Microsoft

Enterprise Skills Initiative

Azure Training Journey

Table of contents

Sharpening your team's cloud skills begins here

Achieve your goals with the freedom and flexibility to build, manage, and deploy your applications anywhere. Use your preferred languages, frameworks, and infrastructure—even your own data center and other clouds—to solve challenges large and small. With help from Microsoft Azure, you have everything you need to build your next great solution, and with help from the Enterprise Skills Initiative (ESI) you have the structure and resources that empower your team as team members expand their technical skillsets.

The ESI program supports IT pros, developers, and data and artificial intelligence (AI) professionals in your organization to get the skills they need to cover all the aspects of your digital transformation—managing on-premises, hybrid, or cloud infrastructure; innovating with the best-in class applications; and supporting apps and infrastructure with data and analytics, all with the proper security considerations.
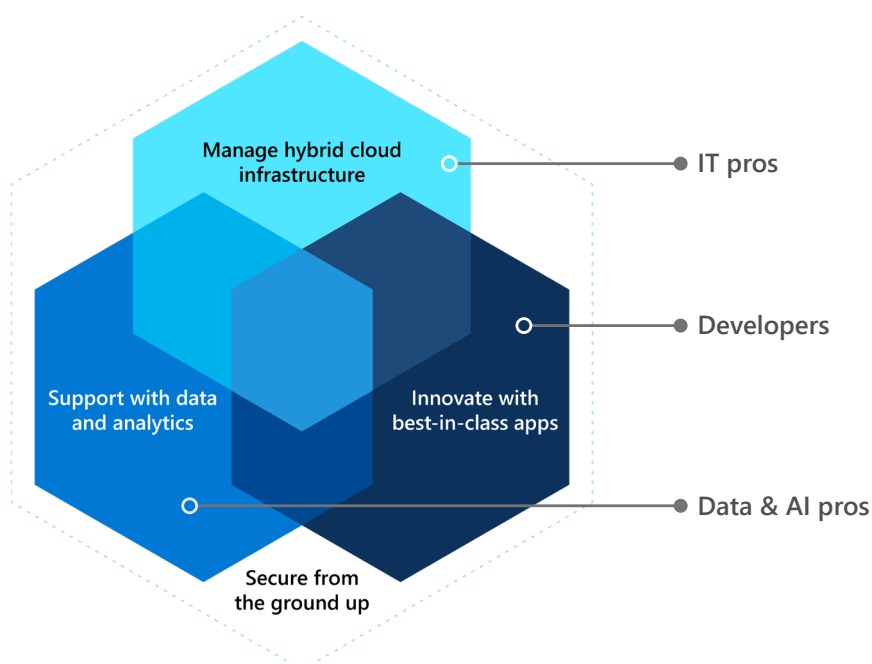
The right journey leads to long-term growth

A map for the next milestone
Use this guidebook to discover the recommended journey for your team. The following pages describe the recommended tracks learners can take to receive the maximum benefits of this program.

Master the basics and beyond
Each journey is designed to help managers and learners identify where to start and where to go based on their specific role or projects.

Everything you need in one place
After determining which journey is the right fit, find courses, training opportunities, and other important information that sets your team up for success.

⊙→ **Book courses and exam prep sessions at the Learner Experience Portal (LxP)**

Training journeys
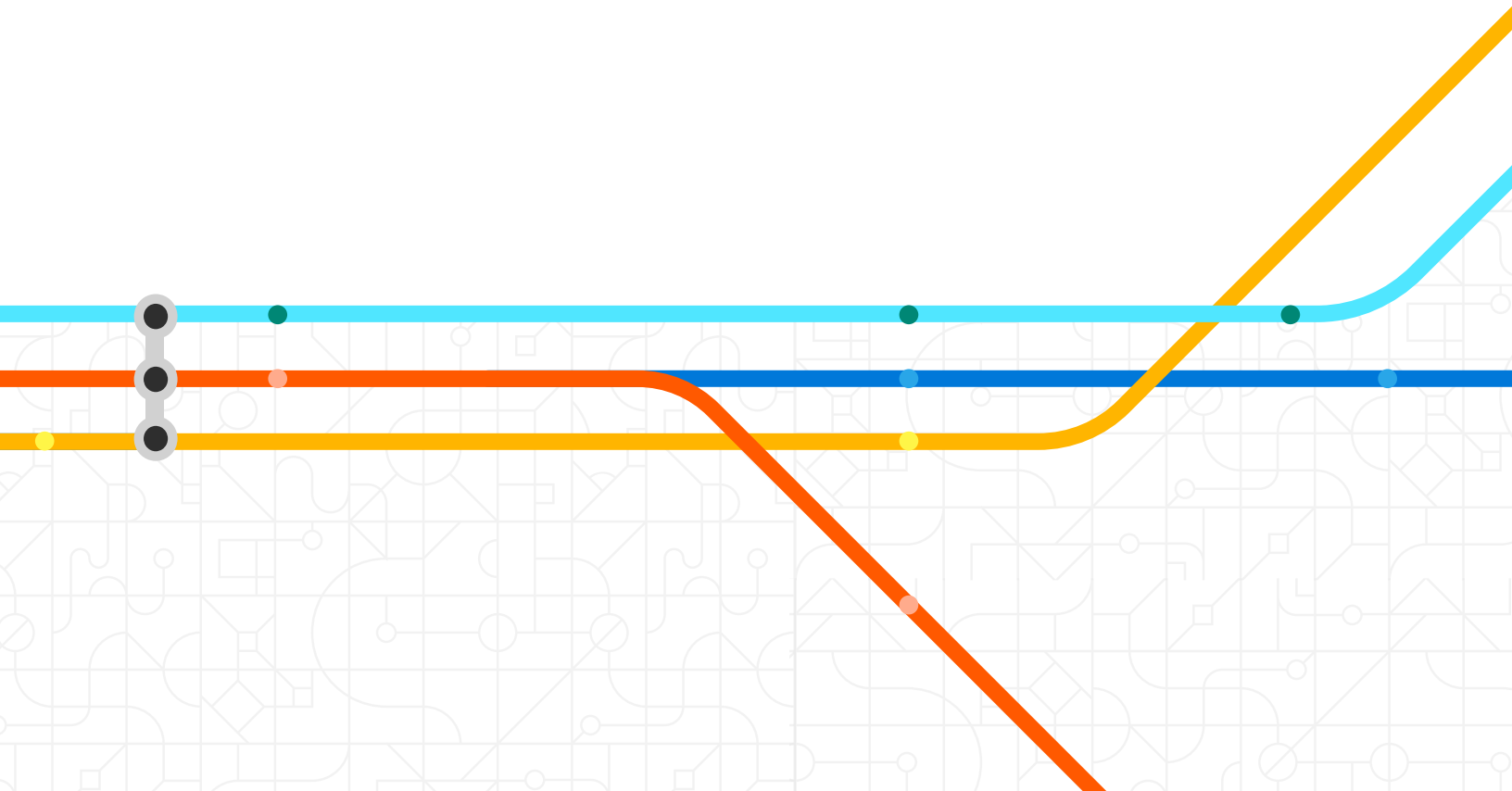
Microsoft Azure training journey for IT pros

