

NEXTNOWA

212 course topics
6 training packages

Course Catalogue

IT, Cloud, Cybersecurity, Data & AI

Learning that moves teams into their next practical task.

nextnowa.de · nextnowa.com

The listed entries are topics for an enquiry and are provided for orientation. Prices on request. Dates by arrangement. Content, scope and delivery are agreed individually and confirmed in a personal proposal. No accreditation, certification or availability is promised.

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All courses

IT Fundamentals

IT support & helpdesk · Beginner

Solve problems systematically, document tickets and support users. Find a learning path that fits your goal.

<https://nextnowa.com/en/courses/it-support>

Starting a career in IT · Beginner

Compare career roles, build fundamentals and plan your learning path. Find a learning path that fits your goal.

<https://nextnowa.com/en/courses/career-it>

Retraining in software development · Beginner

Entry requirements, training content and qualification and exam pathway. Find a learning path that fits your goal.

<https://nextnowa.com/en/courses/retraining-development>

Retraining in systems integration · Beginner

Entry requirements, systems and networking and qualification and exam pathway. Find a learning path that fits your goal.

<https://nextnowa.com/en/courses/retraining-systems>

IT entry: systems, software and security · Beginner

IT entry: systems, software and security: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

<https://nextnowa.com/en/courses/comptia-it-fundamentals>

CompTIA A+: IT support and operating systems · Beginner

CompTIA A+: IT support and operating systems: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

<https://nextnowa.com/en/courses/comptia-a-plus-support>

ITIL 5 and IT service management in practice · Beginner

ITIL 5 and IT service management in practice: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

<https://nextnowa.com/en/courses/itil-service-management>

Programming

Practical Python · Beginner

Learn to code through useful tasks: process files, analyse data and automate routine work.

<https://nextnowa.com/en/courses/python>

JavaScript & TypeScript · Beginner

Language fundamentals, browser interaction and type safety. Find a learning path that fits your goal.

<https://nextnowa.com/en/courses/javascript>

Java development · Beginner

Object-oriented programming, data structures and practical applications. Find a learning path that fits your goal.

<https://nextnowa.com/en/courses/java>

Developing extensions for Salesforce applications · Advanced

Developing extensions for Salesforce applications: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

<https://nextnowa.com/en/courses/salesforce-development>

Application development with ABAP · Intermediate

Application development with ABAP: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

<https://nextnowa.com/en/courses/sap-abap-development>

Python for automation and data tasks · Beginner

Python for automation and data tasks: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

<https://nextnowa.com/en/courses/python-programming>

Java applications for enterprise systems · Intermediate

Java applications for enterprise systems: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

<https://nextnowa.com/en/courses/java-enterprise-development>

Type-safe applications with TypeScript · Intermediate

Type-safe applications with TypeScript: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

<https://nextnowa.com/en/courses/typescript-application-design>

Developing applications with .NET · Intermediate

Developing applications with .NET: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

<https://nextnowa.com/en/courses/dotnet-development>

Web Development

React & modern frontends · Intermediate

Design components, manage state and accessible interfaces. Find a learning path that fits your goal.

<https://nextnowa.com/en/courses/react>

Web development from scratch · Beginner

HTML and CSS, interactive pages and publishing. Find a learning path that fits your goal.

<https://nextnowa.com/en/courses/web-development>

UX/UI & product design · Beginner

User needs, build prototypes and test usability. Find a learning path that fits your goal.

<https://nextnowa.com/en/courses/ux-ui>

SEO & digital discovery · Beginner

Search intent, technical fundamentals and helpful content. Find a learning path that fits your goal.

<https://nextnowa.com/en/courses/seo>

Building modern JavaScript applications · Intermediate

Building modern JavaScript applications: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

<https://nextnowa.com/en/courses/javascript-modern>

Software Development

Git & GitHub · Beginner

Version control, branches and reviews and collaboration. Find a learning path that fits your goal.

<https://nextnowa.com/en/courses/git>

Software testing · Intermediate

Test strategy, automation and failure analysis. Find a learning path that fits your goal.

<https://nextnowa.com/en/courses/testing>

Claude Code: controlled use in development teams · Intermediate

A development workshop from clear task specification to a reviewed repository change, focusing on small steps, tests and human approval.

<https://nextnowa.com/en/courses/claude-code-entwickler>

OpenAI API: build reliable applications · Intermediate

A technical introduction to a testable AI application, focusing on interfaces, defined outputs, error handling and controlled resource use.

<https://nextnowa.com/en/courses/openai-api-praxis>

AI agents: safe workflows with tools · Advanced

A development workshop for bounded agent workflows with verifiable tool calls. Exercises separate reading, proposing and approval-sensitive actions.

<https://nextnowa.com/en/courses/ki-agenten-workflows>

AI+ Developer Practitioner™: technical orientation workshop · Advanced

An independent workshop for the AI+ Developer Practitioner™ certification goal. A small data project exposes engineering decisions and individual areas for further study.

<https://nextnowa.com/en/courses/ai-plus-developer-practitioner>

Developing applications for OpenShift · Intermediate

Developing applications for OpenShift: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

<https://nextnowa.com/en/courses/redhat-openshift-development>

Git workflows for distributed teams · Beginner

Git workflows for distributed teams: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

<https://nextnowa.com/en/courses/git-team-workflows>

Secure software development and application testing · Intermediate

Secure software development and application testing: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

<https://nextnowa.com/en/courses/security-application-testing>

Designing, documenting and versioning APIs · Intermediate

Designing, documenting and versioning APIs: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

<https://nextnowa.com/en/courses/api-design>

Planning effective software tests · Beginner

Planning effective software tests: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

<https://nextnowa.com/en/courses/software-testing-foundations>

Web testing with browser automation · Intermediate

Web testing with browser automation: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

<https://nextnowa.com/en/courses/test-automation-web>

Integrating API tests into development workflows · Intermediate

Integrating API tests into development workflows: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

<https://nextnowa.com/en/courses/test-api-automation>

Quality engineering in agile product teams · Advanced

Quality engineering in agile product teams: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

<https://nextnowa.com/en/courses/quality-engineering>

Cloud Computing

Cloud & Azure fundamentals · Beginner

Understand cloud concepts and plan initial applications with cost, identity and security in mind.

<https://nextnowa.com/en/courses/cloud>

Windows Server · Intermediate

Server roles, directory services and operation and maintenance. Find a learning path that fits your goal.

<https://nextnowa.com/en/courses/windows-server>

AZ-104: Microsoft Azure Administrator · Intermediate

Training proposal for AZ-104: manage identities and roles and protect storage and plan access. Includes a proposed practical assignment tailored to your role.

<https://nextnowa.com/en/courses/az-104>

AZ-900: Microsoft Azure Fundamentals · Beginner

Training proposal for AZ-900: understand cloud models and responsibility and organize regions and resources. Includes a proposed practical assignment tailored to your role.

<https://nextnowa.com/en/courses/az-900>

AZ-305: Designing Microsoft Azure Infrastructure Solutions · Advanced

Training proposal for AZ-305: translate business goals into architecture decisions and plan identity, governance and monitoring. Includes a proposed practical assignment tailored to your role.

<https://nextnowa.com/en/courses/az-305>

Serverless applications with AWS · Intermediate

Serverless applications with AWS: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

<https://nextnowa.com/en/courses/aws-serverless>

CompTIA Cloud+: operations and troubleshooting · Intermediate

CompTIA Cloud+: operations and troubleshooting: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

<https://nextnowa.com/en/courses/comptia-cloud-plus>

Governing cloud provisioning with Terraform · Advanced

Governing cloud provisioning with Terraform: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

<https://nextnowa.com/en/courses/terraform-cloud-governance>

Planning and operating virtualization environments · Intermediate

Planning and operating virtualization environments: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

<https://nextnowa.com/en/courses/vmware-virtualization>

Operations and troubleshooting in vSphere environments · Advanced

Operations and troubleshooting in vSphere environments: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

<https://nextnowa.com/en/courses/vmware-vsphere-operations>

Delivering virtual apps and desktops · Intermediate

Delivering virtual apps and desktops: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

<https://nextnowa.com/en/courses/citrix-virtual-apps>

Backup and recovery with Veeam · Intermediate

Backup and recovery with Veeam: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

<https://nextnowa.com/en/courses/veeam-backup-recovery>

DevOps

Docker & containers · Intermediate

Build containers, manage images and deploy applications. Find a learning path that fits your goal.

<https://nextnowa.com/en/courses/docker>

Kubernetes · Advanced

Operate workloads, understand clusters and secure deployments. Find a learning path that fits your goal.

<https://nextnowa.com/en/courses/kubernetes>

DevOps & CI/CD · Advanced

Build pipelines, automated tests and deployment strategies. Find a learning path that fits your goal.

<https://nextnowa.com/en/courses/devops>

AZ-400: Designing and Implementing Microsoft DevOps Solutions · Advanced

Training proposal for AZ-400: structure workflows and repositories and design branching and collaboration. Includes a proposed practical assignment tailored to your role.

<https://nextnowa.com/en/courses/az-400>

Container operations on AWS · Intermediate

Container operations on AWS: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

<https://nextnowa.com/en/courses/aws-containers>

Kubernetes operations with Google Kubernetes Engine · Intermediate

Kubernetes operations with Google Kubernetes Engine: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

<https://nextnowa.com/en/courses/gcp-kubernetes>

CI/CD and reliability on Google Cloud · Intermediate

CI/CD and reliability on Google Cloud: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

<https://nextnowa.com/en/courses/gcp-devops>

Container platform operations with OpenShift · Intermediate

Container platform operations with OpenShift: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

<https://nextnowa.com/en/courses/redhat-openshift-admin>

Automating infrastructure with Ansible · Intermediate

Automating infrastructure with Ansible: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

<https://nextnowa.com/en/courses/redhat-ansible-automation>

Designing reusable Ansible automation · Advanced

Designing reusable Ansible automation: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

<https://nextnowa.com/en/courses/redhat-ansible-advanced>

CKA: administering Kubernetes clusters · Intermediate

CKA: administering Kubernetes clusters: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

<https://nextnowa.com/en/courses/kubernetes-administration>

CKAD: cloud native applications on Kubernetes · Intermediate

CKAD: cloud native applications on Kubernetes: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

<https://nextnowa.com/en/courses/kubernetes-application-development>

Kubernetes platforms for development teams · Advanced

Kubernetes platforms for development teams: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

<https://nextnowa.com/en/courses/kubernetes-platform-engineering>

Infrastructure as code with Terraform · Intermediate

Infrastructure as code with Terraform: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

<https://nextnowa.com/en/courses/terraform-foundations>

Building reusable Terraform modules · Advanced

Building reusable Terraform modules: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

<https://nextnowa.com/en/courses/terraform-modules>

CI/CD pipelines with GitHub Actions · Intermediate

CI/CD pipelines with GitHub Actions: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

<https://nextnowa.com/en/courses/github-actions>

Observability for distributed applications · Intermediate

Observability for distributed applications: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

<https://nextnowa.com/en/courses/devops-observability>

Reliability and incident learning · Advanced

Reliability and incident learning: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

<https://nextnowa.com/en/courses/devops-sre-reliability>

Observability and search with the Elastic Stack · Intermediate

Observability and search with the Elastic Stack: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

<https://nextnowa.com/en/courses/elastic-observability>

CI/CD and secure software delivery with GitLab · Intermediate

CI/CD and secure software delivery with GitLab: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

<https://nextnowa.com/en/courses/gitlab-cicd>

Container workflows and platform operations with Docker · Intermediate

Container workflows and platform operations with Docker: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

<https://nextnowa.com/en/courses/docker-platform-operations>

Cybersecurity

Cybersecurity Essentials · Beginner

Recognise risks, protect access and respond to incidents. Security starts with your team.

<https://nextnowa.com/en/courses/security>

Cloud security · Advanced

Access control, security monitoring and incident response. Find a learning path that fits your goal.

<https://nextnowa.com/en/courses/cloud-security>

Security operations · Intermediate

Analyse logs, prioritise alerts and document incidents. Find a learning path that fits your goal.

<https://nextnowa.com/en/courses/security-operations>

SC-500: Implementing End-to-End Security Controls for Cloud and AI Workloads · Advanced

Training proposal for SC-500: protect privileged access and secrets and secure cloud resources and data. Includes a proposed practical assignment tailored to your role.

<https://nextnowa.com/en/courses/sc-500>

SC-200: Microsoft Security Operations Analyst · Intermediate

Training proposal for SC-200: consolidate security data and plan detection rules. Includes a proposed practical assignment tailored to your role.

<https://nextnowa.com/en/courses/sc-200>

SC-300: Microsoft Identity and Access Administrator · Intermediate

Training proposal for SC-300: organize users and hybrid identities and design authentication and conditional access. Includes a proposed practical assignment tailored to your role.

<https://nextnowa.com/en/courses/sc-300>

SC-100: Microsoft Cybersecurity Architect · Advanced

Training proposal for SC-100: connect business risks and security strategy and translate zero trust into architecture. Includes a proposed practical assignment tailored to your role.

<https://nextnowa.com/en/courses/sc-100>

Security in AWS environments · Advanced

Security in AWS environments: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

<https://nextnowa.com/en/courses/aws-security>

Security operations on Google Cloud · Advanced

Security operations on Google Cloud: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

<https://nextnowa.com/en/courses/gcp-security>

Network security with Cisco technologies · Advanced

Network security with Cisco technologies: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

<https://nextnowa.com/en/courses/cisco-security>

CompTIA Security+: security foundations · Intermediate

CompTIA Security+: security foundations: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

<https://nextnowa.com/en/courses/comptia-security-plus>

CompTIA CySA+: analysis and detection · Advanced

CompTIA CySA+: analysis and detection: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

<https://nextnowa.com/en/courses/comptia-cybersecurity-analyst>

CompTIA PenTest+: testing and reporting · Advanced

CompTIA PenTest+: testing and reporting: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

<https://nextnowa.com/en/courses/comptia-penetration-testing>

CKS: operating Kubernetes workloads securely · Advanced

CKS: operating Kubernetes workloads securely: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

<https://nextnowa.com/en/courses/kubernetes-security>

Security checks in the GitHub development flow · Advanced

Security checks in the GitHub development flow: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

<https://nextnowa.com/en/courses/github-advanced-security>

Cybersecurity for emerging security roles · Beginner

Cybersecurity for emerging security roles: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

<https://nextnowa.com/en/courses/isc2-security-foundations>

Security programs and governance · Advanced

Security programs and governance: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

<https://nextnowa.com/en/courses/isc2-security-management>

IT risk, control and governance · Advanced

IT risk, control and governance: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

<https://nextnowa.com/en/courses/isaca-risk-governance>

Planning IT audits and assessing evidence · Advanced

Planning IT audits and assessing evidence: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

<https://nextnowa.com/en/courses/isaca-audit>

Investigating and coordinating security incidents · Intermediate

Investigating and coordinating security incidents: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

<https://nextnowa.com/en/courses/security-incident-response>

Managing identities and access securely · Intermediate

Managing identities and access securely: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

<https://nextnowa.com/en/courses/security-identity-access>

Cloud security controls and policies · Advanced

Cloud security controls and policies: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

<https://nextnowa.com/en/courses/security-cloud-governance>

Recovery after ransomware incidents · Advanced

Recovery after ransomware incidents: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

<https://nextnowa.com/en/courses/veeam-ransomware-recovery>

Implementing privacy requirements in technology · Intermediate

Implementing privacy requirements in technology: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

<https://nextnowa.com/en/courses/data-privacy-engineering>

Operating Palo Alto firewalls and reviewing policy · Advanced

Operating Palo Alto firewalls and reviewing policy: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

<https://nextnowa.com/en/courses/palo-alto-firewall-operations>

Fortinet network security and operations · Intermediate

Fortinet network security and operations: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

<https://nextnowa.com/en/courses/fortinet-network-security>

Administering Check Point security gateways · Advanced

Administering Check Point security gateways: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

<https://nextnowa.com/en/courses/checkpoint-security-gateway>

Security analytics and detection with Splunk · Advanced

Security analytics and detection with Splunk: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

<https://nextnowa.com/en/courses/splunk-security-analytics>

Identity administration and access policies with Okta · Intermediate

Identity administration and access policies with Okta: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

<https://nextnowa.com/en/courses/okta-identity-administration>

Networking and Infrastructure

Computer networking · Beginner

Network fundamentals, addressing and troubleshoot problems. Find a learning path that fits your goal.

<https://nextnowa.com/en/courses/networking>

AWS network design and connectivity · Advanced

AWS network design and connectivity: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

<https://nextnowa.com/en/courses/aws-networking>

Networking in Google Cloud · Intermediate

Networking in Google Cloud: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

<https://nextnowa.com/en/courses/gcp-networking>

Networking foundations with Cisco technologies · Beginner

Networking foundations with Cisco technologies: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

<https://nextnowa.com/en/courses/cisco-networking-fundamentals>

Cisco CCNA: routing and switching · Intermediate

Cisco CCNA: routing and switching: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

<https://nextnowa.com/en/courses/cisco-routing-switching>

Cisco CCNP Enterprise: modern enterprise networks · Advanced

Cisco CCNP Enterprise: modern enterprise networks: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

<https://nextnowa.com/en/courses/cisco-enterprise-networking>

Planning and operating wireless networks · Intermediate

Planning and operating wireless networks: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

<https://nextnowa.com/en/courses/cisco-wireless>

Enterprise communications and collaboration · Intermediate

Enterprise communications and collaboration: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

<https://nextnowa.com/en/courses/cisco-collaboration>

CompTIA Network+: administration and troubleshooting · Intermediate

CompTIA Network+: administration and troubleshooting: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

<https://nextnowa.com/en/courses/comptia-network-plus>

Application access with Citrix networking · Advanced

Application access with Citrix networking: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

<https://nextnowa.com/en/courses/citrix-networking>

Application delivery and traffic management with F5 · Advanced

Application delivery and traffic management with F5: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

<https://nextnowa.com/en/courses/f5-application-delivery>

Databases

SQL & databases · Beginner

Query data, join tables and aggregate results. Find a learning path that fits your goal.

<https://nextnowa.com/en/courses/sql>

Relational data modelling · Intermediate

Relational data modelling: Define keys, Normalise data, Plan queries. Request advice on a suitable learning option.

<https://nextnowa.com/en/courses/database-design>

Administering Oracle databases · Intermediate

Administering Oracle databases: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

<https://nextnowa.com/en/courses/oracle-database-admin>

Optimizing SQL queries and database performance · Advanced

Optimizing SQL queries and database performance: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

<https://nextnowa.com/en/courses/oracle-sql-performance>

Database services in Oracle Cloud · Intermediate

Database services in Oracle Cloud: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

<https://nextnowa.com/en/courses/oracle-cloud-database>

Administering and monitoring PostgreSQL · Intermediate

Administering and monitoring PostgreSQL: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

<https://nextnowa.com/en/courses/postgresql-admin>

PostgreSQL performance and query plans · Advanced

PostgreSQL performance and query plans: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

<https://nextnowa.com/en/courses/postgresql-performance>

Developing applications with MySQL databases · Intermediate

Developing applications with MySQL databases: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

<https://nextnowa.com/en/courses/mysql-development>

Operating and securing MySQL databases · Intermediate

Operating and securing MySQL databases: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

<https://nextnowa.com/en/courses/mysql-admin>

Modeling document data with MongoDB · Intermediate

Modeling document data with MongoDB: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

<https://nextnowa.com/en/courses/mongodb-data-modeling>

Operating and monitoring MongoDB clusters · Advanced

Operating and monitoring MongoDB clusters: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

<https://nextnowa.com/en/courses/mongodb-operations>

SQL for data analysis and reporting · Beginner

SQL for data analysis and reporting: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

<https://nextnowa.com/en/courses/sql-data-engineering>

Data Science

Power BI: tell the data story · Intermediate

Prepare data and build interactive reports your team can actually understand.

<https://nextnowa.com/en/courses/powerbi>

Data analytics · Beginner

Define analytical questions, check data quality and communicate insights. Find a learning path that fits your goal.

<https://nextnowa.com/en/courses/data-analysis>

Data engineering · Advanced

Data pipelines, data modelling and reliable operations. Find a learning path that fits your goal.

<https://nextnowa.com/en/courses/data-engineering>

Tableau & visualisation · Intermediate

Choose visualisations, build dashboards and present results. Find a learning path that fits your goal.

<https://nextnowa.com/en/courses/tableau>

PL-300: Microsoft Power BI Data Analyst · Intermediate

Training proposal for PL-300: connect and clean data sources and develop semantic models. Includes a proposed practical assignment tailored to your role.

<https://nextnowa.com/en/courses/pl-300>

DP-600: Implementing Analytics Solutions Using Microsoft Fabric · Advanced

Training proposal for DP-600: structure fabric solutions and choose lakehouse and warehouse patterns. Includes a proposed practical assignment tailored to your role.

<https://nextnowa.com/en/courses/dp-600>

Data platforms with AWS · Intermediate

Data platforms with AWS: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

<https://nextnowa.com/en/courses/aws-data-engineering>

Data engineering on Google Cloud · Intermediate

Data engineering on Google Cloud: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

<https://nextnowa.com/en/courses/gcp-data-engineering>

Reporting and planning with SAP Analytics Cloud · Intermediate

Reporting and planning with SAP Analytics Cloud: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

<https://nextnowa.com/en/courses/sap-analytics-cloud>

Lakehouse data platforms with Databricks · Intermediate

Lakehouse data platforms with Databricks: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

<https://nextnowa.com/en/courses/databricks-lakehouse>

Data platforms and analytics with Snowflake · Intermediate

Data platforms and analytics with Snowflake: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

<https://nextnowa.com/en/courses/snowflake-data-cloud>

Artificial Intelligence

AI at work · Beginner

From better prompts to your own workflows. Use AI thoughtfully for research, writing and recurring tasks.

<https://nextnowa.com/en/courses/ai>

AI literacy & governance · Intermediate

Assess risks, define responsibilities and develop approval processes. Find a learning path that fits your goal.

<https://nextnowa.com/en/courses/ai-governance>

Natural language processing · Intermediate

Natural language processing: Prepare text data, Understand embeddings, Measure search quality. Request advice on a suitable learning option.

<https://nextnowa.com/en/courses/natural-language-processing>

Claude at work: documents and decisions · Beginner

A practical day for teams turning documents into traceable summaries, drafts and decision briefs.

<https://nextnowa.com/en/courses/claude-arbeitsalltag>

Claude for higher education: teaching and academic work · Beginner

A university workshop on accountable AI use. Educators develop learning activities and assessment rules while retaining source checks and independent judgement.

<https://nextnowa.com/en/courses/claude-hochschule>

ChatGPT Business: productive team workflows · Beginner

Teams develop reusable workflows for research, drafting and internal communication, with quality checks and a named owner for each use case.

<https://nextnowa.com/en/courses/chatgpt-business-teams>

ChatGPT data analysis: inspect tables and explain findings · Intermediate

A practical workshop on defensible analysis rather than unchecked charts. Participants formulate questions, inspect data and validate results.