- ● Instructor-led training
- ● Self-paced learning
- ● Microsoft Virtual Training Day (MVTD)
- ● Exam Prep sessions

Master the basics

New to the cloud or new to Azure

Azure fundamentals

| Course AZ-900T00 | MVTD: Azure Fundamentals | Microsoft Learn learning paths |

Exam AZ-900 — Azure Fundamentals

Grow in role

Start here
Implement, manage, and monitor cloud solutions

Azure administrator

Course AZ-104T00

AWS background? Consider instead Course AZ-010T00

Microsoft Learn learning paths

Exam Prep session AZ-104

Exam AZ-104 — Azure Administrator Associate

Manage SAP solutions on Azure

Azure for SAP workloads

Course AZ-120T00

Microsoft Learn learning paths

Exam AZ-120 — Azure for SAP Workloads Specialty

Design and implement end to end cloud solutions

Azure solutions architect

Course AZ-303T00

AWS background? Consider instead Course AZ-030T00

Exam Prep session AZ-303

Course AZ-304T00

Exam Prep session AZ-304

Microsoft Learn learning paths

Exam AZ-303
Exam AZ-304
— Azure Solutions Architect Expert

Implement and manage secure cloud solutions

Azure security engineer

Course AZ-500T00

Microsoft Learn learning paths

Exam Prep session AZ-500

Exam AZ-500 — Azure Security Engineer Associate

Deliver continuous value integrating people, processes, and technologies

DevOps engineer

Course AZ-400T00

Microsoft Learn learning paths

Exam Prep session AZ-400

Exam AZ-400 — DevOps Engineer Expert

Continue to grow with additional training

Migrate apps & infrastructure to the cloud

Course WS-050T00

Microsoft Learn learning paths

Manage on-premises and hybrid cloud solutions

Course WS-011T00

Course WS-012T00

Course WS-013T00

Microsoft Learn learning paths

Manage Linux on Azure

Microsoft Learn learning paths

Microsoft Azure training journey for developers

- ● Instructor-led training
- ● Self-paced learning
- ● Microsoft Virtual Training Day (MVTD)
- ● Exam Prep sessions

Master the basics

New to the cloud or new to Azure

Azure fundamentals

| Course AZ-900T00 |
| MVTD: Azure Fundamentals |
| Microsoft Learn learning paths |

Exam AZ-900 — Azure Fundamentals

New to data solutions on Azure

Azure data fundamentals

| Course DP-900T00 |
| MVTD: Azure Data Fundamentals |
| Microsoft Learn learning paths |
| Exam Prep session DP-900 |

Exam DP-900 — Azure Data Fundamentals

New to AI or new to AI on Azure

Azure AI fundamentals

| Course AI-900T00 |
| MVTD: Azure AI Fundamentals |
| Microsoft Learn learning paths |
| Exam Prep session AI-900 |

Exam AI-900 — Azure AI Fundamentals

Grow in role

Start here
Design, build, test, and maintain cloud apps

Azure developer

| Course AZ-204T00

AWS background? Consider instead Course AZ-020T00 |
| Microsoft Learn learning paths |
| Exam Prep session AZ-204 |

Exam AZ-204 — Azure Developer Associate

Develop cloud and edge IoT solutions

Azure IoT developer

| Course AZ-220T00 |
| Microsoft Learn learning paths |

Exam AZ-220 — Azure IoT Developer Specialty

Build, manage, and deploy AI solutions

Azure AI engineer

| Course AI-100T01 |
| Microsoft Learn learning paths |
| Exam Prep session AI-102 |

Exam AI-100 — Azure AI Engineer Associate

Deliver continuous value integrating people, processes, and technologies

DevOps engineer

| Course AZ-400T00 |
| Microsoft Learn learning paths |
| Exam Prep session AZ-400 |

Exam AZ-400 — DevOps Engineer Expert

Design and implement end-to-end cloud solutions

Azure solutions architect

| Course AZ-303T00

AWS background? Consider instead Course AZ-030T00 |
| Exam Prep session AZ-303 |
| Course AZ-304T00 |
| Exam Prep session AZ-304 |
| Microsoft Learn learning paths |

Exam AZ-303
Exam AZ-304 — Azure Solutions Architect Expert

Continue to grow with additional training

Migrate data to the cloud

| Course DP-050T00 | Course DP-070T00 |
| Course DP-060T00 | Microsoft Learn learning paths |

Microsoft Azure training journey for data & AI pros

- Instructor-led training
- Self-paced learning
- Microsoft Virtual Training Day (MVTD)
- Exam Prep sessions

Master the basics

New to the cloud or new to Azure

Azure fundamentals

- Course AZ-900T00
- MVTD: Azure Fundamentals
- Microsoft Learn learning paths
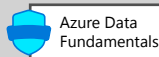
Exam AZ-900 — Azure Fundamentals

New to data solutions on Azure

Azure data fundamentals

- Course DP-900T00
- MVTD: Azure Data Fundamentals
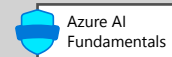- Microsoft Learn learning paths
- Exam Prep session DP-900

Exam DP-900 — Azure Data Fundamentals

New to AI or new to AI on Azure

Azure AI fundamentals

- Course AI-900T00
- MVTD: Azure AI Fundamentals
- Microsoft Learn learning paths
- Exam Prep session AI-900

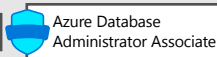Exam AI-900 — Azure AI Fundamentals

Grow in role

Start here
Manage relational cloud and hybrid databases

Azure database administrator

- Course DP-300T00
- Microsoft Learn learning paths
- Exam Prep session DP-300

Exam DP-300 — Azure Database Administrator Associate

Start here
Get insights from data assets

Data analyst

- Course DA-100T00
- Microsoft Learn learning paths
- Exam Prep session DA-100

Exam DA-100 — Data Analyst Associate

Start here
Build, manage, and deploy AI solutions

Azure AI engineer

- Course AI-100T01
- Microsoft Learn learning paths
- Exam Prep session AI-102

Exam AI-100 — Azure AI Engineer Associate
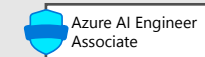
Get structure and unstructured data ready for analytics

Azure data engineer

- Course DP-200T01
- Exam Prep session DP-200
- Course DP-201T01
- Exam Prep session DP-201
- Microsoft Learn learning paths

Exam DP-200
Exam DP-201 — Azure Data Engineer Associate

Build, train, and deploy machine learning models

Azure data scientist

- Course DP-100T01
- Microsoft Learn learning paths
- Exam Prep session DP-100

Exam DP-100 — Azure Data Scientist Associate

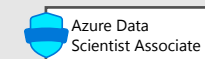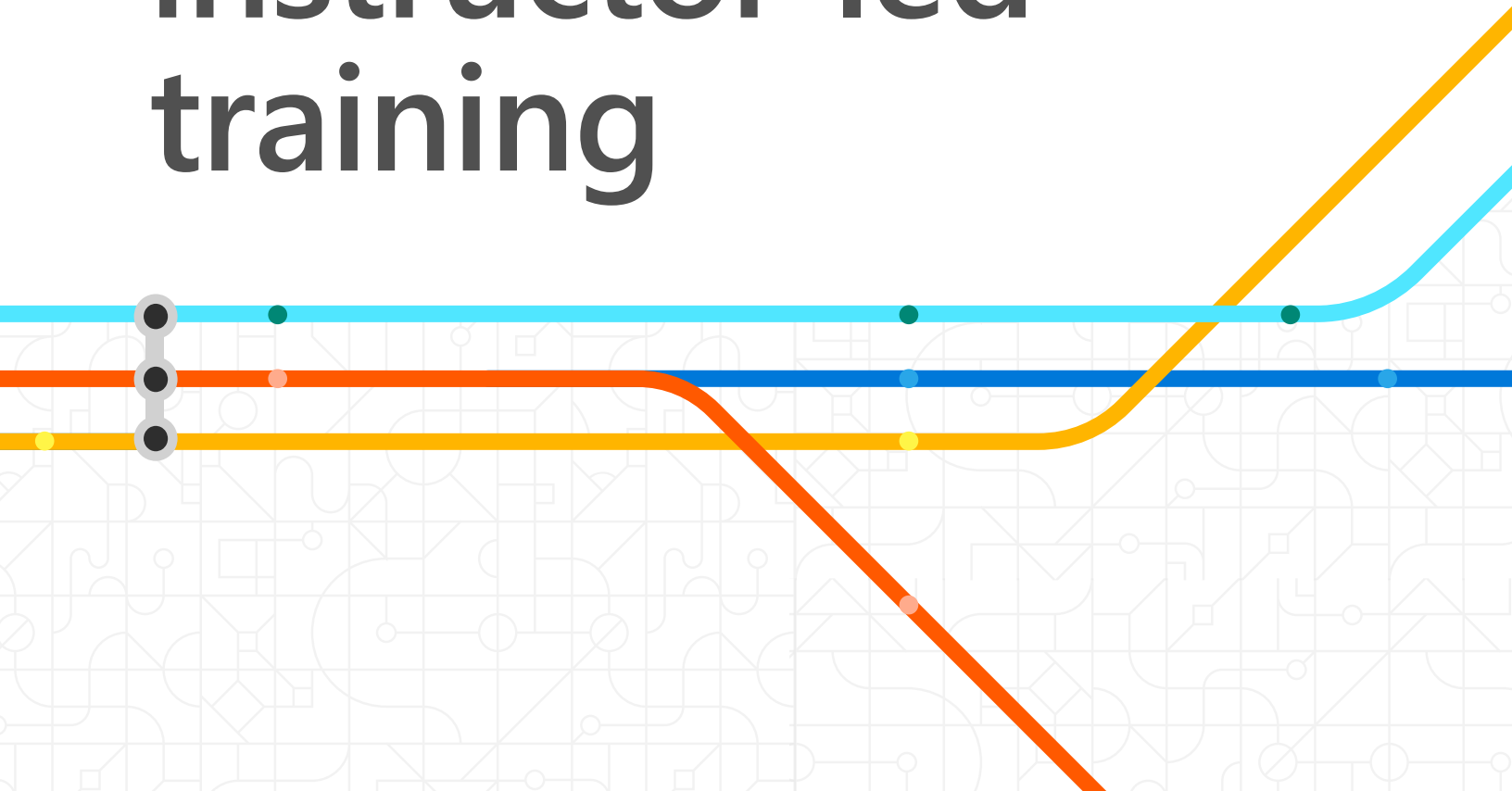## Continue to grow with additional training

Migrate data to the cloud

- Course DP-050T00
- Course DP-060T00
- Course DP-070T00
- Microsoft Learn learning paths

Role-based, specialty, and migration instructor-led training

Microsoft Azure Administrator
Course AZ-104T00

Duration: 4 days

Course description

This course teaches IT professionals how to manage Azure subscriptions, secure identities, administer the infrastructure, configure virtual networking, connect Azure and on-premises sites, manage network traffic, implement storage solutions, create and scale virtual machines, implement web apps and containers, back up and share data, and monitor solutions.

Audience profile

This course is intended for:
• System engineers
• System administrators
• Network administrators
• Help desk administrators

Agenda

DAY 1
• Identity
• Governance
• Compliance
• Administration

DAY 2
• Virtual networking
• Intersite connectivity
• Network traffic management

DAY 3
• Storage
• Virtual machines
• Serverless computing

DAY 4
• Data protection
• Monitoring

Additional details

Prerequisite knowledge and hands-on experience:
Successful Azure administrators have experience in virtualization, networking, identity, and storage.
• Understanding on-premises virtualization technologies, including: VMs, virtual networking, and virtual hard disks
• Understanding network configurations, including TCP/IP, Domain Name System (DNS), virtual private networks (VPNs), firewalls, and encryption technologies
• Understanding Azure Active Directory concepts, including users, groups, and role-based access control
• Understanding resilience and disaster recovery, including backup and restore operations

New to Azure? Complete **Course AZ-900T00: Microsoft Azure Fundamentals** or Microsoft Learn learning paths.