<https://nextnowa.com/en/courses/chatgpt-datenanalyse>

Microsoft 365 Copilot: team workshop for everyday work · Beginner

A role-based workshop for documents, meeting preparation and communication, scoped to features actually available in the organisation.

<https://nextnowa.com/en/courses/microsoft-365-copilot-teamworkshop>

AI+ Everyone Fundamentals™: foundations and study planning · Beginner

An independent orientation workshop for the AI+ Everyone Fundamentals™ certification goal. Original exercises help identify knowledge gaps and sensible next study steps.

<https://nextnowa.com/en/courses/ai-plus-everyone-fundamentals>

AI+ Prompting Fundamentals™: practice and study planning · Beginner

An independent workshop for the AI+ Prompting Fundamentals™ certification goal. Participants create original prompt templates and assess results using clear criteria.

<https://nextnowa.com/en/courses/ai-plus-prompting-fundamentals>

Understanding enterprise AI with IBM watsonx · Intermediate

Understanding enterprise AI with IBM watsonx: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

<https://nextnowa.com/en/courses/ibm-watsonx-ai>

AI infrastructure and GPU workloads with NVIDIA · Advanced

AI infrastructure and GPU workloads with NVIDIA: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

<https://nextnowa.com/en/courses/nvidia-ai-infrastructure>

Machine Learning

Machine learning with Python · Advanced

Prepare data, train models and validate results. Find a learning path that fits your goal.

<https://nextnowa.com/en/courses/machine-learning>

Deep learning foundations · Intermediate

Deep learning foundations: Understand neural networks, Recognise overfitting, Compare models. Request advice on a suitable learning option.

<https://nextnowa.com/en/courses/deep-learning>

Computer vision · Advanced

Computer vision: Prepare image data, Evaluate models, Analyse errors. Request advice on a suitable learning option.

<https://nextnowa.com/en/courses/computer-vision>

Machine learning workloads on AWS · Intermediate

Machine learning workloads on AWS: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

<https://nextnowa.com/en/courses/aws-machine-learning>

Generative AI

Microsoft Copilot at work · Beginner

Select use cases, work with documents and critically review outputs. Find a learning path that fits your goal.

<https://nextnowa.com/en/courses/copilot>

Understanding generative AI · Beginner

Understanding generative AI: Understand generative models, Assess use cases, Recognise limitations. Request advice on a suitable learning option.

<https://nextnowa.com/en/courses/generative-ai>

Building language model applications · Intermediate

Building language model applications: Select context, Connect sources, Assess response quality. Request advice on a suitable learning option.

<https://nextnowa.com/en/courses/llm-applications>

Generative AI applications on Google Cloud · Intermediate

Generative AI applications on Google Cloud: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

<https://nextnowa.com/en/courses/gcp-generative-ai>

Prompt Engineering

Brief AI clearly: learning preview · Beginner

Three short reading lessons with exercises on tasks, review criteria and privacy. Free learning preview, not an accredited qualification.

<https://nextnowa.com/en/courses/ai-starter-preview>

Prompt engineering · Beginner

Describe tasks precisely, evaluate answers and build reusable prompts. Find a learning path that fits your goal.

<https://nextnowa.com/en/courses/prompting>

AI Agents

AI & workflow automation · Intermediate

Connect your tools with n8n. Build controlled workflows with AI, approvals and error handling.

<https://nextnowa.com/en/courses/automation>

Designing safer AI agents · Intermediate

Designing safer AI agents: Limit tool access, Design approvals, Evaluate workflows. Request advice on a suitable learning option.

<https://nextnowa.com/en/courses/ai-agents>

MLOps

MLOps: operating models · Intermediate

MLOps: operating models: Version models, Monitor quality, Roll out changes safely. Request advice on a suitable learning option.

<https://nextnowa.com/en/courses/mlops-foundations>

Microsoft Technologies

Excel & data analysis · Beginner

Turn spreadsheets into clear decisions with formulas, pivot tables and reliable analysis.

<https://nextnowa.com/en/courses/excel>

Microsoft 365 for teams · Beginner

Use Teams, SharePoint and OneDrive effectively, with well-organised files and permissions.

<https://nextnowa.com/en/courses/m365>

Advanced Excel · Intermediate

Complex formulas, data preparation and recurring analysis. Find a learning path that fits your goal.

<https://nextnowa.com/en/courses/excel-advanced>

SharePoint & collaboration · Intermediate

Information structure, permissions and document workflows. Find a learning path that fits your goal.

<https://nextnowa.com/en/courses/sharepoint>

Power Apps & Power Automate · Intermediate

Design apps, automate business processes and plan permissions. Find a learning path that fits your goal.

<https://nextnowa.com/en/courses/power-platform>

Work effectively with Teams · Beginner

Structure meetings, collaborate on files and organise channels. Find a learning path that fits your goal.

<https://nextnowa.com/en/courses/teams>

Microsoft Word for professional documents · Beginner

Microsoft Word for professional documents: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

<https://nextnowa.com/en/courses/microsoft-word-business>

Microsoft PowerPoint for clear presentations · Beginner

Microsoft PowerPoint for clear presentations: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

<https://nextnowa.com/en/courses/microsoft-powerpoint-storytelling>

Microsoft Outlook: email, calendar and focus · Beginner

Microsoft Outlook: email, calendar and focus: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

<https://nextnowa.com/en/courses/microsoft-outlook-productivity>

Microsoft OneNote for team knowledge · Beginner

Microsoft OneNote for team knowledge: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

<https://nextnowa.com/en/courses/microsoft-onenote-knowledge>

Microsoft Access: databases for business teams · Intermediate

Microsoft Access: databases for business teams: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

<https://nextnowa.com/en/courses/microsoft-access-databases>

Microsoft Visio for processes and architecture · Beginner

Microsoft Visio for processes and architecture: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

<https://nextnowa.com/en/courses/microsoft-visio-processes>

PowerShell for administration and automation · Intermediate

PowerShell for administration and automation: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

<https://nextnowa.com/en/courses/microsoft-powershell-automation>

Administering and securing Exchange Online · Advanced

Administering and securing Exchange Online: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

<https://nextnowa.com/en/courses/microsoft-exchange-online-admin>

Power Platform: apps, automation and governance · Intermediate

Power Platform: apps, automation and governance: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

<https://nextnowa.com/en/courses/power-platform-functional>

AWS

AWS cloud fundamentals · Beginner

Cloud concepts, core services and cost and security. Find a learning path that fits your goal.

<https://nextnowa.com/en/courses/aws>

AWS cloud architecture · Advanced

Architecture decisions, resilience and scaling and cost optimisation. Find a learning path that fits your goal.

<https://nextnowa.com/en/courses/aws-architecture>

Cloud foundations and cost awareness · Beginner

Cloud foundations and cost awareness: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

<https://nextnowa.com/en/courses/aws-cloud-practitioner>

Solution architecture on AWS · Intermediate

Solution architecture on AWS: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

<https://nextnowa.com/en/courses/aws-solutions-architecture>

Application development on AWS · Intermediate

Application development on AWS: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

<https://nextnowa.com/en/courses/aws-developer>

AWS operations and reliability · Intermediate

AWS operations and reliability: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

<https://nextnowa.com/en/courses/aws-sysops>

Microsoft Azure

Azure administration · Intermediate

Manage resources, organise identities and set up monitoring. Find a learning path that fits your goal.

<https://nextnowa.com/en/courses/azure-admin>

Google Cloud

Google Cloud fundamentals · Beginner

Cloud resources, data services and identities. Find a learning path that fits your goal.

<https://nextnowa.com/en/courses/google-cloud>

Google Cloud foundations · Beginner

Google Cloud foundations: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

<https://nextnowa.com/en/courses/gcp-cloud-foundations>

Cloud architecture with Google Cloud · Intermediate

Cloud architecture with Google Cloud: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

<https://nextnowa.com/en/courses/gcp-cloud-architecture>

Linux

Linux administration · Intermediate

Shell and file system, users and permissions and administer services. Find a learning path that fits your goal.

<https://nextnowa.com/en/courses/linux>

CompTIA Linux+: administration and automation · Intermediate

CompTIA Linux+: administration and automation: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

<https://nextnowa.com/en/courses/comptia-linux-plus>

Linux system administration with Red Hat Enterprise Linux · Intermediate

Linux system administration with Red Hat Enterprise Linux: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

<https://nextnowa.com/en/courses/redhat-linux-admin>

Troubleshooting Linux servers · Advanced

Troubleshooting Linux servers: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

<https://nextnowa.com/en/courses/redhat-linux-troubleshooting>

Shell scripting for system operations · Intermediate

Shell scripting for system operations: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

<https://nextnowa.com/en/courses/linux-shell-scripting>

Securing and hardening Linux systems · Advanced

Securing and hardening Linux systems: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

<https://nextnowa.com/en/courses/linux-security-hardening>

Project Management

IT project management · Intermediate

Project brief, risks and resources and stakeholder communication. Find a learning path that fits your goal.

<https://nextnowa.com/en/courses/project-management>

Project management for technology teams · Intermediate

Project management for technology teams: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

<https://nextnowa.com/en/courses/pmi-project-management>

Project governance with clear roles and stages · Intermediate

Project governance with clear roles and stages: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

<https://nextnowa.com/en/courses/prince2-project-governance>

Agile Methods

Scrum & agile working · Beginner

Scrum roles, planning and reviews and team collaboration. Find a learning path that fits your goal.

<https://nextnowa.com/en/courses/scrum>

Agile project delivery and hybrid approaches · Intermediate

Agile project delivery and hybrid approaches: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

<https://nextnowa.com/en/courses/pmi-agile-delivery>

Scrum collaboration and team facilitation · Beginner

Scrum collaboration and team facilitation: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

<https://nextnowa.com/en/courses/scrum-team-facilitation>

Product ownership and backlog decisions · Intermediate

Product ownership and backlog decisions: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

<https://nextnowa.com/en/courses/scrum-product-ownership>

IT Business Skills

IT service management & ITIL · Beginner

Service thinking, processes and roles and continual improvement. Find a learning path that fits your goal.

<https://nextnowa.com/en/courses/itil>

SAP fundamentals · Beginner

Understand business processes, navigation and data relationships. Find a learning path that fits your goal.

<https://nextnowa.com/en/courses/sap-basics>

SAP Finance · Intermediate

Finance processes, master data and reporting. Find a learning path that fits your goal.

<https://nextnowa.com/en/courses/sap-finance>

Salesforce fundamentals · Beginner

CRM processes, data quality and reports and dashboards. Find a learning path that fits your goal.

<https://nextnowa.com/en/courses/salesforce>

MS-102: Microsoft 365 Administrator · Advanced

Training proposal for MS-102: structure tenants and administrative roles and manage hybrid identities. Includes a proposed practical assignment tailored to your role.

<https://nextnowa.com/en/courses/ms-102>

MD-102: Managing and Securing Microsoft 365 Endpoints by using Intune · Intermediate

Training proposal for MD-102: prepare enrollment and compliance and deploy and configure windows. Includes a proposed practical assignment tailored to your role.

<https://nextnowa.com/en/courses/md-102>

Designing and improving services · Intermediate

Designing and improving services: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

<https://nextnowa.com/en/courses/itil-service-design>

Incident and problem management · Intermediate

Incident and problem management: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

<https://nextnowa.com/en/courses/itil-incident-practices>

Managing digital products and services · Advanced

Managing digital products and services: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

<https://nextnowa.com/en/courses/itil-digital-product>

Eliciting and documenting requirements · Intermediate

Eliciting and documenting requirements: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

<https://nextnowa.com/en/courses/business-analysis-requirements>

Analyzing and improving business processes · Intermediate

Analyzing and improving business processes: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

<https://nextnowa.com/en/courses/business-analysis-process>

Configuring and administering the ServiceNow platform · Intermediate

Configuring and administering the ServiceNow platform: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

<https://nextnowa.com/en/courses/servicenow-platform-admin>

Designing digital workflows with ServiceNow · Intermediate

Designing digital workflows with ServiceNow: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

<https://nextnowa.com/en/courses/servicenow-workflows>

Managing Salesforce data and business processes · Intermediate

Managing Salesforce data and business processes: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

<https://nextnowa.com/en/courses/salesforce-admin>

Understanding business processes in SAP S/4HANA · Beginner

Understanding business processes in SAP S/4HANA: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

<https://nextnowa.com/en/courses/sap-s4hana-overview>

Dynamics 365 Business Central: processes and configuration · Intermediate

Dynamics 365 Business Central: processes and configuration: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

<https://nextnowa.com/en/courses/dynamics-business-central>

Dynamics 365 Sales for sales processes · Intermediate

Dynamics 365 Sales for sales processes: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

<https://nextnowa.com/en/courses/dynamics-sales>

Jira and Confluence for transparent teamwork · Beginner

Jira and Confluence for transparent teamwork: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

<https://nextnowa.com/en/courses/atlassian-jira-confluence>

Course details

AZ-104: Microsoft Azure Administrator

Training proposal for AZ-104: manage identities and roles and protect storage and plan access. Includes a proposed practical assignment tailored to your role.

Audience

Azure administrators

Prerequisites

Networking, operating systems and Azure basics

Duration

Suggested format: 3–5 training days, optionally split into sessions. Scope depends on prior experience.

Agenda

- Manage identities and roles
- Protect storage and plan access
- Deploy virtual machines and applications
- Connect and secure networks
- Practice monitoring, backup and recovery

Learning outcome

Original exercise proposal: create a solution for a fictional company focused on manage identities and roles, document decisions and review them against agreed criteria.

[az-104](#)

SC-500: Implementing End-to-End Security Controls for Cloud and AI Workloads

Training proposal for SC-500: protect privileged access and secrets and secure cloud resources and data. Includes a proposed practical assignment tailored to your role.

Audience

Cloud security teams

Prerequisites

Azure operations, Entra ID and network security

Duration

Suggested format: 3–5 training days, optionally split into sessions. Scope depends on prior experience.

Agenda

- Protect privileged access and secrets
- Secure cloud resources and data
- Design safeguards for AI applications
- Investigate exposure with Defender for Cloud
- Analyze security events with Sentinel

Learning outcome

Original exercise proposal: create a solution for a fictional company focused on protect privileged access and secrets, document decisions and review them against agreed criteria.

sc-500

AZ-900: Microsoft Azure Fundamentals

Training proposal for AZ-900: understand cloud models and responsibility and organize regions and resources. Includes a proposed practical assignment tailored to your role.

Audience

Cloud newcomers and business teams

Prerequisites

General IT literacy

Duration

Suggested format: 1–2 training days, optionally split into sessions. Scope depends on prior experience.

Agenda

- Understand cloud models and responsibility
- Organize regions and resources
- Compare compute, networking and storage
- Understand costs and governance

Learning outcome

Original exercise proposal: create a solution for a fictional company focused on understand cloud models and responsibility, document decisions and review them against agreed criteria.

az-900

AZ-305: Designing Microsoft Azure Infrastructure Solutions

Training proposal for AZ-305: translate business goals into architecture decisions and plan identity, governance and monitoring. Includes a proposed practical assignment tailored to your role.

Audience

Architects and experienced administrators

Prerequisites

Hands-on Azure administration

Duration

Suggested format: 3–5 training days, optionally split into sessions. Scope depends on prior experience.

Agenda

- Translate business goals into architecture decisions
- Plan identity, governance and monitoring
- Select data and storage architectures
- Design availability and recovery
- Justify networking and migration choices

Learning outcome

Original exercise proposal: create a solution for a fictional company focused on translate business goals into architecture decisions, document decisions and review them against agreed criteria.

az-305

AZ-400: Designing and Implementing Microsoft DevOps Solutions

Training proposal for AZ-400: structure workflows and repositories and design branching and collaboration. Includes a proposed practical assignment tailored to your role.

Audience

Developers and DevOps teams

Prerequisites

Azure, Git and software delivery

Duration

Suggested format: 3–5 training days, optionally split into sessions. Scope depends on prior experience.

Agenda

- Structure workflows and repositories
- Design branching and collaboration
- Automate builds, tests and releases
- Integrate secrets and security checks
- Use telemetry for improvement

Learning outcome

Original exercise proposal: create a solution for a fictional company focused on structure workflows and repositories, document decisions and review them against agreed criteria.

az-400

SC-200: Microsoft Security Operations Analyst

Training proposal for SC-200: consolidate security data and plan detection rules. Includes a proposed practical assignment tailored to your role.

Audience

SOC and incident response teams

Prerequisites

Azure, Microsoft 365 and security fundamentals

Duration

Suggested format: 3–5 training days, optionally split into sessions. Scope depends on prior experience.

Agenda

- Consolidate security data
- Plan detection rules
- Triage alerts and investigate incidents
- Analyze evidence with KQL
- Prepare and document responses

Learning outcome

Original exercise proposal: create a solution for a fictional company focused on consolidate security data, document decisions and review them against agreed criteria.

sc-200

SC-300: Microsoft Identity and Access Administrator

Training proposal for SC-300: organize users and hybrid identities and design authentication and conditional access. Includes a proposed practical assignment tailored to your role.

Audience

Identity administrators

Prerequisites

Entra ID, Microsoft 365 and directory services

Duration

Suggested format: 3–5 training days, optionally split into sessions. Scope depends on prior experience.

Agenda

- Organize users and hybrid identities
- Design authentication and conditional access
- Connect applications and workload identities
- Control privileges and permissions
- Investigate access issues

Learning outcome

Original exercise proposal: create a solution for a fictional company focused on organize users and hybrid identities, document decisions and review them against agreed criteria.

sc-300

SC-100: Microsoft Cybersecurity Architect

Training proposal for SC-100: connect business risks and security strategy and translate zero trust into architecture. Includes a proposed practical assignment tailored to your role.

Audience

Security architects

Prerequisites

Advanced security experience in cloud and hybrid environments

Duration

Suggested format: 3–5 training days, optionally split into sessions. Scope depends on prior experience.

Agenda

- Connect business risks and security strategy
- Translate Zero Trust into architecture
- Connect identity and security operations
- Protect hybrid infrastructure
- Assess applications, data and AI

Learning outcome

Original exercise proposal: create a solution for a fictional company focused on connect business risks and security strategy, document decisions and review them against agreed criteria.

sc-100

PL-300: Microsoft Power BI Data Analyst

Training proposal for PL-300: connect and clean data sources and develop semantic models. Includes a proposed practical assignment tailored to your role.

Audience

Data analysts and finance teams

Prerequisites

Tabular data and analysis fundamentals

Duration

Suggested format: 3–5 training days, optionally split into sessions. Scope depends on prior experience.

Agenda

- Connect and clean data sources
- Develop semantic models
- Calculate measures with DAX
- Design reports for decisions
- Publish content securely

Learning outcome

Original exercise proposal: create a solution for a fictional company focused on connect and clean data sources, document decisions and review them against agreed criteria.

pl-300

DP-600: Implementing Analytics Solutions Using Microsoft Fabric

Training proposal for DP-600: structure fabric solutions and choose lakehouse and warehouse patterns. Includes a proposed practical assignment tailored to your role.

Audience

Analytics engineers and BI teams

Prerequisites

SQL, data modelling and analytics experience

Duration

Suggested format: 3–5 training days, optionally split into sessions. Scope depends on prior experience.

Agenda

- Structure Fabric solutions
- Choose lakehouse and warehouse patterns
- Prepare and query data
- Optimize semantic models
- Organize access and deployment

Learning outcome

Original exercise proposal: create a solution for a fictional company focused on structure fabric solutions, document decisions and review them against agreed criteria.

dp-600

MS-102: Microsoft 365 Administrator

Training proposal for MS-102: structure tenants and administrative roles and manage hybrid identities. Includes a proposed practical assignment tailored to your role.

Audience

Microsoft 365 administrators

Prerequisites

Microsoft 365, Entra ID, DNS and PowerShell

Duration

Suggested format: 3–5 training days, optionally split into sessions. Scope depends on prior experience.

Agenda

- Structure tenants and administrative roles
- Manage hybrid identities
- Implement secure access
- Handle threats with Defender XDR
- Plan data policies with Purview

Learning outcome

Original exercise proposal: create a solution for a fictional company focused on structure tenants and administrative roles, document decisions and review them against agreed criteria.

ms-102

MD-102: Managing and Securing Microsoft 365 Endpoints by using Intune

Training proposal for MD-102: prepare enrollment and compliance and deploy and configure windows. Includes a proposed practical assignment tailored to your role.

Audience

Endpoint and workplace administrators

Prerequisites

Microsoft 365, Entra ID and device administration

Duration

Suggested format: 3–5 training days, optionally split into sessions. Scope depends on prior experience.

Agenda

- Prepare enrollment and compliance
- Deploy and configure Windows
- Distribute applications and protect data
- Manage updates and device security
- Improve operations through reporting and remote actions

Learning outcome

Original exercise proposal: create a solution for a fictional company focused on prepare enrollment and compliance, document decisions and review them against agreed criteria.

[md-102](#)

Claude at work: documents and decisions

A practical day for teams turning documents into traceable summaries, drafts and decision briefs.

Audience

Business teams, executive assistants and project coordinators.

Prerequisites

Confidence with browsers and documents; an approved Claude account is agreed beforehand.

Duration

Suggested format: 1 day with a follow-up task. Scope and dates by agreement.

Agenda

- Clarify requests: turn an ambiguous request into a task, an output format and measurable review criteria.
- Review documents: separate a fictional project file into statements, evidence and open questions, keeping missing information visible.
- Revise drafts: develop a decision brief and check figures, tone and assumptions before sharing it.
- Establish a team routine: assign owners, input boundaries and a short approval checklist to reusable templates.

Learning outcome

Create a one-page decision brief from a fictional supplier file, including evidence references and unanswered questions.

[claude-arbeitsalltag](#)

Claude Code: controlled use in development teams

A development workshop from clear task specification to a reviewed repository change, focusing on small steps, tests and human approval.

Audience

Software developers, engineering leads and quality assurance teams.

Prerequisites

Programming, Git and automated testing experience; approved development environment and Claude Code access by agreement.

Duration

Suggested format: 2 days using a practice repository. Scope and dates by agreement.

Agenda

- Understand a repository: document entry points, test commands and sensitive areas of a sample application.
- Constrain tasks: split a change into verifiable milestones with explicit rules for files, tools and approvals.
- Review changes: inspect diffs, add meaningful tests and look for unintended side effects.
- Design the team process: connect review, rollback and documentation in a pilot workflow that makes effort and errors observable.

Learning outcome

Add a small search feature to a practice project, test failure cases and prepare a traceable review.

[claude-code-entwickler](#)

Claude for higher education: teaching and academic work

A university workshop on accountable AI use. Educators develop learning activities and assessment rules while retaining source checks and independent judgement.

Audience

Educators, teaching support teams, libraries and programme coordinators.

Prerequisites

Experience in higher education; institutional policies and approved accounts are clarified before the workshop.

Duration

Suggested format: 1 day plus an optional peer review session. Scope and dates by agreement.

Agenda

- Align learning goals: distinguish useful assistance from tasks students must demonstrate independently.
- Design learning activities: create graduated hints, questions and transparent AI-use boundaries for a fictional seminar.
- Read sources critically: compare a deliberately flawed literature summary with supplied original extracts.
- Make assessment transparent: connect disclosure, documentation and traceable assessment criteria in a short assignment policy.