New to administering Azure? Complete the Prerequisites for Azure Administrators learning path on Microsoft Learn.

This course helps prepare for:
Microsoft Certified: Azure Administrator Associate
Exam AZ-104: Microsoft Azure Administrator

Skills measured in the exam:
• Manage Azure Identities and Governance
• Implement and Manage Storage
• Deploy and configure virtual machines
• Configure and manage virtual networking
• Monitor and back up Azure resources

Explore related Exam Prep session: AZ-104.

Explore more details for Course AZ-104T00.

Course coverage
40% Lecture/Discussion | 20% Demonstrations | 40% Hands-on labs

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⤒ **Back to training journey for IT pros**

⊙→ **Book this course in the LxP**

Azure Administration for AWS SysOps
Course AZ-010T00

Duration: 2 days

Course description

This course is designed for Amazon Web Services (AWS) Sysops administrators interested in learning how Azure is different from AWS, and how Azure is administered. The course included topics like Azure administration, networking, compute, storage, and governance. This course combines lecture with hands-on practical exercises and discussion/review. During the course, students will build an end-to-end architecture that demonstrates the main features discussed.

Audience profile

This course is intended for:
• AWS Sysops Administrator or equivalent. This person has one to two years of experience in AWS deployment, management, and operations.

Agenda

DAY 1

• Azure Administration
• Azure Networking

DAY 2

• Azure Compute
• Azure Storage
• Azure Identity

Additional details

Prerequisite knowledge and hands-on experience:
• Functional knowledge of Azure.
• Experience in operating systems, virtualization, cloud infrastructure, storage structures, identity solutions, and networking, specifically:
  • A working knowledge of how to construct CLI commands
  • Understanding of virtual network concepts
  • Understanding of virtual machines
  • Understanding virtual storage concepts
  • Understanding of governance concepts

New to Azure? Complete **Course AZ-900T00: Microsoft Azure Fundamentals** or Microsoft Learn learning paths.

New to administering Azure? Complete the Prerequisites for Azure Administrators learning path on Microsoft Learn.

This course helps prepare for:
Microsoft Certified: Azure Administrator Associate
Exam AZ-104: Microsoft Azure Administrator

Skills measured in the exam:
• Manage Azure Identities and Governance
• Implement and Manage Storage
• Deploy and configure virtual machines
• Configure and manage virtual networking
• Monitor and back up Azure resources

Explore related Exam Prep session: AZ-104.

Explore more details for Course AZ-010T00.

Course coverage
25% Lecture/Discussion | 25% Demonstrations | 50% Hands-on labs

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⤒ **Back to training journey for IT pros**   ⊛ **Book this course in the LxP**

Microsoft Azure Security Technologies
Course AZ-500T00

Duration: 4 days

Course description

This course provides IT Security Professionals with the knowledge and skills needed to implement security controls, maintain an organization's security posture, and identify and remediate security vulnerabilities. The course includes security for identity and access, platform protection, data and applications, and security operations.

Audience profile

This course is intended for:
• Cloud security engineers
• Cyber-engineers
• Security architects
• Security analysts

Agenda

DAY 1
• Understand cloud security
• Compare and contrast identity solutions
• Implement Privileged Identity Management
• Manage Azure Key Vault

DAY 2
• Secure Azure networking
• Implement platform security
• Implement host security

DAY 3
• Configure security policies
• Implement data encryption
• Configure security services
• Secure applications and data

DAY 4
• Manage security with Azure Security Center
• Manage security with Azure Sentinel
• Configure monitoring and alerts
• Understand security baselines

Additional details

Prerequisite knowledge and hands-on experience:
• Functional knowledge in Azure administration

New to administering Azure? Complete Course AZ-104T00, Course AZ-010T00, or Microsoft Learn learning paths.

This course helps prepare for:
Microsoft Certified: Azure Security Engineer Associate
Exam AZ-500: Microsoft Azure Security Technologies

Skills measured in the exam:
• Manage identity and access
• Implement platform protection
• Manage security operations
• Secure data and applications

Explore related Exam Prep session: AZ-500.

Explore more details for Course AZ-500T00.

Course coverage
30% Lecture/Discussion | 20% Demonstrations | 50% Hands-on labs

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⬆ **Back to training journey for IT pros**

➔ **Book this course in the LxP**

Planning and Administering Microsoft Azure for SAP Workloads
Course AZ-120T00

Duration: 4 days

Course description

This course teaches IT Professionals experienced in SAP solutions how to leverage Azure resources that include deployment and configuration of virtual machines, virtual networks, storage accounts, and Azure AD that includes implementing and managing hybrid identities. Students of this course will learn through concepts, scenarios, procedures, and hands-on labs how to best plan and implement migration and operation of an SAP solution on Azure.

Audience profile

This course is intended for:
- SAP integration architects
- Data architects
- Cloud infrastructure architects
- Enterprise architects

Agenda

DAY 1
- Foundations of SAP on Azure
- SAP Certified Offerings on Azure
- SAP on Azure Reference Architecture

DAY 2
- Planning and implementing SAP Solutions on Azure
- Migrating SAP workloads to Azure

DAY 3
- Implementing VM-based SAP solutions
- Deploying HANA large instances

DAY 4
- Maintaining SAP on Azure
- Monitoring and troubleshooting SAP on Azure

Additional details

Prerequisite knowledge and hands-on experience:
Successful Azure Administrators have experience in virtualization, networking, identity, and storage.
- Functional experience as an Azure administrator
- Knowledge of SAP Applications, SAP HANA, S/4HANA, SAP NetWeaver, SAP BW, OS Servers for SAP applications and databases
- Understanding of SAP HANA deployment and configuration
- Hands-on experience with SAP HANA administration

New to administering Azure? Complete Course AZ-104T00, Course AZ-010T00, or Microsoft Learn learning paths.

This course helps prepare for:
Microsoft Certified: Azure for SAP Workloads Specialty Exam AZ-120: Planning and Administering Microsoft Azure for SAP Workloads

Skills measured in the exam:
- Migrate SAP workloads to Azure
- Design an Azure solution to support SAP workloads
- Build and deploy Azure for SAP workloads
- Validate Azure infrastructure for SAP workloads
- Operationalize Azure SAP architecture

Explore more details for Course AZ-120T00.