Learning outcome

Design a seminar assignment with AI-use rules, reflection questions and an assessment rubric.

[claude-hochschule](#)

ChatGPT Business: productive team workflows

Teams develop reusable workflows for research, drafting and internal communication, with quality checks and a named owner for each use case.

Audience

Business teams, operational managers and internal champions.

Prerequisites

Basic digital skills; suitable approved ChatGPT access by agreement. Licences are not included.

Duration

Suggested format: 1 day or 2 half-day sessions. Scope and dates by agreement.

Agenda

- Select use cases: prioritise recurring tasks by effort, consequences of errors and available inputs.
- Build task instructions: connect purpose, context, sources and output format in a template with clear stopping criteria.
- Assess results: compare drafts using a team-defined rubric and document remaining uncertainty.
- Plan adoption: define owners, feedback loops and simple measurement for a two-week pilot without productivity promises.

Learning outcome

Create a response template and review checklist for a fictional service team and test difficult cases.

[chatgpt-business-teams](#)

ChatGPT data analysis: inspect tables and explain findings

A practical workshop on defensible analysis rather than unchecked charts. Participants formulate questions, inspect data and validate results.

Audience

Controlling, operations, marketing analytics and project reporting teams.

Prerequisites

Spreadsheet skills and basic metric literacy; suitable ChatGPT data-analysis access by agreement.

Duration

Suggested format: 1 day using synthetic data. Scope and dates by agreement.

Agenda

- Sharpen the question: turn a management request into a metric, comparison group and testable expectation.
- Inspect data quality: look for missing fields, duplicated rows and inconsistent units before interpretation.
- Validate analysis: independently recalculate totals and sample values; label charts and state their limitations.
- Communicate findings: separate observations, possible explanations and untested actions in a management note.

Learning outcome

Clean a fictional order dataset, validate three metrics and write a report with clear limitations.

[chatgpt-datenanalyse](#)

OpenAI API: build reliable applications

A technical introduction to a testable AI application, focusing on interfaces, defined outputs, error handling and controlled resource use.

Audience

Software developers and technical product teams.

Prerequisites

Python or TypeScript, HTTP and JSON; API access and an explicitly agreed test budget required and not included.

Duration

Suggested format: 2 days with a small application project. Scope and dates by agreement.

Agenda

- Scope the application: define input rules, expected outputs and a fallback for questions that cannot be answered.
- Connect the API: separate configuration, secrets and request handling, then verify a small test request.
- Handle failures: test timeouts, invalid responses and retries through deliberately disrupted workflows.
- Measure quality: evaluate suitability, latency and resource use with a custom example set before a controlled pilot.

Learning outcome

Build an assistant for fictional product information with structured results and at least five failure-case tests.

[openai-api-praxis](#)

AI agents: safe workflows with tools

A development workshop for bounded agent workflows with verifiable tool calls. Exercises separate reading, proposing and approval-sensitive actions.

Audience

Development, automation and technical architecture teams.

Prerequisites

Confident programming and API experience; approved test environment and agreed API costs arranged separately.

Duration

Suggested format: 2 days with a technical preparation task. Scope and dates by agreement.

Agenda

- Model the workflow: break a task into states and allowed transitions with explicit autonomy boundaries.
- Constrain tools: give small interfaces input validation, minimal permissions and traceable outputs.
- Simulate risks: use manipulated documents and faulty tool responses to test whether the workflow stops prohibited actions.
- Prepare operation: practise logging, approvals, cancellation and resumption in a bounded pilot scenario.

Learning outcome

Build an agent that proposes a meeting from a fictional request but only prepares a booking after explicit approval.

[ki-agenten-workflows](#)

Microsoft 365 Copilot: team workshop for everyday work

A role-based workshop for documents, meeting preparation and communication, scoped to features actually available in the organisation.

Audience

Office teams, assistants, project leads and internal champions.

Prerequisites

Basic Microsoft 365 skills; existing permissions and required licences are checked beforehand and are not supplied.

Duration

Suggested format: 1 day with agreed team scenarios. Scope and dates by agreement.

Agenda

- Check the environment: verify available features, information access and permitted practice data before hands-on work.
- Create briefs: turn a fictional project description into a clear request and a verifiable document structure.
- Refine outputs: review completeness, source support and wording, then make manual improvements.
- Sustain use: create a small task library with owners and examples of situations where AI should not be used.

Learning outcome

Develop a project brief, meeting agenda and outcome note from supplied sample documents.

[microsoft-365-copilot-teamworkshop](#)

AI+ Everyone Fundamentals™: foundations and study planning

An independent orientation workshop for the AI+ Everyone Fundamentals™ certification goal. Original exercises help identify knowledge gaps and sensible next study steps.

Audience

AI beginners in business teams and career changers.

Prerequisites

Basic digital skills; official eligibility and exam language must be checked separately with the exam provider.

Duration

Suggested format: 1 orientation day plus an individual study plan. Scope and dates by agreement.

Agenda

- Organise concepts: distinguish predictions, rules and generated answers using original examples.
- Evaluate applications: identify suitable tasks and cases requiring careful review for a fictional office.
- Clarify responsibility: assign data approval, output review and escalation to specific roles in a group exercise.
- Plan study: use an original knowledge check to create an individual plan and verify binding exam details at the vendor source.

Learning outcome

Create an AI use-case brief for a fictional company, including a benefit hypothesis, limitations and human review.

[ai-plus-everyone-fundamentals](#)

AI+ Prompting Fundamentals™: practice and study planning

An independent workshop for the AI+ Prompting Fundamentals™ certification goal. Participants create original prompt templates and assess results using clear criteria.

Audience

Knowledge workers, communications teams and business teams with initial AI experience.

Prerequisites

Basic digital skills and agreed AI access; verify vendor prerequisites and exam terms separately.

Duration

Suggested format: 1 practical day plus independent follow-up study. Scope and dates by agreement.

Agenda

- Break down tasks: describe the goal, available evidence and desired response structure for a fictional customer request.
- Compare variants: systematically test small instruction changes without generalising from individual successful outputs.
- Assure quality: use an original rubric to assess accuracy, completeness and visible uncertainty.
- Plan further study: use personal test cases and a learning journal to guide preparation and separate exam arrangements.

Learning outcome

Develop a prompt template for conflicting project requirements and assess it against six original test cases.

[ai-plus-prompting-fundamentals](#)

AI+ Developer Practitioner™: technical orientation workshop

An independent workshop for the AI+ Developer Practitioner™ certification goal. A small data project exposes engineering decisions and individual areas for further study.

Audience

Developers with Python experience and an interest in AI applications.

Prerequisites

Python, data processing and mathematical foundations; official prerequisites and exam access require separate confirmation.

Duration

Suggested format: 3 project days plus individual follow-up study. Scope and dates by agreement.

Agenda

- Operationalise a problem: define a measurable target and explicit data limitations for a fictional maintenance case.
- Develop a data pipeline: build testable processing steps and clearly separate training and evaluation data.
- Challenge results: compare against a simple baseline and examine errors by their practical consequences.
- Prioritise learning needs: document decisions, unresolved questions and next independent study steps in a project report.

Learning outcome

Build a small analysis prototype using synthetic maintenance data and defend its limitations in a technical review.

[ai-plus-developer-practitioner](#)

Cloud foundations and cost awareness

Cloud foundations and cost awareness: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

Audience

Cloud, infrastructure and platform teams, plus technical decision makers working with the topic.

Prerequisites

No formal prerequisite. Basic computer skills and an interest in the subject are helpful.

Duration

Indicative range: 2 to 4 learning days, depending on prior experience, desired depth and practical scope. Duration is set only after discussing requirements.

Agenda

- Frame requirements, the responsibility model and target architecture: Cloud foundations and cost awareness
- Plan identity, networking and core services: Cloud foundations and cost awareness
- Configure resources for a realistic scenario: Cloud foundations and cost awareness
- Assess operations, cost, security and resilience: Cloud foundations and cost awareness
- Document the architecture decision and next implementation steps: Cloud foundations and cost awareness

Learning outcome

Practical exercise: analyze a bounded scenario in "Cloud foundations and cost awareness", implement or outline a suitable approach, and document decisions and limitations.

[aws-cloud-practitioner](#)

Solution architecture on AWS

Solution architecture on AWS: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

Audience

Cloud, infrastructure and platform teams, plus technical decision makers working with the topic.

Prerequisites

Foundational IT knowledge and some practical exposure to the subject. Specific prerequisites depend on the learning goal.

Duration

Indicative range: 2 to 4 learning days, depending on prior experience, desired depth and practical scope. Duration is set only after discussing requirements.

Agenda

- Frame requirements, the responsibility model and target architecture: Solution architecture on AWS
- Plan identity, networking and core services: Solution architecture on AWS
- Configure resources for a realistic scenario: Solution architecture on AWS
- Assess operations, cost, security and resilience: Solution architecture on AWS
- Document the architecture decision and next implementation steps: Solution architecture on AWS

Learning outcome

Practical exercise: analyze a bounded scenario in “Solution architecture on AWS”, implement or outline a suitable approach, and document decisions and limitations.

[aws-solutions-architecture](#)

Application development on AWS

Application development on AWS: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

Audience

Cloud, infrastructure and platform teams, plus technical decision makers working with the topic.

Prerequisites

Foundational IT knowledge and some practical exposure to the subject. Specific prerequisites depend on the learning goal.

Duration

Indicative range: 2 to 4 learning days, depending on prior experience, desired depth and practical scope. Duration is set only after discussing requirements.

Agenda

- Frame requirements, the responsibility model and target architecture: Application development on AWS
- Plan identity, networking and core services: Application development on AWS
- Configure resources for a realistic scenario: Application development on AWS
- Assess operations, cost, security and resilience: Application development on AWS
- Document the architecture decision and next implementation steps: Application development on AWS

Learning outcome

Practical exercise: analyze a bounded scenario in “Application development on AWS”, implement or outline a suitable approach, and document decisions and limitations.

[aws-developer](#)

AWS operations and reliability

AWS operations and reliability: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

Audience

Cloud, infrastructure and platform teams, plus technical decision makers working with the topic.

Prerequisites

Foundational IT knowledge and some practical exposure to the subject. Specific prerequisites depend on the learning goal.

Duration

Indicative range: 2 to 4 learning days, depending on prior experience, desired depth and practical scope. Duration is set only after discussing requirements.

Agenda

- Frame requirements, the responsibility model and target architecture: AWS operations and reliability
- Plan identity, networking and core services: AWS operations and reliability
- Configure resources for a realistic scenario: AWS operations and reliability
- Assess operations, cost, security and resilience: AWS operations and reliability
- Document the architecture decision and next implementation steps: AWS operations and reliability

Learning outcome

Practical exercise: analyze a bounded scenario in “AWS operations and reliability”, implement or outline a suitable approach, and document decisions and limitations.

[aws-sysops](#)

Security in AWS environments

Security in AWS environments: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

Audience

Security, operations and infrastructure teams, plus people responsible for risk, compliance or secure development.

Prerequisites

Foundational IT knowledge and some practical exposure to the subject. Specific prerequisites depend on the learning goal.

Duration

Indicative range: 2 to 4 learning days, depending on prior experience, desired depth and practical scope. Duration is set only after discussing requirements.

Agenda

- Identify protection needs, attack surfaces and relevant threats: Security in AWS environments
- Structure identity, data and technical controls: Security in AWS environments
- Apply controls in a bounded scenario: Security in AWS environments
- Work through detection, response and evidence collection: Security in AWS environments
- Prioritise risks and formulate an actionable improvement plan: Security in AWS environments

Learning outcome

Practical exercise: analyze a bounded scenario in "Security in AWS environments", implement or outline a suitable approach, and document decisions and limitations.

[aws-security](#)

Data platforms with AWS

Data platforms with AWS: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

Audience

Data, analytics, development and operations teams working with data products or databases.

Prerequisites

Foundational IT knowledge and some practical exposure to the subject. Specific prerequisites depend on the learning goal.

Duration

Indicative range: 2 to 4 learning days, depending on prior experience, desired depth and practical scope. Duration is set only after discussing requirements.

Agenda

- Define the data question, sources and quality criteria: Data platforms with AWS
- Design the data model, storage and access patterns: Data platforms with AWS
- Prepare, query or process the data: Data platforms with AWS
- Validate quality, performance, security and traceability: Data platforms with AWS
- Explain the result and document a repeatable workflow: Data platforms with AWS

Learning outcome

Practical exercise: analyze a bounded scenario in “Data platforms with AWS”, implement or outline a suitable approach, and document decisions and limitations.

[aws-data-engineering](#)

AWS network design and connectivity

AWS network design and connectivity: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

Audience

Networking, infrastructure and support teams that plan, operate or troubleshoot connectivity.

Prerequisites

Foundational IT knowledge and some practical exposure to the subject. Specific prerequisites depend on the learning goal.

Duration

Indicative range: 2 to 4 learning days, depending on prior experience, desired depth and practical scope. Duration is set only after discussing requirements.

Agenda

- Frame the network protocols, topology and requirements: AWS network design and connectivity
- Design addressing, segmentation and traffic paths: AWS network design and connectivity
- Configure devices or services for the lab scenario: AWS network design and connectivity
- Validate connectivity, performance and security boundaries: AWS network design and connectivity
- Troubleshoot systematically and document operational knowledge: AWS network design and connectivity

Learning outcome

Practical exercise: analyze a bounded scenario in “AWS network design and connectivity”, implement or outline a suitable approach, and document decisions and limitations.

[aws-networking](#)

Container operations on AWS

Container operations on AWS: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

Audience

Development, platform and operations teams automating software delivery and infrastructure together.

Prerequisites

Foundational IT knowledge and some practical exposure to the subject. Specific prerequisites depend on the learning goal.

Duration

Indicative range: 2 to 4 learning days, depending on prior experience, desired depth and practical scope. Duration is set only after discussing requirements.

Agenda

- Clarify the delivery flow, platform boundaries and automation goals: Container operations on AWS
- Structure repositories, configuration and reusable building blocks: Container operations on AWS
- Automate build, test or deployment steps: Container operations on AWS
- Integrate observability, security and failure handling: Container operations on AWS
- Measure, improve and document the workflow for the team: Container operations on AWS

Learning outcome

Practical exercise: analyze a bounded scenario in “Container operations on AWS”, implement or outline a suitable approach, and document decisions and limitations.

[aws-containers](#)

Serverless applications with AWS

Serverless applications with AWS: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

Audience

Cloud, infrastructure and platform teams, plus technical decision makers working with the topic.

Prerequisites

Foundational IT knowledge and some practical exposure to the subject. Specific prerequisites depend on the learning goal.

Duration

Indicative range: 2 to 4 learning days, depending on prior experience, desired depth and practical scope. Duration is set only after discussing requirements.

Agenda

- Frame requirements, the responsibility model and target architecture: Serverless applications with AWS
- Plan identity, networking and core services: Serverless applications with AWS
- Configure resources for a realistic scenario: Serverless applications with AWS
- Assess operations, cost, security and resilience: Serverless applications with AWS
- Document the architecture decision and next implementation steps: Serverless applications with AWS

Learning outcome

Practical exercise: analyze a bounded scenario in “Serverless applications with AWS”, implement or outline a suitable approach, and document decisions and limitations.

[aws-serverless](#)

Machine learning workloads on AWS

Machine learning workloads on AWS: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

Audience

Data, analytics, development and operations teams working with data products or databases.

Prerequisites

Foundational IT knowledge and some practical exposure to the subject. Specific prerequisites depend on the learning goal.

Duration

Indicative range: 2 to 4 learning days, depending on prior experience, desired depth and practical scope. Duration is set only after discussing requirements.

Agenda

- Define the data question, sources and quality criteria: Machine learning workloads on AWS
- Design the data model, storage and access patterns: Machine learning workloads on AWS
- Prepare, query or process the data: Machine learning workloads on AWS
- Validate quality, performance, security and traceability: Machine learning workloads on AWS
- Explain the result and document a repeatable workflow: Machine learning workloads on AWS

Learning outcome

Practical exercise: analyze a bounded scenario in “Machine learning workloads on AWS”, implement or outline a suitable approach, and document decisions and limitations.

[aws-machine-learning](#)

Google Cloud foundations

Google Cloud foundations: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

Audience

Cloud, infrastructure and platform teams, plus technical decision makers working with the topic.

Prerequisites

No formal prerequisite. Basic computer skills and an interest in the subject are helpful.

Duration

Indicative range: 2 to 4 learning days, depending on prior experience, desired depth and practical scope. Duration is set only after discussing requirements.

Agenda

- Frame requirements, the responsibility model and target architecture: Google Cloud foundations
- Plan identity, networking and core services: Google Cloud foundations
- Configure resources for a realistic scenario: Google Cloud foundations
- Assess operations, cost, security and resilience: Google Cloud foundations
- Document the architecture decision and next implementation steps: Google Cloud foundations

Learning outcome

Practical exercise: analyze a bounded scenario in “Google Cloud foundations”, implement or outline a suitable approach, and document decisions and limitations.

[gcp-cloud-foundations](#)

Cloud architecture with Google Cloud

Cloud architecture with Google Cloud: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

Audience

Cloud, infrastructure and platform teams, plus technical decision makers working with the topic.

Prerequisites

Foundational IT knowledge and some practical exposure to the subject. Specific prerequisites depend on the learning goal.

Duration

Indicative range: 2 to 4 learning days, depending on prior experience, desired depth and practical scope. Duration is set only after discussing requirements.

Agenda

- Frame requirements, the responsibility model and target architecture: Cloud architecture with Google Cloud
- Plan identity, networking and core services: Cloud architecture with Google Cloud
- Configure resources for a realistic scenario: Cloud architecture with Google Cloud
- Assess operations, cost, security and resilience: Cloud architecture with Google Cloud
- Document the architecture decision and next implementation steps: Cloud architecture with Google Cloud

Learning outcome

Practical exercise: analyze a bounded scenario in “Cloud architecture with Google Cloud”, implement or outline a suitable approach, and document decisions and limitations.

[gcp-cloud-architecture](#)

Data engineering on Google Cloud

Data engineering on Google Cloud: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

Audience

Data, analytics, development and operations teams working with data products or databases.

Prerequisites

Foundational IT knowledge and some practical exposure to the subject. Specific prerequisites depend on the learning goal.

Duration

Indicative range: 2 to 4 learning days, depending on prior experience, desired depth and practical scope. Duration is set only after discussing requirements.

Agenda

- Define the data question, sources and quality criteria: Data engineering on Google Cloud
- Design the data model, storage and access patterns: Data engineering on Google Cloud
- Prepare, query or process the data: Data engineering on Google Cloud
- Validate quality, performance, security and traceability: Data engineering on Google Cloud
- Explain the result and document a repeatable workflow: Data engineering on Google Cloud

Learning outcome

Practical exercise: analyze a bounded scenario in "Data engineering on Google Cloud", implement or outline a suitable approach, and document decisions and limitations.

[gcp-data-engineering](#)

Kubernetes operations with Google Kubernetes Engine

Kubernetes operations with Google Kubernetes Engine: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

Audience

Development, platform and operations teams automating software delivery and infrastructure together.

Prerequisites

Foundational IT knowledge and some practical exposure to the subject. Specific prerequisites depend on the learning goal.

Duration

Indicative range: 2 to 4 learning days, depending on prior experience, desired depth and practical scope. Duration is set only after discussing requirements.

Agenda

- Clarify the delivery flow, platform boundaries and automation goals: Kubernetes operations with Google Kubernetes Engine
- Structure repositories, configuration and reusable building blocks: Kubernetes operations with Google Kubernetes Engine
- Automate build, test or deployment steps: Kubernetes operations with Google Kubernetes Engine
- Integrate observability, security and failure handling: Kubernetes operations with Google Kubernetes Engine
- Measure, improve and document the workflow for the team: Kubernetes operations with Google Kubernetes Engine

Learning outcome

Practical exercise: analyze a bounded scenario in “Kubernetes operations with Google Kubernetes Engine”, implement or outline a suitable approach, and document decisions and limitations.

[gcp-kubernetes](#)

Security operations on Google Cloud

Security operations on Google Cloud: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

Audience

Security, operations and infrastructure teams, plus people responsible for risk, compliance or secure development.

Prerequisites

Foundational IT knowledge and some practical exposure to the subject. Specific prerequisites depend on the learning goal.

Duration

Indicative range: 2 to 4 learning days, depending on prior experience, desired depth and practical scope. Duration is set only after discussing requirements.

Agenda

- Identify protection needs, attack surfaces and relevant threats: Security operations on Google Cloud
- Structure identity, data and technical controls: Security operations on Google Cloud
- Apply controls in a bounded scenario: Security operations on Google Cloud
- Work through detection, response and evidence collection: Security operations on Google Cloud
- Prioritise risks and formulate an actionable improvement plan: Security operations on Google Cloud

Learning outcome

Practical exercise: analyze a bounded scenario in "Security operations on Google Cloud", implement or outline a suitable approach, and document decisions and limitations.

[gcp-security](#)

Networking in Google Cloud

Networking in Google Cloud: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

Audience

Networking, infrastructure and support teams that plan, operate or troubleshoot connectivity.

Prerequisites

Foundational IT knowledge and some practical exposure to the subject. Specific prerequisites depend on the learning goal.

Duration

Indicative range: 2 to 4 learning days, depending on prior experience, desired depth and practical scope. Duration is set only after discussing requirements.

Agenda

- Frame the network protocols, topology and requirements: Networking in Google Cloud
- Design addressing, segmentation and traffic paths: Networking in Google Cloud
- Configure devices or services for the lab scenario: Networking in Google Cloud
- Validate connectivity, performance and security boundaries: Networking in Google Cloud
- Troubleshoot systematically and document operational knowledge: Networking in Google Cloud

Learning outcome

Practical exercise: analyze a bounded scenario in “Networking in Google Cloud”, implement or outline a suitable approach, and document decisions and limitations.

[gcp-networking](#)

CI/CD and reliability on Google Cloud

CI/CD and reliability on Google Cloud: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

Audience

Development, platform and operations teams automating software delivery and infrastructure together.

Prerequisites

Foundational IT knowledge and some practical exposure to the subject. Specific prerequisites depend on the learning goal.

Duration

Indicative range: 2 to 4 learning days, depending on prior experience, desired depth and practical scope. Duration is set only after discussing requirements.

Agenda

- Clarify the delivery flow, platform boundaries and automation goals: CI/CD and reliability on Google Cloud
- Structure repositories, configuration and reusable building blocks: CI/CD and reliability on Google Cloud
- Automate build, test or deployment steps: CI/CD and reliability on Google Cloud
- Integrate observability, security and failure handling: CI/CD and reliability on Google Cloud
- Measure, improve and document the workflow for the team: CI/CD and reliability on Google Cloud

Learning outcome

Practical exercise: analyze a bounded scenario in "CI/CD and reliability on Google Cloud", implement or outline a suitable approach, and document decisions and limitations.

[gcp-devops](#)

Generative AI applications on Google Cloud

Generative AI applications on Google Cloud: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

Audience

IT professionals, administrators, development teams or technical career changers working with the topic.

Prerequisites

Foundational IT knowledge and some practical exposure to the subject. Specific prerequisites depend on the learning goal.

Duration

Indicative range: 2 to 4 learning days, depending on prior experience, desired depth and practical scope. Duration is set only after discussing requirements.

Agenda

- Clarify the use case, terminology and operating context: Generative AI applications on Google Cloud
- Examine the architecture and core components: Generative AI applications on Google Cloud
- Work through a representative practical task: Generative AI applications on Google Cloud
- Assess operations, risks and common failure modes: Generative AI applications on Google Cloud
- Document findings and identify next steps: Generative AI applications on Google Cloud

Learning outcome

Practical exercise: analyze a bounded scenario in “Generative AI applications on Google Cloud”, implement or outline a suitable approach, and document decisions and limitations.

[gcp-generative-ai](#)

Networking foundations with Cisco technologies

Networking foundations with Cisco technologies: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

Audience

Networking, infrastructure and support teams that plan, operate or troubleshoot connectivity.

Prerequisites

No formal prerequisite. Basic computer skills and an interest in the subject are helpful.

Duration

Indicative range: 2 to 4 learning days, depending on prior experience, desired depth and practical scope. Duration is set only after discussing requirements.

Agenda

- Frame the network protocols, topology and requirements: Networking foundations with Cisco technologies
- Design addressing, segmentation and traffic paths: Networking foundations with Cisco technologies
- Configure devices or services for the lab scenario: Networking foundations with Cisco technologies
- Validate connectivity, performance and security boundaries: Networking foundations with Cisco technologies
- Troubleshoot systematically and document operational knowledge: Networking foundations with Cisco technologies

Learning outcome

Practical exercise: analyze a bounded scenario in "Networking foundations with Cisco technologies", implement or outline a suitable approach, and document decisions and limitations.

[cisco-networking-fundamentals](#)

Cisco CCNA: routing and switching

Cisco CCNA: routing and switching: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

Audience

Networking, infrastructure and support teams that plan, operate or troubleshoot connectivity.

Prerequisites

Foundational IT knowledge and some practical exposure to the subject. Specific prerequisites depend on the learning goal.

Duration

Indicative range: 2 to 4 learning days, depending on prior experience, desired depth and practical scope. Duration is set only after discussing requirements.

Agenda

- Frame the network protocols, topology and requirements: Cisco CCNA: routing and switching
- Design addressing, segmentation and traffic paths: Cisco CCNA: routing and switching
- Configure devices or services for the lab scenario: Cisco CCNA: routing and switching
- Validate connectivity, performance and security boundaries: Cisco CCNA: routing and switching
- Troubleshoot systematically and document operational knowledge: Cisco CCNA: routing and switching

Learning outcome

Practical exercise: analyze a bounded scenario in “Cisco CCNA: routing and switching”, implement or outline a suitable approach, and document decisions and limitations.

[cisco-routing-switching](#)

Cisco CCNP Enterprise: modern enterprise networks

Cisco CCNP Enterprise: modern enterprise networks: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

Audience

Networking, infrastructure and support teams that plan, operate or troubleshoot connectivity.

Prerequisites

Foundational IT knowledge and some practical exposure to the subject. Specific prerequisites depend on the learning goal.

Duration

Indicative range: 2 to 4 learning days, depending on prior experience, desired depth and practical scope. Duration is set only after discussing requirements.

Agenda

- Frame the network protocols, topology and requirements: Cisco CCNP Enterprise: modern enterprise networks
- Design addressing, segmentation and traffic paths: Cisco CCNP Enterprise: modern enterprise networks
- Configure devices or services for the lab scenario: Cisco CCNP Enterprise: modern enterprise networks
- Validate connectivity, performance and security boundaries: Cisco CCNP Enterprise: modern enterprise networks
- Troubleshoot systematically and document operational knowledge: Cisco CCNP Enterprise: modern enterprise networks

Learning outcome

Practical exercise: analyze a bounded scenario in “Cisco CCNP Enterprise: modern enterprise networks”, implement or outline a suitable approach, and document decisions and limitations.

[cisco-enterprise-networking](#)

Planning and operating wireless networks

Planning and operating wireless networks: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

Audience

Networking, infrastructure and support teams that plan, operate or troubleshoot connectivity.

Prerequisites

Foundational IT knowledge and some practical exposure to the subject. Specific prerequisites depend on the learning goal.

Duration

Indicative range: 2 to 4 learning days, depending on prior experience, desired depth and practical scope. Duration is set only after discussing requirements.

Agenda

- Frame the network protocols, topology and requirements: Planning and operating wireless networks
- Design addressing, segmentation and traffic paths: Planning and operating wireless networks
- Configure devices or services for the lab scenario: Planning and operating wireless networks
- Validate connectivity, performance and security boundaries: Planning and operating wireless networks
- Troubleshoot systematically and document operational knowledge: Planning and operating wireless networks

Learning outcome

Practical exercise: analyze a bounded scenario in "Planning and operating wireless networks", implement or outline a suitable approach, and document decisions and limitations.

[cisco-wireless](#)

Network security with Cisco technologies

Network security with Cisco technologies: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

Audience

Security, operations and infrastructure teams, plus people responsible for risk, compliance or secure development.

Prerequisites

Foundational IT knowledge and some practical exposure to the subject. Specific prerequisites depend on the learning goal.

Duration

Indicative range: 2 to 4 learning days, depending on prior experience, desired depth and practical scope. Duration is set only after discussing requirements.

Agenda

- Identify protection needs, attack surfaces and relevant threats: Network security with Cisco technologies
- Structure identity, data and technical controls: Network security with Cisco technologies
- Apply controls in a bounded scenario: Network security with Cisco technologies
- Work through detection, response and evidence collection: Network security with Cisco technologies
- Prioritise risks and formulate an actionable improvement plan: Network security with Cisco technologies

Learning outcome

Practical exercise: analyze a bounded scenario in “Network security with Cisco technologies”, implement or outline a suitable approach, and document decisions and limitations.

[cisco-security](#)

Enterprise communications and collaboration

Enterprise communications and collaboration: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

Audience

Networking, infrastructure and support teams that plan, operate or troubleshoot connectivity.

Prerequisites

Foundational IT knowledge and some practical exposure to the subject. Specific prerequisites depend on the learning goal.

Duration

Indicative range: 2 to 4 learning days, depending on prior experience, desired depth and practical scope. Duration is set only after discussing requirements.

Agenda

- Frame the network protocols, topology and requirements: Enterprise communications and collaboration
- Design addressing, segmentation and traffic paths: Enterprise communications and collaboration
- Configure devices or services for the lab scenario: Enterprise communications and collaboration
- Validate connectivity, performance and security boundaries: Enterprise communications and collaboration
- Troubleshoot systematically and document operational knowledge: Enterprise communications and collaboration

Learning outcome

Practical exercise: analyze a bounded scenario in “Enterprise communications and collaboration”, implement or outline a suitable approach, and document decisions and limitations.

[cisco-collaboration](#)

IT entry: systems, software and security

IT entry: systems, software and security: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

Audience

IT professionals, administrators, development teams or technical career changers working with the topic.

Prerequisites

No formal prerequisite. Basic computer skills and an interest in the subject are helpful.

Duration

Indicative range: 2 to 4 learning days, depending on prior experience, desired depth and practical scope. Duration is set only after discussing requirements.

Agenda

- Clarify the use case, terminology and operating context: IT entry: systems, software and security
- Examine the architecture and core components: IT entry: systems, software and security
- Work through a representative practical task: IT entry: systems, software and security
- Assess operations, risks and common failure modes: IT entry: systems, software and security
- Document findings and identify next steps: IT entry: systems, software and security

Learning outcome

Practical exercise: analyze a bounded scenario in "IT entry: systems, software and security", implement or outline a suitable approach, and document decisions and limitations.

[comptia-it-fundamentals](#)

CompTIA A+: IT support and operating systems

CompTIA A+: IT support and operating systems: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

Audience

IT professionals, administrators, development teams or technical career changers working with the topic.

Prerequisites

No formal prerequisite. Basic computer skills and an interest in the subject are helpful.

Duration

Indicative range: 2 to 4 learning days, depending on prior experience, desired depth and practical scope. Duration is set only after discussing requirements.

Agenda

- Clarify the use case, terminology and operating context: CompTIA A+: IT support and operating systems
- Examine the architecture and core components: CompTIA A+: IT support and operating systems
- Work through a representative practical task: CompTIA A+: IT support and operating systems
- Assess operations, risks and common failure modes: CompTIA A+: IT support and operating systems
- Document findings and identify next steps: CompTIA A+: IT support and operating systems

Learning outcome

Practical exercise: analyze a bounded scenario in "CompTIA A+: IT support and operating systems", implement or outline a suitable approach, and document decisions and limitations.

[comptia-a-plus-support](#)

CompTIA Network+: administration and troubleshooting

CompTIA Network+: administration and troubleshooting: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

Audience

Networking, infrastructure and support teams that plan, operate or troubleshoot connectivity.

Prerequisites

Foundational IT knowledge and some practical exposure to the subject. Specific prerequisites depend on the learning goal.

Duration

Indicative range: 2 to 4 learning days, depending on prior experience, desired depth and practical scope. Duration is set only after discussing requirements.

Agenda

- Frame the network protocols, topology and requirements: CompTIA Network+: administration and troubleshooting
- Design addressing, segmentation and traffic paths: CompTIA Network+: administration and troubleshooting
- Configure devices or services for the lab scenario: CompTIA Network+: administration and troubleshooting
- Validate connectivity, performance and security boundaries: CompTIA Network+: administration and troubleshooting
- Troubleshoot systematically and document operational knowledge: CompTIA Network+: administration and troubleshooting

Learning outcome

Practical exercise: analyze a bounded scenario in “CompTIA Network+: administration and troubleshooting”, implement or outline a suitable approach, and document decisions and limitations.

[comptia-network-plus](#)

CompTIA Security+: security foundations

CompTIA Security+: security foundations: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

Audience

Security, operations and infrastructure teams, plus people responsible for risk, compliance or secure development.

Prerequisites

Foundational IT knowledge and some practical exposure to the subject. Specific prerequisites depend on the learning goal.

Duration

Indicative range: 2 to 4 learning days, depending on prior experience, desired depth and practical scope. Duration is set only after discussing requirements.

Agenda

- Identify protection needs, attack surfaces and relevant threats: CompTIA Security+: security foundations
- Structure identity, data and technical controls: CompTIA Security+: security foundations
- Apply controls in a bounded scenario: CompTIA Security+: security foundations
- Work through detection, response and evidence collection: CompTIA Security+: security foundations
- Prioritise risks and formulate an actionable improvement plan: CompTIA Security+: security foundations

Learning outcome

Practical exercise: analyze a bounded scenario in “CompTIA Security+: security foundations”, implement or outline a suitable approach, and document decisions and limitations.

[comptia-security-plus](#)

CompTIA Linux+: administration and automation

CompTIA Linux+: administration and automation: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

Audience

System administration, DevOps, support and technical specialists responsible for Linux-based systems.

Prerequisites

Foundational IT knowledge and some practical exposure to the subject. Specific prerequisites depend on the learning goal.

Duration

Indicative range: 2 to 4 learning days, depending on prior experience, desired depth and practical scope. Duration is set only after discussing requirements.

Agenda

- Understand system structure, the shell and file permissions: CompTIA Linux+: administration and automation
- Inspect services, processes, storage and networking: CompTIA Linux+: administration and automation
- Complete a representative administration task: CompTIA Linux+: administration and automation
- Apply automation, logging and security controls: CompTIA Linux+: administration and automation
- Analyse a failure and create an operations runbook: CompTIA Linux+: administration and automation

Learning outcome

Practical exercise: analyze a bounded scenario in “CompTIA Linux+: administration and automation”, implement or outline a suitable approach, and document decisions and limitations.

[comp tia-linux-plus](#)

CompTIA Cloud+: operations and troubleshooting

CompTIA Cloud+: operations and troubleshooting: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

Audience

Cloud, infrastructure and platform teams, plus technical decision makers working with the topic.

Prerequisites

Foundational IT knowledge and some practical exposure to the subject. Specific prerequisites depend on the learning goal.

Duration

Indicative range: 2 to 4 learning days, depending on prior experience, desired depth and practical scope. Duration is set only after discussing requirements.

Agenda

- Frame requirements, the responsibility model and target architecture: CompTIA Cloud+: operations and troubleshooting
- Plan identity, networking and core services: CompTIA Cloud+: operations and troubleshooting
- Configure resources for a realistic scenario: CompTIA Cloud+: operations and troubleshooting
- Assess operations, cost, security and resilience: CompTIA Cloud+: operations and troubleshooting
- Document the architecture decision and next implementation steps: CompTIA Cloud+: operations and troubleshooting

Learning outcome

Practical exercise: analyze a bounded scenario in “CompTIA Cloud+: operations and troubleshooting”, implement or outline a suitable approach, and document decisions and limitations.

[comptia-cloud-plus](#)

CompTIA CySA+: analysis and detection

CompTIA CySA+: analysis and detection: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

Audience

Security, operations and infrastructure teams, plus people responsible for risk, compliance or secure development.

Prerequisites

Foundational IT knowledge and some practical exposure to the subject. Specific prerequisites depend on the learning goal.

Duration

Indicative range: 2 to 4 learning days, depending on prior experience, desired depth and practical scope. Duration is set only after discussing requirements.

Agenda

- Identify protection needs, attack surfaces and relevant threats: CompTIA CySA+: analysis and detection
- Structure identity, data and technical controls: CompTIA CySA+: analysis and detection
- Apply controls in a bounded scenario: CompTIA CySA+: analysis and detection
- Work through detection, response and evidence collection: CompTIA CySA+: analysis and detection
- Prioritise risks and formulate an actionable improvement plan: CompTIA CySA+: analysis and detection

Learning outcome

Practical exercise: analyze a bounded scenario in "CompTIA CySA+: analysis and detection", implement or outline a suitable approach, and document decisions and limitations.

[comp-tia-cybersecurity-analyst](#)

CompTIA PenTest+: testing and reporting

CompTIA PenTest+: testing and reporting: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

Audience

Security, operations and infrastructure teams, plus people responsible for risk, compliance or secure development.

Prerequisites

Foundational IT knowledge and some practical exposure to the subject. Specific prerequisites depend on the learning goal.

Duration

Indicative range: 2 to 4 learning days, depending on prior experience, desired depth and practical scope. Duration is set only after discussing requirements.

Agenda

- Identify protection needs, attack surfaces and relevant threats: CompTIA PenTest+: testing and reporting
- Structure identity, data and technical controls: CompTIA PenTest+: testing and reporting
- Apply controls in a bounded scenario: CompTIA PenTest+: testing and reporting
- Work through detection, response and evidence collection: CompTIA PenTest+: testing and reporting
- Prioritise risks and formulate an actionable improvement plan: CompTIA PenTest+: testing and reporting

Learning outcome

Practical exercise: analyze a bounded scenario in “CompTIA PenTest+: testing and reporting”, implement or outline a suitable approach, and document decisions and limitations.

[comptia-penetration-testing](#)

Linux system administration with Red Hat Enterprise Linux

Linux system administration with Red Hat Enterprise Linux: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

Audience

System administration, DevOps, support and technical specialists responsible for Linux-based systems.

Prerequisites

Foundational IT knowledge and some practical exposure to the subject. Specific prerequisites depend on the learning goal.

Duration

Indicative range: 2 to 4 learning days, depending on prior experience, desired depth and practical scope. Duration is set only after discussing requirements.

Agenda

- Understand system structure, the shell and file permissions: Linux system administration with Red Hat Enterprise Linux
- Inspect services, processes, storage and networking: Linux system administration with Red Hat Enterprise Linux
- Complete a representative administration task: Linux system administration with Red Hat Enterprise Linux
- Apply automation, logging and security controls: Linux system administration with Red Hat Enterprise Linux
- Analyse a failure and create an operations runbook: Linux system administration with Red Hat Enterprise Linux

Learning outcome

Practical exercise: analyze a bounded scenario in “Linux system administration with Red Hat Enterprise Linux”, implement or outline a suitable approach, and document decisions and limitations.

[redhat-linux-admin](#)

Troubleshooting Linux servers

Troubleshooting Linux servers: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

Audience

System administration, DevOps, support and technical specialists responsible for Linux-based systems.

Prerequisites

Foundational IT knowledge and some practical exposure to the subject. Specific prerequisites depend on the learning goal.

Duration

Indicative range: 2 to 4 learning days, depending on prior experience, desired depth and practical scope. Duration is set only after discussing requirements.

Agenda

- Understand system structure, the shell and file permissions: Troubleshooting Linux servers
- Inspect services, processes, storage and networking: Troubleshooting Linux servers
- Complete a representative administration task: Troubleshooting Linux servers
- Apply automation, logging and security controls: Troubleshooting Linux servers
- Analyse a failure and create an operations runbook: Troubleshooting Linux servers

Learning outcome

Practical exercise: analyze a bounded scenario in "Troubleshooting Linux servers", implement or outline a suitable approach, and document decisions and limitations.

[redhat-linux-troubleshooting](#)

Container platform operations with OpenShift

Container platform operations with OpenShift: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

Audience

Development, platform and operations teams automating software delivery and infrastructure together.

Prerequisites

Foundational IT knowledge and some practical exposure to the subject. Specific prerequisites depend on the learning goal.

Duration

Indicative range: 2 to 4 learning days, depending on prior experience, desired depth and practical scope. Duration is set only after discussing requirements.

Agenda

- Clarify the delivery flow, platform boundaries and automation goals: Container platform operations with OpenShift
- Structure repositories, configuration and reusable building blocks: Container platform operations with OpenShift
- Automate build, test or deployment steps: Container platform operations with OpenShift
- Integrate observability, security and failure handling: Container platform operations with OpenShift
- Measure, improve and document the workflow for the team: Container platform operations with OpenShift

Learning outcome

Practical exercise: analyze a bounded scenario in “Container platform operations with OpenShift”, implement or outline a suitable approach, and document decisions and limitations.

[redhat-openshift-admin](#)

Developing applications for OpenShift

Developing applications for OpenShift: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

Audience

Developers, technical career changers and product teams working on practical software tasks.

Prerequisites

Foundational IT knowledge and some practical exposure to the subject. Specific prerequisites depend on the learning goal.

Duration

Indicative range: 2 to 4 learning days, depending on prior experience, desired depth and practical scope. Duration is set only after discussing requirements.

Agenda

- Prepare the tools, runtime and project structure: Developing applications for OpenShift
- Apply core concepts through focused examples: Developing applications for OpenShift
- Develop a bounded feature or interface: Developing applications for OpenShift
- Integrate tests, debugging and security considerations: Developing applications for OpenShift
- Review and document the code, then plan the next increment: Developing applications for OpenShift

Learning outcome

Practical exercise: analyze a bounded scenario in “Developing applications for OpenShift”, implement or outline a suitable approach, and document decisions and limitations.

[redhat-openshift-development](#)

Automating infrastructure with Ansible

Automating infrastructure with Ansible: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

Audience

Development, platform and operations teams automating software delivery and infrastructure together.

Prerequisites

Foundational IT knowledge and some practical exposure to the subject. Specific prerequisites depend on the learning goal.

Duration

Indicative range: 2 to 4 learning days, depending on prior experience, desired depth and practical scope. Duration is set only after discussing requirements.

Agenda

- Clarify the delivery flow, platform boundaries and automation goals: Automating infrastructure with Ansible
- Structure repositories, configuration and reusable building blocks: Automating infrastructure with Ansible
- Automate build, test or deployment steps: Automating infrastructure with Ansible
- Integrate observability, security and failure handling: Automating infrastructure with Ansible
- Measure, improve and document the workflow for the team: Automating infrastructure with Ansible

Learning outcome

Practical exercise: analyze a bounded scenario in “Automating infrastructure with Ansible”, implement or outline a suitable approach, and document decisions and limitations.

[redhat-ansible-automation](#)

Designing reusable Ansible automation

Designing reusable Ansible automation: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

Audience

Development, platform and operations teams automating software delivery and infrastructure together.

Prerequisites

Foundational IT knowledge and some practical exposure to the subject. Specific prerequisites depend on the learning goal.

Duration

Indicative range: 2 to 4 learning days, depending on prior experience, desired depth and practical scope. Duration is set only after discussing requirements.

Agenda

- Clarify the delivery flow, platform boundaries and automation goals: Designing reusable Ansible automation
- Structure repositories, configuration and reusable building blocks: Designing reusable Ansible automation
- Automate build, test or deployment steps: Designing reusable Ansible automation
- Integrate observability, security and failure handling: Designing reusable Ansible automation
- Measure, improve and document the workflow for the team: Designing reusable Ansible automation

Learning outcome

Practical exercise: analyze a bounded scenario in “Designing reusable Ansible automation”, implement or outline a suitable approach, and document decisions and limitations.

[redhat-ansible-advanced](#)

Shell scripting for system operations

Shell scripting for system operations: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

Audience

System administration, DevOps, support and technical specialists responsible for Linux-based systems.

Prerequisites

Foundational IT knowledge and some practical exposure to the subject. Specific prerequisites depend on the learning goal.

Duration

Indicative range: 2 to 4 learning days, depending on prior experience, desired depth and practical scope. Duration is set only after discussing requirements.

Agenda

- Understand system structure, the shell and file permissions: Shell scripting for system operations
- Inspect services, processes, storage and networking: Shell scripting for system operations
- Complete a representative administration task: Shell scripting for system operations
- Apply automation, logging and security controls: Shell scripting for system operations
- Analyse a failure and create an operations runbook: Shell scripting for system operations

Learning outcome

Practical exercise: analyze a bounded scenario in “Shell scripting for system operations”, implement or outline a suitable approach, and document decisions and limitations.

[linux-shell-scripting](#)

Securing and hardening Linux systems

Securing and hardening Linux systems: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

Audience

System administration, DevOps, support and technical specialists responsible for Linux-based systems.

Prerequisites

Foundational IT knowledge and some practical exposure to the subject. Specific prerequisites depend on the learning goal.

Duration

Indicative range: 2 to 4 learning days, depending on prior experience, desired depth and practical scope. Duration is set only after discussing requirements.

Agenda

- Understand system structure, the shell and file permissions: Securing and hardening Linux systems
- Inspect services, processes, storage and networking: Securing and hardening Linux systems
- Complete a representative administration task: Securing and hardening Linux systems
- Apply automation, logging and security controls: Securing and hardening Linux systems
- Analyse a failure and create an operations runbook: Securing and hardening Linux systems

Learning outcome

Practical exercise: analyze a bounded scenario in "Securing and hardening Linux systems", implement or outline a suitable approach, and document decisions and limitations.

[linux-security-hardening](#)

CKA: administering Kubernetes clusters

CKA: administering Kubernetes clusters: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

Audience

Development, platform and operations teams automating software delivery and infrastructure together.

Prerequisites

Foundational IT knowledge and some practical exposure to the subject. Specific prerequisites depend on the learning goal.

Duration

Indicative range: 2 to 4 learning days, depending on prior experience, desired depth and practical scope. Duration is set only after discussing requirements.