Course coverage
40% Lecture/Discussion | 20% Demonstrations | 40% Hands-on labs

⬆ **Back to training journey for IT pros**

➔ **Book this course in the LxP**

Designing and Implementing Microsoft DevOps Solutions

Course AZ-400T00

Duration: 5 days

Course description

This course provides the knowledge and skills to design and implement DevOps processes and practices. Students will learn how to plan for DevOps, use source control, scale Git for an enterprise, consolidate artifacts, design a dependency management strategy, manage secrets, implement continuous integration, implement a container build strategy, design a release strategy, set up a release management workflow, implement a deployment pattern, and optimize feedback mechanisms.

Audience profile

This course is intended for:
• DevOps engineers
• Release managers
• Data analysts
• Product managers

Agenda

DAY 1

• Plan for DevOps
• Learning Source Control
• Scaling Git
• Consolidate artifacts
• Manage configuration and secrets

DAY 2

• Plan for quality and security
• Manage build infrastructure
• Implement CI/CD
• Manage code quality

DAY 3

• Implement container strategies
• Manage artifact versions
• Set up release management
• Implement deployment pattern

DAY 4

• Implement feedback processes
• Implement mobile DevOps
• Azure deployment models and tools

DAY 5

• Manage container infrastructure
• Implement compliance and security
• Optimize feedback mechanisms

Additional details

Prerequisite knowledge and hands-on experience:
• Azure administration and Azure development with proven expertise in at least one of these areas
• Cloud computing concepts, including an understanding of PaaS, SaaS, and IaaS implementations
• Version control, agile software development, and core software development principles. It would be helpful to have experience in an organization that delivers software

New to administering Azure? Complete **Course AZ-104T00**, **Course AZ-010T00**, or Microsoft Learn learning paths.

New to developing apps on Azure? Complete **Course AZ-204T00**, **Course AZ-020T00**, or Microsoft Learn learning paths.

This course helps prepare for:
Microsoft Certified: DevOps Engineer Expert
Exam AZ-400: Designing and Implementing Microsoft DevOps Solutions

Skills measured in the exam:
• Design a DevOps strategy
• Implement DevOps development processes
• Implement continuous integration and deliver
• Implement dependency management
• Implement application infrastructure
• Implement continuous feedback

Explore related Exam Prep session: AZ-400.

Explore more details for Course AZ-400T00.

Course coverage
30% Lecture/Discussion | 20% Demonstrations | 50% Hands-on labs

⤒ **Back to training journey for IT pros**
⤒ **Back to training journey for developers**

⊙ **Book this course in the LxP**

Microsoft Azure Architect Technologies

Course AZ-303T00

Duration: 5 days

Course description

This course teaches solutions architects how to translate business requirements into secure, scalable, and reliable solutions. Lessons include virtualization, automation, networking, storage, identity, security, data platform, and application infrastructure. The course outlines how decisions in each area affect an overall solution.

Audience profile

This course is intended for:
• Solution architects
• Enterprise architects
• Cloud consultants
• Cloud engineers

Agenda

DAY 1
• Implement virtual networking
• Implement VMs
• Automate deployments

DAY 2
• Implement load balancing and network security
• Implement storage accounts
• Implement Azure Active Directory

DAY 3
• Implement governance
• Implement hybrid identity
• Manage workloads

DAY 4
• Implement monitoring
• Manage app security
• Implement app infrastructure

DAY 5
• Implement containers
• Implement NoSQL databases
• Implement Azure SQL databases

Additional details

Prerequisite knowledge and hands-on experience:
• Functional knowledge of Azure administration
• Cloud solution awareness: Students should have experience using the Azure Portal and solid understanding of PaaS, SaaS, and IaaS implementations
• Software development experience is a prerequisite for this course, but no specific software language is required, and the experience does not need to be at a professional level
• General understanding of data storage and data processing is recommended but not required

New to developing apps on Azure? Complete Course AZ-204T00, Course AZ-020T00, or Microsoft Learn learning paths.

New to administering Azure? Complete Course AZ-104T00, Course AZ-010T00, or Microsoft Learn learning paths.

This course helps prepare for:
Microsoft Certified: Azure Solutions Architect Expert
Exam AZ-303: Microsoft Azure Architect Technologies

Skills measured in the exam:
• Deploy and configure infrastructure
• Implement workloads and security
• Create and deploy apps
• Implement authentication and secure data
• Develop for the cloud and Azure storage

Explore related Exam Prep session: AZ-303.

Explore more details for Course AZ-303T00.

> **Course coverage**
> 30% Lecture/Discussion | 20% Demonstrations | 50% Hands-on labs

↑ **Back to training journey for IT pros**
↑ **Back to training journey for developers**

→ **Book this course in the LxP**

Microsoft Azure technologies for AWS architects

Course AZ-030T00

Duration: 4 days

Course description

This course teaches solutions architects who have previously designed for Amazon Web Services (AWS) how to translate business requirements into secure, scalable, and reliable solutions for Azure. Lessons include virtualization, automation, networking, storage, identity, security, data platform, and application infrastructure. The course outlines how decisions in each area affect an overall solution.

Audience profile

This course is intended for:
• AWS cloud architects with expertise in designing and implementing solutions running on AWS who now want to design for Microsoft Azure.

Agenda

DAY 1

• Introduction to Azure
• Azure global infrastructure
• Implement Azure AD
• Implement and manage hybrid identities

DAY 2

• Implement virtual networking
• Implement VMs
• Implement load balancing and network security
• Implement containers

DAY 3

• Implement an app infrastructure
• Implement storage
• Implement NoSQL databases
• Implement Azure SQL databases

DAY 4

• Implement monitoring
• Implement governance
• Manage app security
• Manage migration, backup, and DR

Additional details

Prerequisite knowledge and hands-on experience:
• Functional knowledge of Azure administration and apps development
• At least one year of AWS experience
• Understanding of on-premises virtualization technology
• Understanding of networking fundamentals
• Understanding of identity management system concepts

New to developing apps on Azure? Complete Course AZ-204T00, Course AZ-020T00, or Microsoft Learn learning paths.

New to administering Azure? Complete Course AZ-104T00, Course AZ-010T00, or Microsoft Learn learning paths.

This course helps prepare for:
Microsoft Certified: Azure Solutions Architect Expert
Exam AZ-303: Microsoft Azure Architect Technologies

Skills measured in the exam:
• Deploy and configure infrastructure
• Implement workloads and security
• Create and deploy apps
• Implement authentication and secure data
• Develop for the cloud and Azure storage

Explore related Exam Prep session: AZ-303.

Explore more details for Course AZ-303T00.

Course coverage
25% Lecture/Discussion | 25% Demonstrations | 50% Hands-on labs

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⤒ **Back to training journey for IT pros**

⤒ **Back to training journey for developers**

⊕ **Book this course in the LxP**

Microsoft Azure Architect Design

Course AZ-304T00

Duration: 4 days

Course description

This course teaches solution architects how to translate business requirements into secure, scalable, and reliable solutions. Lessons include design considerations related to logging, cost analysis, authentication and authorization, governance, security, storage, high availability, and migration.

Audience profile

This course is intended for:
- Solution architects
- Enterprise architects
- Cloud consultants
- Cloud engineers

Agenda

DAY 1
- Design a compute solution
- Design a network solution
- Design for migration

DAY 2
- Design authentication and authorization
- Design governance
- Design databases
- Select an appropriate storage account

DAY 3
- Design for data integration
- Design a solution for logging and monitoring
- Design a solution for backup and recovery

DAY 4
- Design for high availability
- Design for cost optimization
- Design an app architecture
- Design security for applications

Additional details

Prerequisite knowledge and hands-on experience:
- Azure Solution Architect Technologies:
  Course AZ-303T00, Course AZ-030T00,
  or Microsoft Learn learning paths
- Understanding of network configuration, including TCP/IP, Domain Name System (DNS), virtual private networks (VPNs), firewalls, and encryption technologies
- Understanding of resilience and disaster recovery, including backup and restore
- Understanding of decoupling applications and services,for example, queues, tables, cache
- Understanding of security concepts to protect an environment, like encryption at rest, encryption in transit, SSL, TLS

This course helps prepare for:
Microsoft Certified: Azure Solutions Architect Expert
Exam AZ-304: Microsoft Azure Architect Design

Skills measured in the exam:
- Design monitoring
- Design identity and security
- Design data storage
- Design business continuity
- Design infrastructure

Explore related Exam Prep session: AZ-304.

Explore more details for Course AZ-304T00.

Course coverage
40% Lecture/Discussion | 20% Demonstrations | 40% Hands-on labs

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⤊ **Back to training journey for IT pros**
⤊ **Back to training journey for developers**

⟶ **Book this course in the LxP**

Migrating Application Workloads to Azure
Course WS-050T00

Duration: 2 days

Course description

This workshop teaches IT professionals how to migrate existing on-premises workloads and assets to Microsoft Azure. Students learn how to assess and evaluate an existing on-premises environment in preparation for a cloud migration. Students also learn how to monitor and optimize Azure-based workloads to maximize return on investment (ROI) and use Azure services to protect and manage virtual machines, applications, and data.

Audience profile

This course is intended for:
• Solution architects
• Enterprise architects
• Cloud consultants
• Cloud engineers

Agenda

DAY 1

DAY 2

• Planning and assessing an Azure migration
• Introduction to data migration

• Implementing migration using Azure Migrate
• Backup and disaster recovery in Azure

Additional details

Prerequisite knowledge and hands-on experience:
• Functional knowledge of Azure administration
• Understand virtualization concepts
• Understand networking concepts
• Understand Active Directory concepts
• Familiar with Azure, including the portal and PowerShell or CLI

New to Azure? Complete **Course AZ-900T00: Microsoft Azure Fundamentals** or Microsoft Learn.

New to administering Azure? Complete Prerequisites for Azure Administrators learning path on Microsoft Learn.

There aren't certifications related to this course. It's recommended for Azure administrators and Azure solutions architects.

Skills gained in the course:
• Identify the tools and services specific to each phase of the migration
• Discover and assess on-premises workloads for migration to Azure
• Perform an end-to-end migration of on-premises workloads to Azure using Azure Migrate

Explore more details for Course WS-050T00.

Course coverage
30% Lecture/Discussion | 20% Demonstrations | 50% Hands-on labs

⊕ **Back to training journey for IT pros**

⊕ **Book this course in the LxP**

Developing solutions for Microsoft Azure
Course AZ-204T00

Duration: 5 days

Course description

This course teaches developers how to create end-to-end solutions in Microsoft Azure. Students will learn how to implement Azure compute solutions, create Azure Functions, implement and manage web apps, develop solutions utilizing Azure Storage, implement authentication and authorization, and secure their solutions by using Key Vault and Managed Identities.

Audience profile

This course is intended for:
• Web developers
• Application developers
• Full stack developers
• Software engineers

Agenda

DAY 1
• Create App Service Web Apps
• Implement Azure Functions
• Develop Solutions using Blob Storage

DAY 2
• Develop Solutions using Cosmos DB
• Implement IaaS Solutions
• Implement User Authentication and Authorization

DAY 3
• Implement Secure Cloud Solutions
• Implement API Management
• Develop App Service Logic Apps

DAY 4
• Develop Event-based Solutions
• Develop Message-based Solutions

DAY 5
• Monitor and Optimize Azure Solutions
• Integrate Caching and Content Delivery

Additional details

Prerequisite knowledge and hands-on experience:
• Hands-on experience with Azure IaaS and PaaS solutions, and the Azure Portal
• Experience writing in an Azure supported language at the intermediate level (C#, JavaScript, Python, or Java)
• Ability to write code to connect to, and perform operations on, a SQL or NoSQL database product (SQL Server, Oracle, MongoDB, Cassandra or similar)
• Experience writing code to handle authentication, authorization, and other security principles at the intermediate level
• General understanding of HTML, the HTTP protocol, and REST API interfaces

New to Azure? Complete Course AZ-900T00: Microsoft Azure Fundamentals or Microsoft Learn learning paths.

This course helps prepare for:
Microsoft Certified: Azure Developer Associate
Exam AZ-204: Developing Solutions for Microsoft Azure

Skills measured in the exam:
• Develop Azure compute solutions
• Develop for Azure storage
• Implement Azure security
• Monitor, troubleshoot, and optimize Azure solutions
• Connect to and consume Azure and third-party services

Explore related Exam Prep session: AZ-204.

Explore more details for Course AZ-204T00.

> **Course coverage**
> 30% Lecture/Discussion | 20% Demonstrations | 50% Hands-on labs

⬆ **Back to training journey for developers**

→ **Book this course in the LxP**

Microsoft Azure solutions for AWS developers

Course AZ-020T00

Duration: 3 days

Course description

This course teaches Amazon Web Services (AWS) developers how to prepare end-to-end solutions in Microsoft Azure. Students will construct Azure App Service Web App solutions and Azure Functions, use blob or Cosmos DB storage in solutions, implement secure cloud solutions that include user authentication and authorization, implement API management, and develop event- and message-based solutions, and monitor, troubleshoot, and optimize Azure solutions.