Agenda

- Clarify the delivery flow, platform boundaries and automation goals: CKA: administering Kubernetes clusters
- Structure repositories, configuration and reusable building blocks: CKA: administering Kubernetes clusters
- Automate build, test or deployment steps: CKA: administering Kubernetes clusters
- Integrate observability, security and failure handling: CKA: administering Kubernetes clusters
- Measure, improve and document the workflow for the team: CKA: administering Kubernetes clusters

Learning outcome

Practical exercise: analyze a bounded scenario in “CKA: administering Kubernetes clusters”, implement or outline a suitable approach, and document decisions and limitations.

[kubernetes-administration](#)

CKAD: cloud native applications on Kubernetes

CKAD: cloud native applications on Kubernetes: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

Audience

Development, platform and operations teams automating software delivery and infrastructure together.

Prerequisites

Foundational IT knowledge and some practical exposure to the subject. Specific prerequisites depend on the learning goal.

Duration

Indicative range: 2 to 4 learning days, depending on prior experience, desired depth and practical scope. Duration is set only after discussing requirements.

Agenda

- Clarify the delivery flow, platform boundaries and automation goals: CKAD: cloud native applications on Kubernetes
- Structure repositories, configuration and reusable building blocks: CKAD: cloud native applications on Kubernetes
- Automate build, test or deployment steps: CKAD: cloud native applications on Kubernetes
- Integrate observability, security and failure handling: CKAD: cloud native applications on Kubernetes
- Measure, improve and document the workflow for the team: CKAD: cloud native applications on Kubernetes

Learning outcome

Practical exercise: analyze a bounded scenario in “CKAD: cloud native applications on Kubernetes”, implement or outline a suitable approach, and document decisions and limitations.

[kubernetes-application-development](#)

CKS: operating Kubernetes workloads securely

CKS: operating Kubernetes workloads securely: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

Audience

Security, operations and infrastructure teams, plus people responsible for risk, compliance or secure development.

Prerequisites

Foundational IT knowledge and some practical exposure to the subject. Specific prerequisites depend on the learning goal.

Duration

Indicative range: 2 to 4 learning days, depending on prior experience, desired depth and practical scope. Duration is set only after discussing requirements.

Agenda

- Identify protection needs, attack surfaces and relevant threats: CKS: operating Kubernetes workloads securely
- Structure identity, data and technical controls: CKS: operating Kubernetes workloads securely
- Apply controls in a bounded scenario: CKS: operating Kubernetes workloads securely
- Work through detection, response and evidence collection: CKS: operating Kubernetes workloads securely
- Prioritise risks and formulate an actionable improvement plan: CKS: operating Kubernetes workloads securely

Learning outcome

Practical exercise: analyze a bounded scenario in “CKS: operating Kubernetes workloads securely”, implement or outline a suitable approach, and document decisions and limitations.

[kubernetes-security](#)

Kubernetes platforms for development teams

Kubernetes platforms for development teams: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

Audience

Development, platform and operations teams automating software delivery and infrastructure together.

Prerequisites

Foundational IT knowledge and some practical exposure to the subject. Specific prerequisites depend on the learning goal.

Duration

Indicative range: 2 to 4 learning days, depending on prior experience, desired depth and practical scope. Duration is set only after discussing requirements.

Agenda

- Clarify the delivery flow, platform boundaries and automation goals: Kubernetes platforms for development teams
- Structure repositories, configuration and reusable building blocks: Kubernetes platforms for development teams
- Automate build, test or deployment steps: Kubernetes platforms for development teams
- Integrate observability, security and failure handling: Kubernetes platforms for development teams
- Measure, improve and document the workflow for the team: Kubernetes platforms for development teams

Learning outcome

Practical exercise: analyze a bounded scenario in “Kubernetes platforms for development teams”, implement or outline a suitable approach, and document decisions and limitations.

[kubernetes-platform-engineering](#)

Infrastructure as code with Terraform

Infrastructure as code with Terraform: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

Audience

Development, platform and operations teams automating software delivery and infrastructure together.

Prerequisites

Foundational IT knowledge and some practical exposure to the subject. Specific prerequisites depend on the learning goal.

Duration

Indicative range: 2 to 4 learning days, depending on prior experience, desired depth and practical scope. Duration is set only after discussing requirements.

Agenda

- Clarify the delivery flow, platform boundaries and automation goals: Infrastructure as code with Terraform
- Structure repositories, configuration and reusable building blocks: Infrastructure as code with Terraform
- Automate build, test or deployment steps: Infrastructure as code with Terraform
- Integrate observability, security and failure handling: Infrastructure as code with Terraform
- Measure, improve and document the workflow for the team: Infrastructure as code with Terraform

Learning outcome

Practical exercise: analyze a bounded scenario in “Infrastructure as code with Terraform”, implement or outline a suitable approach, and document decisions and limitations.

[terraform-foundations](#)

Building reusable Terraform modules

Building reusable Terraform modules: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

Audience

Development, platform and operations teams automating software delivery and infrastructure together.

Prerequisites

Foundational IT knowledge and some practical exposure to the subject. Specific prerequisites depend on the learning goal.

Duration

Indicative range: 2 to 4 learning days, depending on prior experience, desired depth and practical scope. Duration is set only after discussing requirements.

Agenda

- Clarify the delivery flow, platform boundaries and automation goals: Building reusable Terraform modules
- Structure repositories, configuration and reusable building blocks: Building reusable Terraform modules
- Automate build, test or deployment steps: Building reusable Terraform modules
- Integrate observability, security and failure handling: Building reusable Terraform modules
- Measure, improve and document the workflow for the team: Building reusable Terraform modules

Learning outcome

Practical exercise: analyze a bounded scenario in “Building reusable Terraform modules”, implement or outline a suitable approach, and document decisions and limitations.

[terraform-modules](#)

Governing cloud provisioning with Terraform

Governing cloud provisioning with Terraform: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

Audience

Cloud, infrastructure and platform teams, plus technical decision makers working with the topic.

Prerequisites

Foundational IT knowledge and some practical exposure to the subject. Specific prerequisites depend on the learning goal.

Duration

Indicative range: 2 to 4 learning days, depending on prior experience, desired depth and practical scope. Duration is set only after discussing requirements.

Agenda

- Frame requirements, the responsibility model and target architecture: Governing cloud provisioning with Terraform
- Plan identity, networking and core services: Governing cloud provisioning with Terraform
- Configure resources for a realistic scenario: Governing cloud provisioning with Terraform
- Assess operations, cost, security and resilience: Governing cloud provisioning with Terraform
- Document the architecture decision and next implementation steps: Governing cloud provisioning with Terraform

Learning outcome

Practical exercise: analyze a bounded scenario in “Governing cloud provisioning with Terraform”, implement or outline a suitable approach, and document decisions and limitations.

[terraform-cloud-governance](#)

CI/CD pipelines with GitHub Actions

CI/CD pipelines with GitHub Actions: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

Audience

Development, platform and operations teams automating software delivery and infrastructure together.

Prerequisites

Foundational IT knowledge and some practical exposure to the subject. Specific prerequisites depend on the learning goal.

Duration

Indicative range: 2 to 4 learning days, depending on prior experience, desired depth and practical scope. Duration is set only after discussing requirements.

Agenda

- Clarify the delivery flow, platform boundaries and automation goals: CI/CD pipelines with GitHub Actions
- Structure repositories, configuration and reusable building blocks: CI/CD pipelines with GitHub Actions
- Automate build, test or deployment steps: CI/CD pipelines with GitHub Actions
- Integrate observability, security and failure handling: CI/CD pipelines with GitHub Actions
- Measure, improve and document the workflow for the team: CI/CD pipelines with GitHub Actions

Learning outcome

Practical exercise: analyze a bounded scenario in “CI/CD pipelines with GitHub Actions”, implement or outline a suitable approach, and document decisions and limitations.

[github-actions](#)

Security checks in the GitHub development flow

Security checks in the GitHub development flow: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

Audience

Security, operations and infrastructure teams, plus people responsible for risk, compliance or secure development.

Prerequisites

Foundational IT knowledge and some practical exposure to the subject. Specific prerequisites depend on the learning goal.

Duration

Indicative range: 2 to 4 learning days, depending on prior experience, desired depth and practical scope. Duration is set only after discussing requirements.

Agenda

- Identify protection needs, attack surfaces and relevant threats: Security checks in the GitHub development flow
- Structure identity, data and technical controls: Security checks in the GitHub development flow
- Apply controls in a bounded scenario: Security checks in the GitHub development flow
- Work through detection, response and evidence collection: Security checks in the GitHub development flow
- Prioritise risks and formulate an actionable improvement plan: Security checks in the GitHub development flow

Learning outcome

Practical exercise: analyze a bounded scenario in “Security checks in the GitHub development flow”, implement or outline a suitable approach, and document decisions and limitations.

[github-advanced-security](#)

Git workflows for distributed teams

Git workflows for distributed teams: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

Audience

Developers, technical career changers and product teams working on practical software tasks.

Prerequisites

No formal prerequisite. Basic computer skills and an interest in the subject are helpful.

Duration

Indicative range: 2 to 4 learning days, depending on prior experience, desired depth and practical scope. Duration is set only after discussing requirements.

Agenda

- Prepare the tools, runtime and project structure: Git workflows for distributed teams
- Apply core concepts through focused examples: Git workflows for distributed teams
- Develop a bounded feature or interface: Git workflows for distributed teams
- Integrate tests, debugging and security considerations: Git workflows for distributed teams
- Review and document the code, then plan the next increment: Git workflows for distributed teams

Learning outcome

Practical exercise: analyze a bounded scenario in "Git workflows for distributed teams", implement or outline a suitable approach, and document decisions and limitations.

[git-team-workflows](#)

Observability for distributed applications

Observability for distributed applications: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

Audience

Development, platform and operations teams automating software delivery and infrastructure together.

Prerequisites

Foundational IT knowledge and some practical exposure to the subject. Specific prerequisites depend on the learning goal.

Duration

Indicative range: 2 to 4 learning days, depending on prior experience, desired depth and practical scope. Duration is set only after discussing requirements.

Agenda

- Clarify the delivery flow, platform boundaries and automation goals: Observability for distributed applications
- Structure repositories, configuration and reusable building blocks: Observability for distributed applications
- Automate build, test or deployment steps: Observability for distributed applications
- Integrate observability, security and failure handling: Observability for distributed applications
- Measure, improve and document the workflow for the team: Observability for distributed applications

Learning outcome

Practical exercise: analyze a bounded scenario in “Observability for distributed applications”, implement or outline a suitable approach, and document decisions and limitations.

[devops-observability](#)

Reliability and incident learning

Reliability and incident learning: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

Audience

Development, platform and operations teams automating software delivery and infrastructure together.

Prerequisites

Foundational IT knowledge and some practical exposure to the subject. Specific prerequisites depend on the learning goal.

Duration

Indicative range: 2 to 4 learning days, depending on prior experience, desired depth and practical scope. Duration is set only after discussing requirements.

Agenda

- Clarify the delivery flow, platform boundaries and automation goals: Reliability and incident learning
- Structure repositories, configuration and reusable building blocks: Reliability and incident learning
- Automate build, test or deployment steps: Reliability and incident learning
- Integrate observability, security and failure handling: Reliability and incident learning
- Measure, improve and document the workflow for the team: Reliability and incident learning

Learning outcome

Practical exercise: analyze a bounded scenario in “Reliability and incident learning”, implement or outline a suitable approach, and document decisions and limitations.

[devops-sre-reliability](#)

Cybersecurity for emerging security roles

Cybersecurity for emerging security roles: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

Audience

Security, operations and infrastructure teams, plus people responsible for risk, compliance or secure development.

Prerequisites

No formal prerequisite. Basic computer skills and an interest in the subject are helpful.

Duration

Indicative range: 2 to 4 learning days, depending on prior experience, desired depth and practical scope. Duration is set only after discussing requirements.

Agenda

- Identify protection needs, attack surfaces and relevant threats: Cybersecurity for emerging security roles
- Structure identity, data and technical controls: Cybersecurity for emerging security roles
- Apply controls in a bounded scenario: Cybersecurity for emerging security roles
- Work through detection, response and evidence collection: Cybersecurity for emerging security roles
- Prioritise risks and formulate an actionable improvement plan: Cybersecurity for emerging security roles

Learning outcome

Practical exercise: analyze a bounded scenario in "Cybersecurity for emerging security roles", implement or outline a suitable approach, and document decisions and limitations.

[isc2-security-foundations](#)

Security programs and governance

Security programs and governance: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

Audience

Security, operations and infrastructure teams, plus people responsible for risk, compliance or secure development.

Prerequisites

Foundational IT knowledge and some practical exposure to the subject. Specific prerequisites depend on the learning goal.

Duration

Indicative range: 2 to 4 learning days, depending on prior experience, desired depth and practical scope. Duration is set only after discussing requirements.

Agenda

- Identify protection needs, attack surfaces and relevant threats: Security programs and governance
- Structure identity, data and technical controls: Security programs and governance
- Apply controls in a bounded scenario: Security programs and governance
- Work through detection, response and evidence collection: Security programs and governance
- Prioritise risks and formulate an actionable improvement plan: Security programs and governance

Learning outcome

Practical exercise: analyze a bounded scenario in "Security programs and governance", implement or outline a suitable approach, and document decisions and limitations.

[isc2-security-management](#)

IT risk, control and governance

IT risk, control and governance: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

Audience

Security, operations and infrastructure teams, plus people responsible for risk, compliance or secure development.

Prerequisites

Foundational IT knowledge and some practical exposure to the subject. Specific prerequisites depend on the learning goal.

Duration

Indicative range: 2 to 4 learning days, depending on prior experience, desired depth and practical scope. Duration is set only after discussing requirements.

Agenda

- Identify protection needs, attack surfaces and relevant threats: IT risk, control and governance
- Structure identity, data and technical controls: IT risk, control and governance
- Apply controls in a bounded scenario: IT risk, control and governance
- Work through detection, response and evidence collection: IT risk, control and governance
- Prioritise risks and formulate an actionable improvement plan: IT risk, control and governance

Learning outcome

Practical exercise: analyze a bounded scenario in "IT risk, control and governance", implement or outline a suitable approach, and document decisions and limitations.

[isaca-risk-governance](#)

Planning IT audits and assessing evidence

Planning IT audits and assessing evidence: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

Audience

Security, operations and infrastructure teams, plus people responsible for risk, compliance or secure development.

Prerequisites

Foundational IT knowledge and some practical exposure to the subject. Specific prerequisites depend on the learning goal.

Duration

Indicative range: 2 to 4 learning days, depending on prior experience, desired depth and practical scope. Duration is set only after discussing requirements.

Agenda

- Identify protection needs, attack surfaces and relevant threats: Planning IT audits and assessing evidence
- Structure identity, data and technical controls: Planning IT audits and assessing evidence
- Apply controls in a bounded scenario: Planning IT audits and assessing evidence
- Work through detection, response and evidence collection: Planning IT audits and assessing evidence
- Prioritise risks and formulate an actionable improvement plan: Planning IT audits and assessing evidence

Learning outcome

Practical exercise: analyze a bounded scenario in “Planning IT audits and assessing evidence”, implement or outline a suitable approach, and document decisions and limitations.

[isaca-audit](#)

Investigating and coordinating security incidents

Investigating and coordinating security incidents: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

Audience

Security, operations and infrastructure teams, plus people responsible for risk, compliance or secure development.

Prerequisites

Foundational IT knowledge and some practical exposure to the subject. Specific prerequisites depend on the learning goal.

Duration

Indicative range: 2 to 4 learning days, depending on prior experience, desired depth and practical scope. Duration is set only after discussing requirements.

Agenda

- Identify protection needs, attack surfaces and relevant threats: Investigating and coordinating security incidents
- Structure identity, data and technical controls: Investigating and coordinating security incidents
- Apply controls in a bounded scenario: Investigating and coordinating security incidents
- Work through detection, response and evidence collection: Investigating and coordinating security incidents
- Prioritise risks and formulate an actionable improvement plan: Investigating and coordinating security incidents

Learning outcome

Practical exercise: analyze a bounded scenario in "Investigating and coordinating security incidents", implement or outline a suitable approach, and document decisions and limitations.

[security-incident-response](#)

Managing identities and access securely

Managing identities and access securely: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

Audience

Security, operations and infrastructure teams, plus people responsible for risk, compliance or secure development.

Prerequisites

Foundational IT knowledge and some practical exposure to the subject. Specific prerequisites depend on the learning goal.

Duration

Indicative range: 2 to 4 learning days, depending on prior experience, desired depth and practical scope. Duration is set only after discussing requirements.

Agenda

- Identify protection needs, attack surfaces and relevant threats: Managing identities and access securely
- Structure identity, data and technical controls: Managing identities and access securely
- Apply controls in a bounded scenario: Managing identities and access securely
- Work through detection, response and evidence collection: Managing identities and access securely
- Prioritise risks and formulate an actionable improvement plan: Managing identities and access securely

Learning outcome

Practical exercise: analyze a bounded scenario in “Managing identities and access securely”, implement or outline a suitable approach, and document decisions and limitations.

[security-identity-access](#)

Cloud security controls and policies

Cloud security controls and policies: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

Audience

Security, operations and infrastructure teams, plus people responsible for risk, compliance or secure development.

Prerequisites

Foundational IT knowledge and some practical exposure to the subject. Specific prerequisites depend on the learning goal.

Duration

Indicative range: 2 to 4 learning days, depending on prior experience, desired depth and practical scope. Duration is set only after discussing requirements.

Agenda

- Identify protection needs, attack surfaces and relevant threats: Cloud security controls and policies
- Structure identity, data and technical controls: Cloud security controls and policies
- Apply controls in a bounded scenario: Cloud security controls and policies
- Work through detection, response and evidence collection: Cloud security controls and policies
- Prioritise risks and formulate an actionable improvement plan: Cloud security controls and policies

Learning outcome

Practical exercise: analyze a bounded scenario in “Cloud security controls and policies”, implement or outline a suitable approach, and document decisions and limitations.

[security-cloud-governance](#)

Secure software development and application testing

Secure software development and application testing: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

Audience

Developers, technical career changers and product teams working on practical software tasks.

Prerequisites

Foundational IT knowledge and some practical exposure to the subject. Specific prerequisites depend on the learning goal.

Duration

Indicative range: 2 to 4 learning days, depending on prior experience, desired depth and practical scope. Duration is set only after discussing requirements.

Agenda

- Prepare the tools, runtime and project structure: Secure software development and application testing
- Apply core concepts through focused examples: Secure software development and application testing
- Develop a bounded feature or interface: Secure software development and application testing
- Integrate tests, debugging and security considerations: Secure software development and application testing
- Review and document the code, then plan the next increment: Secure software development and application testing

Learning outcome

Practical exercise: analyze a bounded scenario in "Secure software development and application testing", implement or outline a suitable approach, and document decisions and limitations.

[security-application-testing](#)

ITIL 5 and IT service management in practice

ITIL 5 and IT service management in practice: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

Audience

IT professionals, administrators, development teams or technical career changers working with the topic.

Prerequisites

No formal prerequisite. Basic computer skills and an interest in the subject are helpful.

Duration

Indicative range: 2 to 4 learning days, depending on prior experience, desired depth and practical scope. Duration is set only after discussing requirements.

Agenda

- Clarify the use case, terminology and operating context: ITIL 5 and IT service management in practice
- Examine the architecture and core components: ITIL 5 and IT service management in practice
- Work through a representative practical task: ITIL 5 and IT service management in practice
- Assess operations, risks and common failure modes: ITIL 5 and IT service management in practice
- Document findings and identify next steps: ITIL 5 and IT service management in practice

Learning outcome

Practical exercise: analyze a bounded scenario in "ITIL 5 and IT service management in practice", implement or outline a suitable approach, and document decisions and limitations.

[itil-service-management](#)

Designing and improving services

Designing and improving services: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

Audience

Project, product, process and IT service teams, plus specialists working between business and technology.

Prerequisites

Foundational IT knowledge and some practical exposure to the subject. Specific prerequisites depend on the learning goal.

Duration

Indicative range: 2 to 4 learning days, depending on prior experience, desired depth and practical scope. Duration is set only after discussing requirements.

Agenda

- Clarify outcomes, stakeholders, roles and decision boundaries: Designing and improving services
- Structure requirements, work packages or the backlog transparently: Designing and improving services
- Apply planning and collaboration to a case scenario: Designing and improving services
- Make risks, dependencies and progress visible: Designing and improving services
- Run a retrospective and agree specific improvements: Designing and improving services

Learning outcome

Practical exercise: analyze a bounded scenario in "Designing and improving services", implement or outline a suitable approach, and document decisions and limitations.

[itil-service-design](#)

Incident and problem management

Incident and problem management: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

Audience

Project, product, process and IT service teams, plus specialists working between business and technology.

Prerequisites

Foundational IT knowledge and some practical exposure to the subject. Specific prerequisites depend on the learning goal.

Duration

Indicative range: 2 to 4 learning days, depending on prior experience, desired depth and practical scope. Duration is set only after discussing requirements.

Agenda

- Clarify outcomes, stakeholders, roles and decision boundaries: Incident and problem management
- Structure requirements, work packages or the backlog transparently: Incident and problem management
- Apply planning and collaboration to a case scenario: Incident and problem management
- Make risks, dependencies and progress visible: Incident and problem management
- Run a retrospective and agree specific improvements: Incident and problem management

Learning outcome

Practical exercise: analyze a bounded scenario in "Incident and problem management", implement or outline a suitable approach, and document decisions and limitations.

[itil-incident-practices](#)

Managing digital products and services

Managing digital products and services: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

Audience

Project, product, process and IT service teams, plus specialists working between business and technology.

Prerequisites

Foundational IT knowledge and some practical exposure to the subject. Specific prerequisites depend on the learning goal.

Duration

Indicative range: 2 to 4 learning days, depending on prior experience, desired depth and practical scope. Duration is set only after discussing requirements.

Agenda

- Clarify outcomes, stakeholders, roles and decision boundaries: Managing digital products and services
- Structure requirements, work packages or the backlog transparently: Managing digital products and services
- Apply planning and collaboration to a case scenario: Managing digital products and services
- Make risks, dependencies and progress visible: Managing digital products and services
- Run a retrospective and agree specific improvements: Managing digital products and services

Learning outcome

Practical exercise: analyze a bounded scenario in "Managing digital products and services", implement or outline a suitable approach, and document decisions and limitations.

[itil-digital-product](#)

Project management for technology teams

Project management for technology teams: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

Audience

Project, product, process and IT service teams, plus specialists working between business and technology.

Prerequisites

Foundational IT knowledge and some practical exposure to the subject. Specific prerequisites depend on the learning goal.

Duration

Indicative range: 2 to 4 learning days, depending on prior experience, desired depth and practical scope. Duration is set only after discussing requirements.

Agenda

- Clarify outcomes, stakeholders, roles and decision boundaries: Project management for technology teams
- Structure requirements, work packages or the backlog transparently: Project management for technology teams
- Apply planning and collaboration to a case scenario: Project management for technology teams
- Make risks, dependencies and progress visible: Project management for technology teams
- Run a retrospective and agree specific improvements: Project management for technology teams

Learning outcome

Practical exercise: analyze a bounded scenario in "Project management for technology teams", implement or outline a suitable approach, and document decisions and limitations.

[pmi-project-management](#)

Agile project delivery and hybrid approaches

Agile project delivery and hybrid approaches: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

Audience

Project, product, process and IT service teams, plus specialists working between business and technology.

Prerequisites

Foundational IT knowledge and some practical exposure to the subject. Specific prerequisites depend on the learning goal.

Duration

Indicative range: 2 to 4 learning days, depending on prior experience, desired depth and practical scope. Duration is set only after discussing requirements.

Agenda

- Clarify outcomes, stakeholders, roles and decision boundaries: Agile project delivery and hybrid approaches
- Structure requirements, work packages or the backlog transparently: Agile project delivery and hybrid approaches
- Apply planning and collaboration to a case scenario: Agile project delivery and hybrid approaches
- Make risks, dependencies and progress visible: Agile project delivery and hybrid approaches
- Run a retrospective and agree specific improvements: Agile project delivery and hybrid approaches

Learning outcome

Practical exercise: analyze a bounded scenario in “Agile project delivery and hybrid approaches”, implement or outline a suitable approach, and document decisions and limitations.

[pmi-agile-delivery](#)

Project governance with clear roles and stages

Project governance with clear roles and stages: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

Audience

Project, product, process and IT service teams, plus specialists working between business and technology.

Prerequisites

Foundational IT knowledge and some practical exposure to the subject. Specific prerequisites depend on the learning goal.

Duration

Indicative range: 2 to 4 learning days, depending on prior experience, desired depth and practical scope. Duration is set only after discussing requirements.

Agenda

- Clarify outcomes, stakeholders, roles and decision boundaries: Project governance with clear roles and stages
- Structure requirements, work packages or the backlog transparently: Project governance with clear roles and stages
- Apply planning and collaboration to a case scenario: Project governance with clear roles and stages
- Make risks, dependencies and progress visible: Project governance with clear roles and stages
- Run a retrospective and agree specific improvements: Project governance with clear roles and stages

Learning outcome

Practical exercise: analyze a bounded scenario in "Project governance with clear roles and stages", implement or outline a suitable approach, and document decisions and limitations.

[prince2-project-governance](#)

Scrum collaboration and team facilitation

Scrum collaboration and team facilitation: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

Audience

Project, product, process and IT service teams, plus specialists working between business and technology.

Prerequisites

No formal prerequisite. Basic computer skills and an interest in the subject are helpful.

Duration

Indicative range: 2 to 4 learning days, depending on prior experience, desired depth and practical scope. Duration is set only after discussing requirements.

Agenda

- Clarify outcomes, stakeholders, roles and decision boundaries: Scrum collaboration and team facilitation
- Structure requirements, work packages or the backlog transparently: Scrum collaboration and team facilitation
- Apply planning and collaboration to a case scenario: Scrum collaboration and team facilitation
- Make risks, dependencies and progress visible: Scrum collaboration and team facilitation
- Run a retrospective and agree specific improvements: Scrum collaboration and team facilitation

Learning outcome

Practical exercise: analyze a bounded scenario in “Scrum collaboration and team facilitation”, implement or outline a suitable approach, and document decisions and limitations.

[scrum-team-facilitation](#)

Product ownership and backlog decisions

Product ownership and backlog decisions: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

Audience

Project, product, process and IT service teams, plus specialists working between business and technology.

Prerequisites

Foundational IT knowledge and some practical exposure to the subject. Specific prerequisites depend on the learning goal.

Duration

Indicative range: 2 to 4 learning days, depending on prior experience, desired depth and practical scope. Duration is set only after discussing requirements.

Agenda

- Clarify outcomes, stakeholders, roles and decision boundaries: Product ownership and backlog decisions
- Structure requirements, work packages or the backlog transparently: Product ownership and backlog decisions
- Apply planning and collaboration to a case scenario: Product ownership and backlog decisions
- Make risks, dependencies and progress visible: Product ownership and backlog decisions
- Run a retrospective and agree specific improvements: Product ownership and backlog decisions

Learning outcome

Practical exercise: analyze a bounded scenario in "Product ownership and backlog decisions", implement or outline a suitable approach, and document decisions and limitations.

[scrum-product-ownership](#)

Eliciting and documenting requirements

Eliciting and documenting requirements: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

Audience

Project, product, process and IT service teams, plus specialists working between business and technology.

Prerequisites

Foundational IT knowledge and some practical exposure to the subject. Specific prerequisites depend on the learning goal.

Duration

Indicative range: 2 to 4 learning days, depending on prior experience, desired depth and practical scope. Duration is set only after discussing requirements.

Agenda

- Clarify outcomes, stakeholders, roles and decision boundaries: Eliciting and documenting requirements
- Structure requirements, work packages or the backlog transparently: Eliciting and documenting requirements
- Apply planning and collaboration to a case scenario: Eliciting and documenting requirements
- Make risks, dependencies and progress visible: Eliciting and documenting requirements
- Run a retrospective and agree specific improvements: Eliciting and documenting requirements

Learning outcome

Practical exercise: analyze a bounded scenario in "Eliciting and documenting requirements", implement or outline a suitable approach, and document decisions and limitations.

[business-analysis-requirements](#)

Analyzing and improving business processes

Analyzing and improving business processes: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

Audience

Project, product, process and IT service teams, plus specialists working between business and technology.

Prerequisites

Foundational IT knowledge and some practical exposure to the subject. Specific prerequisites depend on the learning goal.

Duration

Indicative range: 2 to 4 learning days, depending on prior experience, desired depth and practical scope. Duration is set only after discussing requirements.

Agenda

- Clarify outcomes, stakeholders, roles and decision boundaries: Analyzing and improving business processes
- Structure requirements, work packages or the backlog transparently: Analyzing and improving business processes
- Apply planning and collaboration to a case scenario: Analyzing and improving business processes
- Make risks, dependencies and progress visible: Analyzing and improving business processes
- Run a retrospective and agree specific improvements: Analyzing and improving business processes

Learning outcome

Practical exercise: analyze a bounded scenario in “Analyzing and improving business processes”, implement or outline a suitable approach, and document decisions and limitations.

[business-analysis-process](#)

Administering Oracle databases

Administering Oracle databases: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

Audience

Data, analytics, development and operations teams working with data products or databases.

Prerequisites

Foundational IT knowledge and some practical exposure to the subject. Specific prerequisites depend on the learning goal.

Duration

Indicative range: 2 to 4 learning days, depending on prior experience, desired depth and practical scope. Duration is set only after discussing requirements.

Agenda

- Define the data question, sources and quality criteria: Administering Oracle databases
- Design the data model, storage and access patterns: Administering Oracle databases
- Prepare, query or process the data: Administering Oracle databases
- Validate quality, performance, security and traceability: Administering Oracle databases
- Explain the result and document a repeatable workflow: Administering Oracle databases

Learning outcome

Practical exercise: analyze a bounded scenario in "Administering Oracle databases", implement or outline a suitable approach, and document decisions and limitations.

[oracle-database-admin](#)

Optimizing SQL queries and database performance

Optimizing SQL queries and database performance: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

Audience

Data, analytics, development and operations teams working with data products or databases.

Prerequisites

Foundational IT knowledge and some practical exposure to the subject. Specific prerequisites depend on the learning goal.

Duration

Indicative range: 2 to 4 learning days, depending on prior experience, desired depth and practical scope. Duration is set only after discussing requirements.

Agenda

- Define the data question, sources and quality criteria: Optimizing SQL queries and database performance
- Design the data model, storage and access patterns: Optimizing SQL queries and database performance
- Prepare, query or process the data: Optimizing SQL queries and database performance
- Validate quality, performance, security and traceability: Optimizing SQL queries and database performance
- Explain the result and document a repeatable workflow: Optimizing SQL queries and database performance

Learning outcome

Practical exercise: analyze a bounded scenario in "Optimizing SQL queries and database performance", implement or outline a suitable approach, and document decisions and limitations.

[oracle-sql-performance](#)

Database services in Oracle Cloud

Database services in Oracle Cloud: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

Audience

Data, analytics, development and operations teams working with data products or databases.

Prerequisites

Foundational IT knowledge and some practical exposure to the subject. Specific prerequisites depend on the learning goal.

Duration

Indicative range: 2 to 4 learning days, depending on prior experience, desired depth and practical scope. Duration is set only after discussing requirements.

Agenda

- Define the data question, sources and quality criteria: Database services in Oracle Cloud
- Design the data model, storage and access patterns: Database services in Oracle Cloud
- Prepare, query or process the data: Database services in Oracle Cloud
- Validate quality, performance, security and traceability: Database services in Oracle Cloud
- Explain the result and document a repeatable workflow: Database services in Oracle Cloud

Learning outcome

Practical exercise: analyze a bounded scenario in "Database services in Oracle Cloud", implement or outline a suitable approach, and document decisions and limitations.

[oracle-cloud-database](#)

Administering and monitoring PostgreSQL

Administering and monitoring PostgreSQL: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

Audience

Data, analytics, development and operations teams working with data products or databases.

Prerequisites

Foundational IT knowledge and some practical exposure to the subject. Specific prerequisites depend on the learning goal.

Duration

Indicative range: 2 to 4 learning days, depending on prior experience, desired depth and practical scope. Duration is set only after discussing requirements.

Agenda

- Define the data question, sources and quality criteria: Administering and monitoring PostgreSQL
- Design the data model, storage and access patterns: Administering and monitoring PostgreSQL
- Prepare, query or process the data: Administering and monitoring PostgreSQL
- Validate quality, performance, security and traceability: Administering and monitoring PostgreSQL
- Explain the result and document a repeatable workflow: Administering and monitoring PostgreSQL

Learning outcome

Practical exercise: analyze a bounded scenario in “Administering and monitoring PostgreSQL”, implement or outline a suitable approach, and document decisions and limitations.

[postgresql-admin](#)

PostgreSQL performance and query plans

PostgreSQL performance and query plans: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

Audience

Data, analytics, development and operations teams working with data products or databases.

Prerequisites

Foundational IT knowledge and some practical exposure to the subject. Specific prerequisites depend on the learning goal.

Duration

Indicative range: 2 to 4 learning days, depending on prior experience, desired depth and practical scope. Duration is set only after discussing requirements.

Agenda

- Define the data question, sources and quality criteria: PostgreSQL performance and query plans
- Design the data model, storage and access patterns: PostgreSQL performance and query plans
- Prepare, query or process the data: PostgreSQL performance and query plans
- Validate quality, performance, security and traceability: PostgreSQL performance and query plans
- Explain the result and document a repeatable workflow: PostgreSQL performance and query plans

Learning outcome

Practical exercise: analyze a bounded scenario in "PostgreSQL performance and query plans", implement or outline a suitable approach, and document decisions and limitations.

[postgresql-performance](#)

Developing applications with MySQL databases

Developing applications with MySQL databases: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

Audience

Data, analytics, development and operations teams working with data products or databases.

Prerequisites

Foundational IT knowledge and some practical exposure to the subject. Specific prerequisites depend on the learning goal.

Duration

Indicative range: 2 to 4 learning days, depending on prior experience, desired depth and practical scope. Duration is set only after discussing requirements.

Agenda

- Define the data question, sources and quality criteria: Developing applications with MySQL databases
- Design the data model, storage and access patterns: Developing applications with MySQL databases
- Prepare, query or process the data: Developing applications with MySQL databases
- Validate quality, performance, security and traceability: Developing applications with MySQL databases
- Explain the result and document a repeatable workflow: Developing applications with MySQL databases

Learning outcome

Practical exercise: analyze a bounded scenario in “Developing applications with MySQL databases”, implement or outline a suitable approach, and document decisions and limitations.

[mysql-development](#)

Operating and securing MySQL databases

Operating and securing MySQL databases: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

Audience

Data, analytics, development and operations teams working with data products or databases.

Prerequisites

Foundational IT knowledge and some practical exposure to the subject. Specific prerequisites depend on the learning goal.

Duration

Indicative range: 2 to 4 learning days, depending on prior experience, desired depth and practical scope. Duration is set only after discussing requirements.

Agenda

- Define the data question, sources and quality criteria: Operating and securing MySQL databases
- Design the data model, storage and access patterns: Operating and securing MySQL databases
- Prepare, query or process the data: Operating and securing MySQL databases
- Validate quality, performance, security and traceability: Operating and securing MySQL databases
- Explain the result and document a repeatable workflow: Operating and securing MySQL databases

Learning outcome

Practical exercise: analyze a bounded scenario in “Operating and securing MySQL databases”, implement or outline a suitable approach, and document decisions and limitations.

[mysql-admin](#)

Modeling document data with MongoDB

Modeling document data with MongoDB: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

Audience

Data, analytics, development and operations teams working with data products or databases.

Prerequisites

Foundational IT knowledge and some practical exposure to the subject. Specific prerequisites depend on the learning goal.

Duration

Indicative range: 2 to 4 learning days, depending on prior experience, desired depth and practical scope. Duration is set only after discussing requirements.

Agenda

- Define the data question, sources and quality criteria: Modeling document data with MongoDB
- Design the data model, storage and access patterns: Modeling document data with MongoDB
- Prepare, query or process the data: Modeling document data with MongoDB
- Validate quality, performance, security and traceability: Modeling document data with MongoDB
- Explain the result and document a repeatable workflow: Modeling document data with MongoDB

Learning outcome

Practical exercise: analyze a bounded scenario in “Modeling document data with MongoDB”, implement or outline a suitable approach, and document decisions and limitations.

[mongodb-data-modeling](#)

Operating and monitoring MongoDB clusters

Operating and monitoring MongoDB clusters: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

Audience

Data, analytics, development and operations teams working with data products or databases.

Prerequisites

Foundational IT knowledge and some practical exposure to the subject. Specific prerequisites depend on the learning goal.

Duration

Indicative range: 2 to 4 learning days, depending on prior experience, desired depth and practical scope. Duration is set only after discussing requirements.

Agenda

- Define the data question, sources and quality criteria: Operating and monitoring MongoDB clusters
- Design the data model, storage and access patterns: Operating and monitoring MongoDB clusters
- Prepare, query or process the data: Operating and monitoring MongoDB clusters
- Validate quality, performance, security and traceability: Operating and monitoring MongoDB clusters
- Explain the result and document a repeatable workflow: Operating and monitoring MongoDB clusters

Learning outcome

Practical exercise: analyze a bounded scenario in “Operating and monitoring MongoDB clusters”, implement or outline a suitable approach, and document decisions and limitations.

[mongodb-operations](#)

SQL for data analysis and reporting

SQL for data analysis and reporting: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

Audience

Data, analytics, development and operations teams working with data products or databases.

Prerequisites

No formal prerequisite. Basic computer skills and an interest in the subject are helpful.

Duration

Indicative range: 2 to 4 learning days, depending on prior experience, desired depth and practical scope. Duration is set only after discussing requirements.

Agenda

- Define the data question, sources and quality criteria: SQL for data analysis and reporting
- Design the data model, storage and access patterns: SQL for data analysis and reporting
- Prepare, query or process the data: SQL for data analysis and reporting
- Validate quality, performance, security and traceability: SQL for data analysis and reporting
- Explain the result and document a repeatable workflow: SQL for data analysis and reporting

Learning outcome

Practical exercise: analyze a bounded scenario in "SQL for data analysis and reporting", implement or outline a suitable approach, and document decisions and limitations.

[sql-data-engineering](#)

Planning and operating virtualization environments

Planning and operating virtualization environments: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

Audience

Cloud, infrastructure and platform teams, plus technical decision makers working with the topic.

Prerequisites

Foundational IT knowledge and some practical exposure to the subject. Specific prerequisites depend on the learning goal.

Duration

Indicative range: 2 to 4 learning days, depending on prior experience, desired depth and practical scope. Duration is set only after discussing requirements.

Agenda

- Frame requirements, the responsibility model and target architecture: Planning and operating virtualization environments
- Plan identity, networking and core services: Planning and operating virtualization environments
- Configure resources for a realistic scenario: Planning and operating virtualization environments
- Assess operations, cost, security and resilience: Planning and operating virtualization environments
- Document the architecture decision and next implementation steps: Planning and operating virtualization environments

Learning outcome

Practical exercise: analyze a bounded scenario in “Planning and operating virtualization environments”, implement or outline a suitable approach, and document decisions and limitations.

[vmware-virtualization](#)

Operations and troubleshooting in vSphere environments

Operations and troubleshooting in vSphere environments: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

Audience

Cloud, infrastructure and platform teams, plus technical decision makers working with the topic.

Prerequisites

Foundational IT knowledge and some practical exposure to the subject. Specific prerequisites depend on the learning goal.

Duration

Indicative range: 2 to 4 learning days, depending on prior experience, desired depth and practical scope. Duration is set only after discussing requirements.

Agenda

- Frame requirements, the responsibility model and target architecture: Operations and troubleshooting in vSphere environments
- Plan identity, networking and core services: Operations and troubleshooting in vSphere environments
- Configure resources for a realistic scenario: Operations and troubleshooting in vSphere environments
- Assess operations, cost, security and resilience: Operations and troubleshooting in vSphere environments
- Document the architecture decision and next implementation steps: Operations and troubleshooting in vSphere environments

Learning outcome

Practical exercise: analyze a bounded scenario in “Operations and troubleshooting in vSphere environments”, implement or outline a suitable approach, and document decisions and limitations.

[vmware-vsphere-operations](#)

Delivering virtual apps and desktops

Delivering virtual apps and desktops: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

Audience

Cloud, infrastructure and platform teams, plus technical decision makers working with the topic.

Prerequisites

Foundational IT knowledge and some practical exposure to the subject. Specific prerequisites depend on the learning goal.

Duration

Indicative range: 2 to 4 learning days, depending on prior experience, desired depth and practical scope. Duration is set only after discussing requirements.

Agenda

- Frame requirements, the responsibility model and target architecture: Delivering virtual apps and desktops
- Plan identity, networking and core services: Delivering virtual apps and desktops
- Configure resources for a realistic scenario: Delivering virtual apps and desktops
- Assess operations, cost, security and resilience: Delivering virtual apps and desktops
- Document the architecture decision and next implementation steps: Delivering virtual apps and desktops

Learning outcome

Practical exercise: analyze a bounded scenario in "Delivering virtual apps and desktops", implement or outline a suitable approach, and document decisions and limitations.

[citrix-virtual-apps](#)

Application access with Citrix networking

Application access with Citrix networking: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

Audience

Networking, infrastructure and support teams that plan, operate or troubleshoot connectivity.

Prerequisites

Foundational IT knowledge and some practical exposure to the subject. Specific prerequisites depend on the learning goal.

Duration

Indicative range: 2 to 4 learning days, depending on prior experience, desired depth and practical scope. Duration is set only after discussing requirements.

Agenda

- Frame the network protocols, topology and requirements: Application access with Citrix networking
- Design addressing, segmentation and traffic paths: Application access with Citrix networking
- Configure devices or services for the lab scenario: Application access with Citrix networking
- Validate connectivity, performance and security boundaries: Application access with Citrix networking
- Troubleshoot systematically and document operational knowledge: Application access with Citrix networking

Learning outcome

Practical exercise: analyze a bounded scenario in "Application access with Citrix networking", implement or outline a suitable approach, and document decisions and limitations.

[citrix-networking](#)

Backup and recovery with Veeam

Backup and recovery with Veeam: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

Audience

Cloud, infrastructure and platform teams, plus technical decision makers working with the topic.

Prerequisites

Foundational IT knowledge and some practical exposure to the subject. Specific prerequisites depend on the learning goal.

Duration

Indicative range: 2 to 4 learning days, depending on prior experience, desired depth and practical scope. Duration is set only after discussing requirements.

Agenda

- Frame requirements, the responsibility model and target architecture: Backup and recovery with Veeam
- Plan identity, networking and core services: Backup and recovery with Veeam
- Configure resources for a realistic scenario: Backup and recovery with Veeam
- Assess operations, cost, security and resilience: Backup and recovery with Veeam
- Document the architecture decision and next implementation steps: Backup and recovery with Veeam

Learning outcome

Practical exercise: analyze a bounded scenario in "Backup and recovery with Veeam", implement or outline a suitable approach, and document decisions and limitations.

[veeam-backup-recovery](#)

Recovery after ransomware incidents

Recovery after ransomware incidents: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

Audience

Security, operations and infrastructure teams, plus people responsible for risk, compliance or secure development.

Prerequisites

Foundational IT knowledge and some practical exposure to the subject. Specific prerequisites depend on the learning goal.

Duration

Indicative range: 2 to 4 learning days, depending on prior experience, desired depth and practical scope. Duration is set only after discussing requirements.

Agenda

- Identify protection needs, attack surfaces and relevant threats: Recovery after ransomware incidents
- Structure identity, data and technical controls: Recovery after ransomware incidents
- Apply controls in a bounded scenario: Recovery after ransomware incidents
- Work through detection, response and evidence collection: Recovery after ransomware incidents
- Prioritise risks and formulate an actionable improvement plan: Recovery after ransomware incidents

Learning outcome

Practical exercise: analyze a bounded scenario in "Recovery after ransomware incidents", implement or outline a suitable approach, and document decisions and limitations.

[veeam-ransomware-recovery](#)

Configuring and administering the ServiceNow platform

Configuring and administering the ServiceNow platform: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

Audience

Project, product, process and IT service teams, plus specialists working between business and technology.

Prerequisites

Foundational IT knowledge and some practical exposure to the subject. Specific prerequisites depend on the learning goal.

Duration

Indicative range: 2 to 4 learning days, depending on prior experience, desired depth and practical scope. Duration is set only after discussing requirements.

Agenda

- Clarify outcomes, stakeholders, roles and decision boundaries: Configuring and administering the ServiceNow platform
- Structure requirements, work packages or the backlog transparently: Configuring and administering the ServiceNow platform
- Apply planning and collaboration to a case scenario: Configuring and administering the ServiceNow platform
- Make risks, dependencies and progress visible: Configuring and administering the ServiceNow platform
- Run a retrospective and agree specific improvements: Configuring and administering the ServiceNow platform

Learning outcome

Practical exercise: analyze a bounded scenario in “Configuring and administering the ServiceNow platform”, implement or outline a suitable approach, and document decisions and limitations.

[servicenow-platform-admin](#)

Designing digital workflows with ServiceNow

Designing digital workflows with ServiceNow: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

Audience

Project, product, process and IT service teams, plus specialists working between business and technology.

Prerequisites

Foundational IT knowledge and some practical exposure to the subject. Specific prerequisites depend on the learning goal.

Duration

Indicative range: 2 to 4 learning days, depending on prior experience, desired depth and practical scope. Duration is set only after discussing requirements.

Agenda

- Clarify outcomes, stakeholders, roles and decision boundaries: Designing digital workflows with ServiceNow
- Structure requirements, work packages or the backlog transparently: Designing digital workflows with ServiceNow
- Apply planning and collaboration to a case scenario: Designing digital workflows with ServiceNow
- Make risks, dependencies and progress visible: Designing digital workflows with ServiceNow
- Run a retrospective and agree specific improvements: Designing digital workflows with ServiceNow

Learning outcome

Practical exercise: analyze a bounded scenario in “Designing digital workflows with ServiceNow”, implement or outline a suitable approach, and document decisions and limitations.