Audience profile

This course is intended for:
- Experienced AWS developers interested in Azure development.

Agenda

DAY 1
- Create Azure App Service Web Apps
- Implement Azure Functions
- Develop solutions that use blob storage
- Develop solutions that use Cosmos DB

DAY 2
- Create and deploy ARM templates
- Implement user authentication and authorization
- Implement secure cloud solutions

DAY 3
- Implement API management
- Develop event-based solutions
- Develop message-based solutions
- Monitor and optimize Azure solutions

Additional details

Prerequisite knowledge and hands-on experience:
- Functional knowledge of Azure
- Students should have 1-2 years professional development experience and experience with AWS. They must be able to program in an Azure supported language

New to Azure? Complete Course AZ-900T00: Microsoft Azure Fundamentals or Microsoft Learn learning paths.

This course helps prepare for:
Microsoft Certified: Azure Developer Associate
Exam AZ-204: Developing Solutions for Microsoft Azure

Skills measured in the exam:
- Develop Azure compute solutions
- Develop for Azure storage
- Implement Azure security
- Monitor, troubleshoot, and optimize Azure solutions
- Connect to and consume Azure and third-party services

Explore related Exam Prep session: AZ-204.

Explore more details for Course AZ-204T00.

Course coverage
25% Lecture/Discussion | 25% Demonstrations | 50% Hands-on labs

⊕ **Back to training journey for developers**

⊖ **Book this course in the LxP**

Microsoft Azure IoT Developer
Course AZ-220T00

Duration: 4 days

Course description

This course provides students with the skills and knowledge required to successfully create and maintain the cloud and edge portions of an Azure IoT solution. The course includes full coverage of the core Azure IoT services such as IoT Hub, device provisioning services, Azure Stream Analytics, Time Series Insights, and more. This course also includes sections on IoT Edge, device management, monitoring and troubleshooting, security concerns, and Azure IoT Central.

Audience profile

This course is intended for:
• IoT data engineers
• IoT data scientists
• IoT cloud architects
• IoT infrastructure engineers

Agenda

DAY 1
• Introduction to IoT and Azure IoT services
• Devices and device communication
• Device provisioning at scale

DAY 2
• Message processing and analytics
• Insights and business integration
• Azure IoT Edge deployment process

DAY 3
• Azure IoT Edge Modules and Containers
• Device management
• Solution testing, diagnostics, and logging

DAY 4
• Azure Security Center and IoT security considerations
• Build an IoT solution with IoT Central

Additional details

Prerequisite knowledge and hands-on experience:
• Functional knowledge of Azure administration, development, and architecture
• Software development experience
• Data processing experience
• Cloud solution awareness

New to developing apps on Azure? Complete **Course AZ-204T00**, **Course AZ-020T00**, or Microsoft Learn learning paths.

New to administering Azure? Complete **Course AZ-104T00**, **Course AZ-010T00**, or Microsoft Learn learning paths.

This course helps prepare for:
Microsoft Certified: Azure IoT Developer Specialty Exam AZ-220: Microsoft Azure IoT Developer

Skills measured in the exam:
• Implement the IoT solution infrastructure
• Provision and manage devices
• Implement Edge
• Process and manage data
• Monitor, troubleshoot, and optimize IoT solutions
• Implement security

Explore more details for Course AZ-220T00.

Course coverage
40% Lecture/Discussion | 20% Demonstrations | 40% Hands-on labs

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⬆ **Back to training journey for developers**

➔ **Book this course in the LxP**

Administering Relational Databases on Microsoft Azure
Course DP-300T00

Duration: 4 days

Course description

This course provides students with the knowledge and skills to administer a SQL Server database infrastructure for cloud, on-premises, and hybrid relational databases. The course is useful for individuals who work with Microsoft PaaS relational database offerings and those who develop applications that deliver content from SQL-based relational databases.

Audience profile

This course is intended for:
• Database administrators
• Database architects
• Application developers

Agenda

DAY 1
• Introducing database administrators
• Plan and implement data platform resources

DAY 2
• Implement a secure environment
• Monitor and optimize operational resources

DAY 3
• Optimize query performance
• Implement task automation

DAY 4
• Plan for high availability and disaster recovery

Additional details

Prerequisite knowledge and hands-on experience:
• Functional knowledge of Azure and data on Azure
• Professional experience in database management and technical knowledge of cloud technologies, specifically working with, maintaining, and developing with SQL Server

New to Azure? Complete Course AZ-900T00: Microsoft Azure Fundamentals or Microsoft Learn learning paths.

New to data on Azure? Complete Course DP-900T00: Microsoft Azure Data Fundamentals or Microsoft Learn learning paths.

This course helps prepare for:
Microsoft Certified: Azure Database Administrator Associate
Exam DP-300: Administering Relational Databases on Microsoft Azure

Skills measured in the exam:
• Plan and implement data platform resources.
• Implement a secure environment
• Monitor and optimize operational resources.
• Optimize query performance
• Perform automation of tasks
• Plan and implement a High Availability and Disaster Recovery environment
• Perform administration by using T-SQL

Explore related Exam Prep session: DP-300.

Explore more details for Course DP-300T00.

Course coverage
40% Lecture/Discussion | 20% Demonstrations | 40% Hands-on labs

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⊕ **Back to training journey for data & AI pros**

⊙ **Book this course in the LxP**

Implementing an Azure Data Solution
Course DP-200T01

Duration: 3 days

Course description

In this course students will learn how to implement various data platform technologies into solutions that align with business and technical requirements, including on-premises, cloud, and hybrid data scenarios, with relational, NoSQL, or data warehouses data. Students will also learn how to design process architectures using a range of technologies for both streaming and batch data.

Audience profile

This course is intended for:
- Data engineers
- Cloud engineers
- Big data analysts

Agenda

DAY 1
- Azure for the Data Engineer
- Working with Data Storage
- Using team-based Data Science with Azure Databricks

DAY 2
- Building globally distributed databases with Cosmos DB
- Working with Relational Data Stores in the cloud
- Performing real-time analytics with Stream Analytics

DAY 3
- Orchestrating Data Movement with Azure Data Factory
- Securing Azure Data Platforms
- Monitoring and troubleshooting data storage and processing

Additional details

Prerequisite knowledge and hands-on experience:
- Functional knowledge of Azure and data on Azure
- Professional experience with cloud data solutions, specifically identifying use cases for big data

New to Azure? Complete **Course AZ-900T00: Microsoft Azure Fundamentals** or Microsoft Learn learning paths.