[servicenow-workflows](#)

Managing Salesforce data and business processes

Managing Salesforce data and business processes: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

Audience

Project, product, process and IT service teams, plus specialists working between business and technology.

Prerequisites

Foundational IT knowledge and some practical exposure to the subject. Specific prerequisites depend on the learning goal.

Duration

Indicative range: 2 to 4 learning days, depending on prior experience, desired depth and practical scope. Duration is set only after discussing requirements.

Agenda

- Clarify outcomes, stakeholders, roles and decision boundaries: Managing Salesforce data and business processes
- Structure requirements, work packages or the backlog transparently: Managing Salesforce data and business processes
- Apply planning and collaboration to a case scenario: Managing Salesforce data and business processes
- Make risks, dependencies and progress visible: Managing Salesforce data and business processes
- Run a retrospective and agree specific improvements: Managing Salesforce data and business processes

Learning outcome

Practical exercise: analyze a bounded scenario in “Managing Salesforce data and business processes”, implement or outline a suitable approach, and document decisions and limitations.

[salesforce-admin](#)

Developing extensions for Salesforce applications

Developing extensions for Salesforce applications: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

Audience

Developers, technical career changers and product teams working on practical software tasks.

Prerequisites

Foundational IT knowledge and some practical exposure to the subject. Specific prerequisites depend on the learning goal.

Duration

Indicative range: 2 to 4 learning days, depending on prior experience, desired depth and practical scope. Duration is set only after discussing requirements.

Agenda

- Prepare the tools, runtime and project structure: Developing extensions for Salesforce applications
- Apply core concepts through focused examples: Developing extensions for Salesforce applications
- Develop a bounded feature or interface: Developing extensions for Salesforce applications
- Integrate tests, debugging and security considerations: Developing extensions for Salesforce applications
- Review and document the code, then plan the next increment: Developing extensions for Salesforce applications

Learning outcome

Practical exercise: analyze a bounded scenario in “Developing extensions for Salesforce applications”, implement or outline a suitable approach, and document decisions and limitations.

[salesforce-development](#)

Understanding business processes in SAP S/4HANA

Understanding business processes in SAP S/4HANA: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

Audience

Project, product, process and IT service teams, plus specialists working between business and technology.

Prerequisites

No formal prerequisite. Basic computer skills and an interest in the subject are helpful.

Duration

Indicative range: 2 to 4 learning days, depending on prior experience, desired depth and practical scope. Duration is set only after discussing requirements.

Agenda

- Clarify outcomes, stakeholders, roles and decision boundaries: Understanding business processes in SAP S/4HANA
- Structure requirements, work packages or the backlog transparently: Understanding business processes in SAP S/4HANA
- Apply planning and collaboration to a case scenario: Understanding business processes in SAP S/4HANA
- Make risks, dependencies and progress visible: Understanding business processes in SAP S/4HANA
- Run a retrospective and agree specific improvements: Understanding business processes in SAP S/4HANA

Learning outcome

Practical exercise: analyze a bounded scenario in "Understanding business processes in SAP S/4HANA", implement or outline a suitable approach, and document decisions and limitations.

[sap-s4hana-overview](#)

Reporting and planning with SAP Analytics Cloud

Reporting and planning with SAP Analytics Cloud: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

Audience

Data, analytics, development and operations teams working with data products or databases.

Prerequisites

Foundational IT knowledge and some practical exposure to the subject. Specific prerequisites depend on the learning goal.

Duration

Indicative range: 2 to 4 learning days, depending on prior experience, desired depth and practical scope. Duration is set only after discussing requirements.

Agenda

- Define the data question, sources and quality criteria: Reporting and planning with SAP Analytics Cloud
- Design the data model, storage and access patterns: Reporting and planning with SAP Analytics Cloud
- Prepare, query or process the data: Reporting and planning with SAP Analytics Cloud
- Validate quality, performance, security and traceability: Reporting and planning with SAP Analytics Cloud
- Explain the result and document a repeatable workflow: Reporting and planning with SAP Analytics Cloud

Learning outcome

Practical exercise: analyze a bounded scenario in “Reporting and planning with SAP Analytics Cloud”, implement or outline a suitable approach, and document decisions and limitations.

[sap-analytics-cloud](#)

Application development with ABAP

Application development with ABAP: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

Audience

Developers, technical career changers and product teams working on practical software tasks.

Prerequisites

Foundational IT knowledge and some practical exposure to the subject. Specific prerequisites depend on the learning goal.

Duration

Indicative range: 2 to 4 learning days, depending on prior experience, desired depth and practical scope. Duration is set only after discussing requirements.

Agenda

- Prepare the tools, runtime and project structure: Application development with ABAP
- Apply core concepts through focused examples: Application development with ABAP
- Develop a bounded feature or interface: Application development with ABAP
- Integrate tests, debugging and security considerations: Application development with ABAP
- Review and document the code, then plan the next increment: Application development with ABAP

Learning outcome

Practical exercise: analyze a bounded scenario in “Application development with ABAP”, implement or outline a suitable approach, and document decisions and limitations.

[sap-abap-development](#)

Python for automation and data tasks

Python for automation and data tasks: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

Audience

Developers, technical career changers and product teams working on practical software tasks.

Prerequisites

No formal prerequisite. Basic computer skills and an interest in the subject are helpful.

Duration

Indicative range: 2 to 4 learning days, depending on prior experience, desired depth and practical scope. Duration is set only after discussing requirements.

Agenda

- Prepare the tools, runtime and project structure: Python for automation and data tasks
- Apply core concepts through focused examples: Python for automation and data tasks
- Develop a bounded feature or interface: Python for automation and data tasks
- Integrate tests, debugging and security considerations: Python for automation and data tasks
- Review and document the code, then plan the next increment: Python for automation and data tasks

Learning outcome

Practical exercise: analyze a bounded scenario in "Python for automation and data tasks", implement or outline a suitable approach, and document decisions and limitations.

[python-programming](#)

Java applications for enterprise systems

Java applications for enterprise systems: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

Audience

Developers, technical career changers and product teams working on practical software tasks.

Prerequisites

Foundational IT knowledge and some practical exposure to the subject. Specific prerequisites depend on the learning goal.

Duration

Indicative range: 2 to 4 learning days, depending on prior experience, desired depth and practical scope. Duration is set only after discussing requirements.

Agenda

- Prepare the tools, runtime and project structure: Java applications for enterprise systems
- Apply core concepts through focused examples: Java applications for enterprise systems
- Develop a bounded feature or interface: Java applications for enterprise systems
- Integrate tests, debugging and security considerations: Java applications for enterprise systems
- Review and document the code, then plan the next increment: Java applications for enterprise systems

Learning outcome

Practical exercise: analyze a bounded scenario in “Java applications for enterprise systems”, implement or outline a suitable approach, and document decisions and limitations.

[java-enterprise-development](#)

Building modern JavaScript applications

Building modern JavaScript applications: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

Audience

Developers, technical career changers and product teams working on practical software tasks.

Prerequisites

Foundational IT knowledge and some practical exposure to the subject. Specific prerequisites depend on the learning goal.

Duration

Indicative range: 2 to 4 learning days, depending on prior experience, desired depth and practical scope. Duration is set only after discussing requirements.

Agenda

- Prepare the tools, runtime and project structure: Building modern JavaScript applications
- Apply core concepts through focused examples: Building modern JavaScript applications
- Develop a bounded feature or interface: Building modern JavaScript applications
- Integrate tests, debugging and security considerations: Building modern JavaScript applications
- Review and document the code, then plan the next increment: Building modern JavaScript applications

Learning outcome

Practical exercise: analyze a bounded scenario in “Building modern JavaScript applications”, implement or outline a suitable approach, and document decisions and limitations.

[javascript-modern](#)

Type-safe applications with TypeScript

Type-safe applications with TypeScript: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

Audience

Developers, technical career changers and product teams working on practical software tasks.

Prerequisites

Foundational IT knowledge and some practical exposure to the subject. Specific prerequisites depend on the learning goal.

Duration

Indicative range: 2 to 4 learning days, depending on prior experience, desired depth and practical scope. Duration is set only after discussing requirements.

Agenda

- Prepare the tools, runtime and project structure: Type-safe applications with TypeScript
- Apply core concepts through focused examples: Type-safe applications with TypeScript
- Develop a bounded feature or interface: Type-safe applications with TypeScript
- Integrate tests, debugging and security considerations: Type-safe applications with TypeScript
- Review and document the code, then plan the next increment: Type-safe applications with TypeScript

Learning outcome

Practical exercise: analyze a bounded scenario in "Type-safe applications with TypeScript", implement or outline a suitable approach, and document decisions and limitations.

[typescript-application-design](#)

Developing applications with .NET

Developing applications with .NET: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

Audience

Developers, technical career changers and product teams working on practical software tasks.

Prerequisites

Foundational IT knowledge and some practical exposure to the subject. Specific prerequisites depend on the learning goal.

Duration

Indicative range: 2 to 4 learning days, depending on prior experience, desired depth and practical scope. Duration is set only after discussing requirements.

Agenda

- Prepare the tools, runtime and project structure: Developing applications with .NET
- Apply core concepts through focused examples: Developing applications with .NET
- Develop a bounded feature or interface: Developing applications with .NET
- Integrate tests, debugging and security considerations: Developing applications with .NET
- Review and document the code, then plan the next increment: Developing applications with .NET

Learning outcome

Practical exercise: analyze a bounded scenario in “Developing applications with .NET”, implement or outline a suitable approach, and document decisions and limitations.

[dotnet-development](#)

Designing, documenting and versioning APIs

Designing, documenting and versioning APIs: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

Audience

Developers, technical career changers and product teams working on practical software tasks.

Prerequisites

Foundational IT knowledge and some practical exposure to the subject. Specific prerequisites depend on the learning goal.

Duration

Indicative range: 2 to 4 learning days, depending on prior experience, desired depth and practical scope. Duration is set only after discussing requirements.

Agenda

- Prepare the tools, runtime and project structure: Designing, documenting and versioning APIs
- Apply core concepts through focused examples: Designing, documenting and versioning APIs
- Develop a bounded feature or interface: Designing, documenting and versioning APIs
- Integrate tests, debugging and security considerations: Designing, documenting and versioning APIs
- Review and document the code, then plan the next increment: Designing, documenting and versioning APIs

Learning outcome

Practical exercise: analyze a bounded scenario in "Designing, documenting and versioning APIs", implement or outline a suitable approach, and document decisions and limitations.

[api-design](#)

Planning effective software tests

Planning effective software tests: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

Audience

Developers, technical career changers and product teams working on practical software tasks.

Prerequisites

No formal prerequisite. Basic computer skills and an interest in the subject are helpful.

Duration

Indicative range: 2 to 4 learning days, depending on prior experience, desired depth and practical scope. Duration is set only after discussing requirements.

Agenda

- Prepare the tools, runtime and project structure: Planning effective software tests
- Apply core concepts through focused examples: Planning effective software tests
- Develop a bounded feature or interface: Planning effective software tests
- Integrate tests, debugging and security considerations: Planning effective software tests
- Review and document the code, then plan the next increment: Planning effective software tests

Learning outcome

Practical exercise: analyze a bounded scenario in "Planning effective software tests", implement or outline a suitable approach, and document decisions and limitations.

[software-testing-foundations](#)

Web testing with browser automation

Web testing with browser automation: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

Audience

Developers, technical career changers and product teams working on practical software tasks.

Prerequisites

Foundational IT knowledge and some practical exposure to the subject. Specific prerequisites depend on the learning goal.

Duration

Indicative range: 2 to 4 learning days, depending on prior experience, desired depth and practical scope. Duration is set only after discussing requirements.

Agenda

- Prepare the tools, runtime and project structure: Web testing with browser automation
- Apply core concepts through focused examples: Web testing with browser automation
- Develop a bounded feature or interface: Web testing with browser automation
- Integrate tests, debugging and security considerations: Web testing with browser automation
- Review and document the code, then plan the next increment: Web testing with browser automation

Learning outcome

Practical exercise: analyze a bounded scenario in “Web testing with browser automation”, implement or outline a suitable approach, and document decisions and limitations.

[test-automation-web](#)

Integrating API tests into development workflows

Integrating API tests into development workflows: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

Audience

Developers, technical career changers and product teams working on practical software tasks.

Prerequisites

Foundational IT knowledge and some practical exposure to the subject. Specific prerequisites depend on the learning goal.

Duration

Indicative range: 2 to 4 learning days, depending on prior experience, desired depth and practical scope. Duration is set only after discussing requirements.

Agenda

- Prepare the tools, runtime and project structure: Integrating API tests into development workflows
- Apply core concepts through focused examples: Integrating API tests into development workflows
- Develop a bounded feature or interface: Integrating API tests into development workflows
- Integrate tests, debugging and security considerations: Integrating API tests into development workflows
- Review and document the code, then plan the next increment: Integrating API tests into development workflows

Learning outcome

Practical exercise: analyze a bounded scenario in “Integrating API tests into development workflows”, implement or outline a suitable approach, and document decisions and limitations.

[test-api-automation](#)

Quality engineering in agile product teams

Quality engineering in agile product teams: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

Audience

Developers, technical career changers and product teams working on practical software tasks.

Prerequisites

Foundational IT knowledge and some practical exposure to the subject. Specific prerequisites depend on the learning goal.

Duration

Indicative range: 2 to 4 learning days, depending on prior experience, desired depth and practical scope. Duration is set only after discussing requirements.

Agenda

- Prepare the tools, runtime and project structure: Quality engineering in agile product teams
- Apply core concepts through focused examples: Quality engineering in agile product teams
- Develop a bounded feature or interface: Quality engineering in agile product teams
- Integrate tests, debugging and security considerations: Quality engineering in agile product teams
- Review and document the code, then plan the next increment: Quality engineering in agile product teams

Learning outcome

Practical exercise: analyze a bounded scenario in "Quality engineering in agile product teams", implement or outline a suitable approach, and document decisions and limitations.

[quality-engineering](#)

Implementing privacy requirements in technology

Implementing privacy requirements in technology: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

Audience

Security, operations and infrastructure teams, plus people responsible for risk, compliance or secure development.

Prerequisites

Foundational IT knowledge and some practical exposure to the subject. Specific prerequisites depend on the learning goal.

Duration

Indicative range: 2 to 4 learning days, depending on prior experience, desired depth and practical scope. Duration is set only after discussing requirements.

Agenda

- Identify protection needs, attack surfaces and relevant threats: Implementing privacy requirements in technology
- Structure identity, data and technical controls: Implementing privacy requirements in technology
- Apply controls in a bounded scenario: Implementing privacy requirements in technology
- Work through detection, response and evidence collection: Implementing privacy requirements in technology
- Prioritise risks and formulate an actionable improvement plan: Implementing privacy requirements in technology

Learning outcome

Practical exercise: analyze a bounded scenario in “Implementing privacy requirements in technology”, implement or outline a suitable approach, and document decisions and limitations.

[data-privacy-engineering](#)

Microsoft Word for professional documents

Microsoft Word for professional documents: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

Audience

IT professionals, administrators, development teams or technical career changers working with the topic.

Prerequisites

No formal prerequisite. Basic computer skills and an interest in the subject are helpful.

Duration

Indicative range: 2 to 4 learning days, depending on prior experience, desired depth and practical scope. Duration is set only after discussing requirements.

Agenda

- Clarify the use case, terminology and operating context: Microsoft Word for professional documents
- Examine the architecture and core components: Microsoft Word for professional documents
- Work through a representative practical task: Microsoft Word for professional documents
- Assess operations, risks and common failure modes: Microsoft Word for professional documents
- Document findings and identify next steps: Microsoft Word for professional documents

Learning outcome

Practical exercise: analyze a bounded scenario in "Microsoft Word for professional documents", implement or outline a suitable approach, and document decisions and limitations.

[microsoft-word-business](#)

Microsoft PowerPoint for clear presentations

Microsoft PowerPoint for clear presentations: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

Audience

IT professionals, administrators, development teams or technical career changers working with the topic.

Prerequisites

No formal prerequisite. Basic computer skills and an interest in the subject are helpful.

Duration

Indicative range: 2 to 4 learning days, depending on prior experience, desired depth and practical scope. Duration is set only after discussing requirements.

Agenda

- Clarify the use case, terminology and operating context: Microsoft PowerPoint for clear presentations
- Examine the architecture and core components: Microsoft PowerPoint for clear presentations
- Work through a representative practical task: Microsoft PowerPoint for clear presentations
- Assess operations, risks and common failure modes: Microsoft PowerPoint for clear presentations
- Document findings and identify next steps: Microsoft PowerPoint for clear presentations

Learning outcome

Practical exercise: analyze a bounded scenario in "Microsoft PowerPoint for clear presentations", implement or outline a suitable approach, and document decisions and limitations.

[microsoft-powerpoint-storytelling](#)

Microsoft Outlook: email, calendar and focus

Microsoft Outlook: email, calendar and focus: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

Audience

IT professionals, administrators, development teams or technical career changers working with the topic.

Prerequisites

No formal prerequisite. Basic computer skills and an interest in the subject are helpful.

Duration

Indicative range: 2 to 4 learning days, depending on prior experience, desired depth and practical scope. Duration is set only after discussing requirements.

Agenda

- Clarify the use case, terminology and operating context: Microsoft Outlook: email, calendar and focus
- Examine the architecture and core components: Microsoft Outlook: email, calendar and focus
- Work through a representative practical task: Microsoft Outlook: email, calendar and focus
- Assess operations, risks and common failure modes: Microsoft Outlook: email, calendar and focus
- Document findings and identify next steps: Microsoft Outlook: email, calendar and focus

Learning outcome

Practical exercise: analyze a bounded scenario in “Microsoft Outlook: email, calendar and focus”, implement or outline a suitable approach, and document decisions and limitations.

[microsoft-outlook-productivity](#)

Microsoft OneNote for team knowledge

Microsoft OneNote for team knowledge: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

Audience

IT professionals, administrators, development teams or technical career changers working with the topic.

Prerequisites

No formal prerequisite. Basic computer skills and an interest in the subject are helpful.

Duration

Indicative range: 2 to 4 learning days, depending on prior experience, desired depth and practical scope. Duration is set only after discussing requirements.

Agenda

- Clarify the use case, terminology and operating context: Microsoft OneNote for team knowledge
- Examine the architecture and core components: Microsoft OneNote for team knowledge
- Work through a representative practical task: Microsoft OneNote for team knowledge
- Assess operations, risks and common failure modes: Microsoft OneNote for team knowledge
- Document findings and identify next steps: Microsoft OneNote for team knowledge

Learning outcome

Practical exercise: analyze a bounded scenario in "Microsoft OneNote for team knowledge", implement or outline a suitable approach, and document decisions and limitations.

[microsoft-onenote-knowledge](#)

Microsoft Access: databases for business teams

Microsoft Access: databases for business teams: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

Audience

IT professionals, administrators, development teams or technical career changers working with the topic.

Prerequisites

Foundational IT knowledge and some practical exposure to the subject. Specific prerequisites depend on the learning goal.

Duration

Indicative range: 2 to 4 learning days, depending on prior experience, desired depth and practical scope. Duration is set only after discussing requirements.

Agenda

- Clarify the use case, terminology and operating context: Microsoft Access: databases for business teams
- Examine the architecture and core components: Microsoft Access: databases for business teams
- Work through a representative practical task: Microsoft Access: databases for business teams
- Assess operations, risks and common failure modes: Microsoft Access: databases for business teams
- Document findings and identify next steps: Microsoft Access: databases for business teams

Learning outcome

Practical exercise: analyze a bounded scenario in "Microsoft Access: databases for business teams", implement or outline a suitable approach, and document decisions and limitations.

[microsoft-access-databases](#)

Microsoft Visio for processes and architecture

Microsoft Visio for processes and architecture: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

Audience

IT professionals, administrators, development teams or technical career changers working with the topic.

Prerequisites

No formal prerequisite. Basic computer skills and an interest in the subject are helpful.

Duration

Indicative range: 2 to 4 learning days, depending on prior experience, desired depth and practical scope. Duration is set only after discussing requirements.

Agenda

- Clarify the use case, terminology and operating context: Microsoft Visio for processes and architecture
- Examine the architecture and core components: Microsoft Visio for processes and architecture
- Work through a representative practical task: Microsoft Visio for processes and architecture
- Assess operations, risks and common failure modes: Microsoft Visio for processes and architecture
- Document findings and identify next steps: Microsoft Visio for processes and architecture

Learning outcome

Practical exercise: analyze a bounded scenario in "Microsoft Visio for processes and architecture", implement or outline a suitable approach, and document decisions and limitations.

[microsoft-visio-processes](#)

PowerShell for administration and automation

PowerShell for administration and automation: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

Audience

IT professionals, administrators, development teams or technical career changers working with the topic.

Prerequisites

Foundational IT knowledge and some practical exposure to the subject. Specific prerequisites depend on the learning goal.

Duration

Indicative range: 2 to 4 learning days, depending on prior experience, desired depth and practical scope. Duration is set only after discussing requirements.

Agenda

- Clarify the use case, terminology and operating context: PowerShell for administration and automation
- Examine the architecture and core components: PowerShell for administration and automation
- Work through a representative practical task: PowerShell for administration and automation
- Assess operations, risks and common failure modes: PowerShell for administration and automation
- Document findings and identify next steps: PowerShell for administration and automation

Learning outcome

Practical exercise: analyze a bounded scenario in "PowerShell for administration and automation", implement or outline a suitable approach, and document decisions and limitations.

[microsoft-powershell-automation](#)

Administering and securing Exchange Online

Administering and securing Exchange Online: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

Audience

IT professionals, administrators, development teams or technical career changers working with the topic.

Prerequisites

Foundational IT knowledge and some practical exposure to the subject. Specific prerequisites depend on the learning goal.

Duration

Indicative range: 2 to 4 learning days, depending on prior experience, desired depth and practical scope. Duration is set only after discussing requirements.

Agenda

- Clarify the use case, terminology and operating context: Administering and securing Exchange Online
- Examine the architecture and core components: Administering and securing Exchange Online
- Work through a representative practical task: Administering and securing Exchange Online
- Assess operations, risks and common failure modes: Administering and securing Exchange Online
- Document findings and identify next steps: Administering and securing Exchange Online

Learning outcome

Practical exercise: analyze a bounded scenario in "Administering and securing Exchange Online", implement or outline a suitable approach, and document decisions and limitations.

[microsoft-exchange-online-admin](#)

Dynamics 365 Business Central: processes and configuration

Dynamics 365 Business Central: processes and configuration: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

Audience

Project, product, process and IT service teams, plus specialists working between business and technology.

Prerequisites

Foundational IT knowledge and some practical exposure to the subject. Specific prerequisites depend on the learning goal.

Duration

Indicative range: 2 to 4 learning days, depending on prior experience, desired depth and practical scope. Duration is set only after discussing requirements.

Agenda

- Clarify outcomes, stakeholders, roles and decision boundaries: Dynamics 365 Business Central: processes and configuration
- Structure requirements, work packages or the backlog transparently: Dynamics 365 Business Central: processes and configuration
- Apply planning and collaboration to a case scenario: Dynamics 365 Business Central: processes and configuration
- Make risks, dependencies and progress visible: Dynamics 365 Business Central: processes and configuration
- Run a retrospective and agree specific improvements: Dynamics 365 Business Central: processes and configuration

Learning outcome

Practical exercise: analyze a bounded scenario in "Dynamics 365 Business Central: processes and configuration", implement or outline a suitable approach, and document decisions and limitations.

[dynamics-business-central](#)

Dynamics 365 Sales for sales processes

Dynamics 365 Sales for sales processes: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

Audience

Project, product, process and IT service teams, plus specialists working between business and technology.

Prerequisites

Foundational IT knowledge and some practical exposure to the subject. Specific prerequisites depend on the learning goal.

Duration

Indicative range: 2 to 4 learning days, depending on prior experience, desired depth and practical scope. Duration is set only after discussing requirements.

Agenda

- Clarify outcomes, stakeholders, roles and decision boundaries: Dynamics 365 Sales for sales processes
- Structure requirements, work packages or the backlog transparently: Dynamics 365 Sales for sales processes
- Apply planning and collaboration to a case scenario: Dynamics 365 Sales for sales processes
- Make risks, dependencies and progress visible: Dynamics 365 Sales for sales processes
- Run a retrospective and agree specific improvements: Dynamics 365 Sales for sales processes

Learning outcome

Practical exercise: analyze a bounded scenario in "Dynamics 365 Sales for sales processes", implement or outline a suitable approach, and document decisions and limitations.

[dynamics-sales](#)

Power Platform: apps, automation and governance

Power Platform: apps, automation and governance: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

Audience

IT professionals, administrators, development teams or technical career changers working with the topic.

Prerequisites

Foundational IT knowledge and some practical exposure to the subject. Specific prerequisites depend on the learning goal.

Duration

Indicative range: 2 to 4 learning days, depending on prior experience, desired depth and practical scope. Duration is set only after discussing requirements.

Agenda

- Clarify the use case, terminology and operating context: Power Platform: apps, automation and governance
- Examine the architecture and core components: Power Platform: apps, automation and governance
- Work through a representative practical task: Power Platform: apps, automation and governance
- Assess operations, risks and common failure modes: Power Platform: apps, automation and governance
- Document findings and identify next steps: Power Platform: apps, automation and governance

Learning outcome

Practical exercise: analyze a bounded scenario in "Power Platform: apps, automation and governance", implement or outline a suitable approach, and document decisions and limitations.

[power-platform-functional](#)

Operating Palo Alto firewalls and reviewing policy

Operating Palo Alto firewalls and reviewing policy: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

Audience

Security, operations and infrastructure teams, plus people responsible for risk, compliance or secure development.

Prerequisites

Foundational IT knowledge and some practical exposure to the subject. Specific prerequisites depend on the learning goal.

Duration

Indicative range: 2 to 4 learning days, depending on prior experience, desired depth and practical scope. Duration is set only after discussing requirements.

Agenda

- Identify protection needs, attack surfaces and relevant threats: Operating Palo Alto firewalls and reviewing policy
- Structure identity, data and technical controls: Operating Palo Alto firewalls and reviewing policy
- Apply controls in a bounded scenario: Operating Palo Alto firewalls and reviewing policy
- Work through detection, response and evidence collection: Operating Palo Alto firewalls and reviewing policy
- Prioritise risks and formulate an actionable improvement plan: Operating Palo Alto firewalls and reviewing policy

Learning outcome

Practical exercise: analyze a bounded scenario in “Operating Palo Alto firewalls and reviewing policy”, implement or outline a suitable approach, and document decisions and limitations.

[palo-alto-firewall-operations](#)

Fortinet network security and operations

Fortinet network security and operations: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

Audience

Security, operations and infrastructure teams, plus people responsible for risk, compliance or secure development.

Prerequisites

Foundational IT knowledge and some practical exposure to the subject. Specific prerequisites depend on the learning goal.

Duration

Indicative range: 2 to 4 learning days, depending on prior experience, desired depth and practical scope. Duration is set only after discussing requirements.

Agenda

- Identify protection needs, attack surfaces and relevant threats: Fortinet network security and operations
- Structure identity, data and technical controls: Fortinet network security and operations
- Apply controls in a bounded scenario: Fortinet network security and operations
- Work through detection, response and evidence collection: Fortinet network security and operations
- Prioritise risks and formulate an actionable improvement plan: Fortinet network security and operations

Learning outcome

Practical exercise: analyze a bounded scenario in "Fortinet network security and operations", implement or outline a suitable approach, and document decisions and limitations.

[fortinet-network-security](#)

Administering Check Point security gateways

Administering Check Point security gateways: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

Audience

Security, operations and infrastructure teams, plus people responsible for risk, compliance or secure development.

Prerequisites

Foundational IT knowledge and some practical exposure to the subject. Specific prerequisites depend on the learning goal.

Duration

Indicative range: 2 to 4 learning days, depending on prior experience, desired depth and practical scope. Duration is set only after discussing requirements.

Agenda

- Identify protection needs, attack surfaces and relevant threats: Administering Check Point security gateways
- Structure identity, data and technical controls: Administering Check Point security gateways
- Apply controls in a bounded scenario: Administering Check Point security gateways
- Work through detection, response and evidence collection: Administering Check Point security gateways
- Prioritise risks and formulate an actionable improvement plan: Administering Check Point security gateways

Learning outcome

Practical exercise: analyze a bounded scenario in “Administering Check Point security gateways”, implement or outline a suitable approach, and document decisions and limitations.

[checkpoint-security-gateway](#)

Security analytics and detection with Splunk

Security analytics and detection with Splunk: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

Audience

Security, operations and infrastructure teams, plus people responsible for risk, compliance or secure development.

Prerequisites

Foundational IT knowledge and some practical exposure to the subject. Specific prerequisites depend on the learning goal.

Duration

Indicative range: 2 to 4 learning days, depending on prior experience, desired depth and practical scope. Duration is set only after discussing requirements.

Agenda

- Identify protection needs, attack surfaces and relevant threats: Security analytics and detection with Splunk
- Structure identity, data and technical controls: Security analytics and detection with Splunk
- Apply controls in a bounded scenario: Security analytics and detection with Splunk
- Work through detection, response and evidence collection: Security analytics and detection with Splunk
- Prioritise risks and formulate an actionable improvement plan: Security analytics and detection with Splunk

Learning outcome

Practical exercise: analyze a bounded scenario in “Security analytics and detection with Splunk”, implement or outline a suitable approach, and document decisions and limitations.

[splunk-security-analytics](#)

Application delivery and traffic management with F5

Application delivery and traffic management with F5: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

Audience

Networking, infrastructure and support teams that plan, operate or troubleshoot connectivity.

Prerequisites

Foundational IT knowledge and some practical exposure to the subject. Specific prerequisites depend on the learning goal.

Duration

Indicative range: 2 to 4 learning days, depending on prior experience, desired depth and practical scope. Duration is set only after discussing requirements.

Agenda

- Frame the network protocols, topology and requirements: Application delivery and traffic management with F5
- Design addressing, segmentation and traffic paths: Application delivery and traffic management with F5
- Configure devices or services for the lab scenario: Application delivery and traffic management with F5
- Validate connectivity, performance and security boundaries: Application delivery and traffic management with F5
- Troubleshoot systematically and document operational knowledge: Application delivery and traffic management with F5

Learning outcome

Practical exercise: analyze a bounded scenario in “Application delivery and traffic management with F5”, implement or outline a suitable approach, and document decisions and limitations.

[f5-application-delivery](#)

Understanding enterprise AI with IBM watsonx

Understanding enterprise AI with IBM watsonx: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

Audience

IT professionals, administrators, development teams or technical career changers working with the topic.

Prerequisites

Foundational IT knowledge and some practical exposure to the subject. Specific prerequisites depend on the learning goal.

Duration

Indicative range: 2 to 4 learning days, depending on prior experience, desired depth and practical scope. Duration is set only after discussing requirements.

Agenda

- Clarify the use case, terminology and operating context: Understanding enterprise AI with IBM watsonx
- Examine the architecture and core components: Understanding enterprise AI with IBM watsonx
- Work through a representative practical task: Understanding enterprise AI with IBM watsonx
- Assess operations, risks and common failure modes: Understanding enterprise AI with IBM watsonx
- Document findings and identify next steps: Understanding enterprise AI with IBM watsonx

Learning outcome

Practical exercise: analyze a bounded scenario in “Understanding enterprise AI with IBM watsonx”, implement or outline a suitable approach, and document decisions and limitations.

[ibm-watsonx-ai](#)

AI infrastructure and GPU workloads with NVIDIA

AI infrastructure and GPU workloads with NVIDIA: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

Audience

IT professionals, administrators, development teams or technical career changers working with the topic.

Prerequisites

Foundational IT knowledge and some practical exposure to the subject. Specific prerequisites depend on the learning goal.

Duration

Indicative range: 2 to 4 learning days, depending on prior experience, desired depth and practical scope. Duration is set only after discussing requirements.

Agenda

- Clarify the use case, terminology and operating context: AI infrastructure and GPU workloads with NVIDIA
- Examine the architecture and core components: AI infrastructure and GPU workloads with NVIDIA
- Work through a representative practical task: AI infrastructure and GPU workloads with NVIDIA
- Assess operations, risks and common failure modes: AI infrastructure and GPU workloads with NVIDIA
- Document findings and identify next steps: AI infrastructure and GPU workloads with NVIDIA

Learning outcome

Practical exercise: analyze a bounded scenario in "AI infrastructure and GPU workloads with NVIDIA", implement or outline a suitable approach, and document decisions and limitations.

[nvidia-ai-infrastructure](#)

Lakehouse data platforms with Databricks

Lakehouse data platforms with Databricks: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

Audience

Data, analytics, development and operations teams working with data products or databases.

Prerequisites

Foundational IT knowledge and some practical exposure to the subject. Specific prerequisites depend on the learning goal.

Duration

Indicative range: 2 to 4 learning days, depending on prior experience, desired depth and practical scope. Duration is set only after discussing requirements.

Agenda

- Define the data question, sources and quality criteria: Lakehouse data platforms with Databricks
- Design the data model, storage and access patterns: Lakehouse data platforms with Databricks
- Prepare, query or process the data: Lakehouse data platforms with Databricks
- Validate quality, performance, security and traceability: Lakehouse data platforms with Databricks
- Explain the result and document a repeatable workflow: Lakehouse data platforms with Databricks

Learning outcome

Practical exercise: analyze a bounded scenario in "Lakehouse data platforms with Databricks", implement or outline a suitable approach, and document decisions and limitations.

[databricks-lakehouse](#)

Data platforms and analytics with Snowflake

Data platforms and analytics with Snowflake: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

Audience

Data, analytics, development and operations teams working with data products or databases.

Prerequisites

Foundational IT knowledge and some practical exposure to the subject. Specific prerequisites depend on the learning goal.

Duration

Indicative range: 2 to 4 learning days, depending on prior experience, desired depth and practical scope. Duration is set only after discussing requirements.

Agenda

- Define the data question, sources and quality criteria: Data platforms and analytics with Snowflake
- Design the data model, storage and access patterns: Data platforms and analytics with Snowflake
- Prepare, query or process the data: Data platforms and analytics with Snowflake
- Validate quality, performance, security and traceability: Data platforms and analytics with Snowflake
- Explain the result and document a repeatable workflow: Data platforms and analytics with Snowflake

Learning outcome

Practical exercise: analyze a bounded scenario in “Data platforms and analytics with Snowflake”, implement or outline a suitable approach, and document decisions and limitations.

[snowflake-data-cloud](#)

Observability and search with the Elastic Stack

Observability and search with the Elastic Stack: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

Audience

Development, platform and operations teams automating software delivery and infrastructure together.

Prerequisites

Foundational IT knowledge and some practical exposure to the subject. Specific prerequisites depend on the learning goal.

Duration

Indicative range: 2 to 4 learning days, depending on prior experience, desired depth and practical scope. Duration is set only after discussing requirements.

Agenda

- Clarify the delivery flow, platform boundaries and automation goals: Observability and search with the Elastic Stack
- Structure repositories, configuration and reusable building blocks: Observability and search with the Elastic Stack
- Automate build, test or deployment steps: Observability and search with the Elastic Stack
- Integrate observability, security and failure handling: Observability and search with the Elastic Stack
- Measure, improve and document the workflow for the team: Observability and search with the Elastic Stack

Learning outcome

Practical exercise: analyze a bounded scenario in “Observability and search with the Elastic Stack”, implement or outline a suitable approach, and document decisions and limitations.

[elastic-observability](#)

Jira and Confluence for transparent teamwork

Jira and Confluence for transparent teamwork: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

Audience

Project, product, process and IT service teams, plus specialists working between business and technology.

Prerequisites

No formal prerequisite. Basic computer skills and an interest in the subject are helpful.

Duration

Indicative range: 2 to 4 learning days, depending on prior experience, desired depth and practical scope. Duration is set only after discussing requirements.

Agenda

- Clarify outcomes, stakeholders, roles and decision boundaries: Jira and Confluence for transparent teamwork
- Structure requirements, work packages or the backlog transparently: Jira and Confluence for transparent teamwork
- Apply planning and collaboration to a case scenario: Jira and Confluence for transparent teamwork
- Make risks, dependencies and progress visible: Jira and Confluence for transparent teamwork
- Run a retrospective and agree specific improvements: Jira and Confluence for transparent teamwork

Learning outcome

Practical exercise: analyze a bounded scenario in “Jira and Confluence for transparent teamwork”, implement or outline a suitable approach, and document decisions and limitations.

[atlassian-jira-confluence](#)

Identity administration and access policies with Okta

Identity administration and access policies with Okta: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

Audience

Security, operations and infrastructure teams, plus people responsible for risk, compliance or secure development.

Prerequisites

Foundational IT knowledge and some practical exposure to the subject. Specific prerequisites depend on the learning goal.

Duration

Indicative range: 2 to 4 learning days, depending on prior experience, desired depth and practical scope. Duration is set only after discussing requirements.

Agenda

- Identify protection needs, attack surfaces and relevant threats: Identity administration and access policies with Okta
- Structure identity, data and technical controls: Identity administration and access policies with Okta
- Apply controls in a bounded scenario: Identity administration and access policies with Okta
- Work through detection, response and evidence collection: Identity administration and access policies with Okta
- Prioritise risks and formulate an actionable improvement plan: Identity administration and access policies with Okta

Learning outcome

Practical exercise: analyze a bounded scenario in "Identity administration and access policies with Okta", implement or outline a suitable approach, and document decisions and limitations.

[okta-identity-administration](#)

CI/CD and secure software delivery with GitLab

CI/CD and secure software delivery with GitLab: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

Audience

Development, platform and operations teams automating software delivery and infrastructure together.

Prerequisites

Foundational IT knowledge and some practical exposure to the subject. Specific prerequisites depend on the learning goal.

Duration

Indicative range: 2 to 4 learning days, depending on prior experience, desired depth and practical scope. Duration is set only after discussing requirements.

Agenda

- Clarify the delivery flow, platform boundaries and automation goals: CI/CD and secure software delivery with GitLab
- Structure repositories, configuration and reusable building blocks: CI/CD and secure software delivery with GitLab
- Automate build, test or deployment steps: CI/CD and secure software delivery with GitLab
- Integrate observability, security and failure handling: CI/CD and secure software delivery with GitLab
- Measure, improve and document the workflow for the team: CI/CD and secure software delivery with GitLab

Learning outcome

Practical exercise: analyze a bounded scenario in “CI/CD and secure software delivery with GitLab”, implement or outline a suitable approach, and document decisions and limitations.

[gitlab-cicd](#)

Container workflows and platform operations with Docker

Container workflows and platform operations with Docker: understand core concepts, work through representative tasks and plan how to apply them in your role. A topic for an individual training enquiry.

Audience

Development, platform and operations teams automating software delivery and infrastructure together.

Prerequisites

Foundational IT knowledge and some practical exposure to the subject. Specific prerequisites depend on the learning goal.

Duration

Indicative range: 2 to 4 learning days, depending on prior experience, desired depth and practical scope. Duration is set only after discussing requirements.

Agenda

- Clarify the delivery flow, platform boundaries and automation goals: Container workflows and platform operations with Docker
- Structure repositories, configuration and reusable building blocks: Container workflows and platform operations with Docker
- Automate build, test or deployment steps: Container workflows and platform operations with Docker
- Integrate observability, security and failure handling: Container workflows and platform operations with Docker
- Measure, improve and document the workflow for the team: Container workflows and platform operations with Docker

Learning outcome

Practical exercise: analyze a bounded scenario in “Container workflows and platform operations with Docker”, implement or outline a suitable approach, and document decisions and limitations.

[docker-platform-operations](#)

Training packages for teams

An orientation to possible training packages for businesses and universities. Content, scope and delivery are discussed individually and confirmed in a proposal.

PACKAGE 01

AI and structured workflows for IT service teams

A NextNowa planning concept for teams that want to make support knowledge easier to use and handle recurring tasks consistently. Exercises use fictional tickets and an isolated practice environment.

Audience

IT service providers, managed service teams and internal service desks

Duration

Suggested format: 2 days, adaptable into 1 to 3 modular days; scope and dates by arrangement.

Agenda

- Structure fictional support requests: explain symptoms, follow-up questions, priority and the next diagnostic step.
- Turn synthetic ticket histories into clear knowledge articles with prerequisites, checks and a fallback procedure.
- Review simple script drafts in a test directory: validate inputs, handle errors and log changes.
- Practise handovers between support and engineering: mark unresolved assumptions and define testable acceptance criteria.
- Plan a small internal pilot: choose tasks, define human review and measure effort consistently.

Planned output

Planned output: a ticket template, a sample knowledge article and a pilot plan for one selected service process.

Prerequisites

Basic IT support knowledge. Initial command-line experience is helpful for the optional scripting module. Use only approved tools and synthetic practice data.

AI workshop for teaching and university operations

This NextNowa planning concept combines teaching tasks with everyday university operations. It focuses on traceable use of sources, accessible learning materials and clear limits for automated suggestions.

Audience

Teaching staff, educational developers, programme coordinators and academic service teams

Duration

Suggested format: 2 modular days; a one-day introduction or three-day workshop can be planned by arrangement.

Agenda

- Develop measurable learning objectives, exercises and suitable feedback for a self-authored example seminar.
- Simulate a literature search: break down research questions, verify individual sources and flag unsupported claims in a draft.
- Adapt fictional teaching materials to different levels of explanation and keep terminology consistent with a glossary.
- Draft student communications using fictional cases: explain deadlines, identify responsibilities and make open questions visible.
- Design review and approval steps for your work area without using real assessment submissions or personal student data.

Planned output

Planned output: a teaching unit with exercises and feedback criteria, plus a review checklist for AI-assisted drafts.

Prerequisites

No programming experience required. A fictional teaching or administrative scenario is sufficient; institutional requirements are discussed before the workshop.

PACKAGE 03

Digital project workflows for construction companies

A NextNowa planning concept for clear documentation and organised communication in construction projects. Exercises use purpose-made sample documents and exclude engineering decisions, structural calculations and legally binding assessments.

Audience

Construction managers, project assistants, estimating staff and commercial teams

Duration

Suggested format: 1 to 2 days with an optional third day for deeper practice; modules and dates by arrangement.

Agenda

- Turn fictional site meeting notes into tasks, responsibilities, deadlines and outstanding questions.
- Compare sample supplier quotations in a table and explicitly mark missing information as unresolved.
- Create a traceable project status report and a factual client update from synthetic daily notes.
- Organise documents with a simple naming and versioning scheme; track approvals and changes in a sample project.
- Assemble a handover pack for a fictional construction project and check it for completeness.

Planned output

Planned output: templates for meeting minutes, quotation comparison and project handover, supported by a review routine.

Prerequisites

Familiarity with standard office applications. No real construction drawings, confidential quotations or customer data are needed. Subject-matter outputs require review by the responsible professionals.

PACKAGE 04

AI at work: from first draft to reviewed output

This NextNowa planning concept turns recurring office tasks into practical exercises. Teams learn to write useful instructions, review outputs and choose suitable tasks for a manageable pilot.

Audience

Office teams in small and medium-sized businesses, assistants, purchasing and customer service

Duration

Suggested format: a one-day introduction, with up to 2 additional practice days; dates by arrangement.

Agenda

- Turn an unclear sample request into an instruction with an objective, context, output format and review criteria.
- Turn fictional emails and meeting notes into courteous replies, action lists and concise summaries.
- Inspect a synthetic spreadsheet for duplicates, missing values and implausible entries; spot-check calculations.
- Develop reusable templates for two team tasks and record when a human decision is required.

Planned output

Planned output: a small team-specific template collection with quality checks and a two-week pilot plan.

Prerequisites

Basic word-processing and spreadsheet skills. No previous AI experience required; exercises use fictional business transactions only.

AI decision workshop for leaders

A NextNowa planning concept for informed decisions about AI initiatives. Using a fictional business, the team develops criteria for value, effort, risk and measurable pilot objectives instead of relying on broad product promises.

Audience

Executives, department heads and digital transformation leads

Duration

Suggested format: a one-day decision workshop; deeper practice across 2 to 3 modular days by arrangement.

Agenda

- Prioritise possible use cases by problem frequency, data requirements, consequences of errors and implementation effort.
- Build a simple business case with explicitly labelled assumptions and multiple scenarios.
- Define responsibilities for selection, review, approval and operation, then test escalation routes through a case study.
- Prepare vendor questions covering data processing, access rights, export options, recurring costs and an exit scenario.
- Draft a pilot brief with a baseline, success criteria, review dates and stop conditions.

Planned output

Planned output: a prioritised use-case matrix and a written pilot brief for internal discussion.

Prerequisites

No technical background required. A general understanding of your business processes is sufficient. The package does not include legal advice or compliance certification.

Security operations: detect, assess and respond

This NextNowa planning concept develops defensive security workflows using synthetic logs and clearly scoped tabletop exercises. Participants practise traceable assessment, safe escalation and communication without interacting with production systems.

Audience

IT security teams, administrators and incident response owners

Duration

Suggested format: 2 days; adaptable into a compact introduction or three-day modular training by arrangement.

Agenda

- Connect synthetic sign-in and system events into a timeline and separate observations from assumptions.
- Prioritise sample alerts based on evidence; document further checks and potential false positives.
- Run a tabletop exercise on suspected account access: define responsibilities, evidence preservation and approval of response actions.
- Compare AI-generated incident summaries with the synthetic source data and correct unsupported conclusions.
- Create a short post-incident review with causal hypotheses, improvement tasks and owners.

Planned output

Planned output: a triage worksheet, communication templates and a defensive response playbook for the practice scenario.

Prerequisites

Foundational knowledge of networks, identities and IT administration. Synthetic logs and isolated practice environments only; no real credentials or production systems.

Contact & enquiries

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Prices on request · Dates by arrangement

The listed entries are topics for an enquiry and are provided for orientation. Prices on request. Dates by arrangement. Content, scope and delivery are agreed individually and confirmed in a personal proposal. No accreditation, certification or availability is promised.