New to data on Azure? Complete **Course DP-900T00: Microsoft Azure Data Fundamentals** or Microsoft Learn learning paths.

This course helps prepare for:
Microsoft Certified: Azure Data Engineer Associate
Exam DP-200: Implementing an Azure Data Solution

Skills measured in the exam:
- Implement data storage solutions
- Manage and develop data processing
- Monitor and optimize data solutions

Explore related Exam Prep session: DP-200.

Explore more details for Course DP-200T01.

Course coverage
30% Lecture/Discussion | 20% Demonstrations | 50% Hands-on labs

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⬆ **Back to training journey for data & AI pros**   ➔ **Book this course in the LxP**

Designing an Azure Data Solution
Course DP-201T01

Duration: 2 days

Course description

In this course students will learn how to design various data platform technologies into solutions that align with business and technical requirements, including on-premises, cloud, and hybrid data scenarios with relational, NoSQL or data warehouses data. Students will also learn how to design process architectures using a range of technologies for both streaming and batch data.

Audience profile

This course is intended for:
• Data engineers
• Cloud engineers
• Big data analysts

Agenda

DAY 1

• Data Platform Architecture Considerations
• Azure Batch Processing Reference Architectures
• Azure Real-Time Reference Architectures

DAY 2

• Data Platform Security Design Considerations
• Designing for Resiliency and Scale
• Designing for Efficiency and Operations

Additional details

Prerequisite knowledge and hands-on experience:
• Functional knowledge of Azure and data on Azure
• Implementing an Azure Data Solution: Course DP-200T01 or Microsoft Learn learning paths
• Professional experience with cloud data solutions, specifically identifying use cases for big data

This course helps prepare for:
Microsoft Certified: Azure Data Engineer Associate
Exam DP-201: Designing an Azure Data Solution

Skills measured in the exam:
• Design Azure data storage solutions
• Design data processing solutions
• Design for data security and compliance

Explore related Exam Prep session: DP-201.

Explore more details for Course DP-201T01.

Course coverage
30% Lecture/Discussion | 30% Demonstrations | 40% Hands-on labs

↑ **Back to training journey for data & AI pros**

→ **Book this course in the LxP**

Migrate SQL Workloads to Azure
Course DP-050T00

Duration: 2 days

Course description

In this course students will explore the objectives of data platform modernization and how it is suitable for given business requirements. Students will also explore each stage of the data platform modernization process and define what tasks are involved at each stage, such as the assessment and planning phase.

Audience profile

This course is intended for:
- Database administrators
- Application developers
- Solution architects
- Enterprise architects

Agenda

DAY 1

- Introducing Data Platform Modernization
- Choose the right tools for Data Migration
- Migrating SQL workloads to Azure virtual machines

DAY 2

- Migrating SQL workloads to Azure SQL Databases
- Migrating SQL workloads to Azure SQL Database Managed Instances

Additional details

Prerequisite knowledge:
- Functional knowledge of Azure and data on Azure
- Functional knowledge of Microsoft SQL Server administration
- Professional experience implementing SQL solutions, specifically working with and maintaining SQL workloads

New to Azure? Complete **Course AZ-900T00: Microsoft Azure Fundamentals** or Microsoft Learn learning paths.

New to data on Azure? Complete **Course DP-900T00: Microsoft Azure Data Fundamentals** or Microsoft Learn learning paths.

There aren't certifications related to this course. It's recommended for Azure database administrators and Azure developers.

Skills gained in the course:
- Understand Data Platform Modernization
- Choose the right tools for Data Migration
- Migrate SQL Workloads to Azure Virtual Machines
- Migrate SQL Workloads to Azure SQL Databases
- Migrate SQL Workloads to Azure SQL Database Managed Instance

Explore more details for Course DP-050T00.

Course coverage
25% Lecture/Discussion | 25% Demonstrations | 50% Hands-on labs

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⤊ **Back to training journey for data & AI pros**

⤊ **Back to training journey for developers**

⟶ **Book this course in the LxP**

Migrate NoSQL workloads to Azure Cosmos DB
Course DP-060T00

Duration: 1 day

Course description

This course will teach the students what is Cosmos DB and how to migrate MongoDB and Cassandra workloads to Cosmos DB.

Audience profile

This course is intended for:
- Database administrators
- Application developers
- Solution architects
- Enterprise architects

Agenda

DAY 1

- Build globally distributed applications with Cosmos DB
- Migrate MongoDB workloads to Cosmos DB
- Migrate Cassandra DB workloads to Cosmos DB

Additional details

Prerequisite knowledge:
- Functional knowledge of Azure and data on Azure
- Professional experience in configuring NoSQL applications, specifically concepts like partitioning, replication, and resource governance for building and configuring scalable NoSQL applications that are agnostic of Cosmos DB API

New to Azure? Complete Course AZ-900T00: Microsoft Azure Fundamentals or Microsoft Learn learning paths.

New to data on Azure? Complete Course DP-900T00: Microsoft Azure Data Fundamentals or Microsoft Learn learning paths.

There aren't certifications related to this course. It's recommended for Azure database administrators and Azure developers.

Skills gained in the course:
- Build globally distributed applications with Cosmos DB
- Migrate MongoDB workloads to Cosmos DB
- Migrate Cassandra DB workloads to Cosmos DB

Explore more details for Course DP-060T00.

Course coverage
30% Lecture/Discussion | 20% Demonstrations | 50% Hands-on labs

⤊ **Back to training journey for data & AI pros**

⤊ **Back to training journey for developers**

⊙ **Book this course in the LxP**

Migrate Open Source Data Workloads to Azure

Course DP-070T00

Duration: 1 day

Course description

This course helps students understand Azure SQL Database and what is required to migrate MySQL and PostgreSQL workloads to Azure SQL Database.

Audience profile

This course is intended for:
- Database administrators
- Application developers
- Solution architects
- Enterprise architects

Agenda

DAY 1

- Migrate to Azure SQL DB for MySQL and PostgreSQL
- Migrate on-premises MySQL to Azure SQL DB for MySQL
- Migrate on-premises PostgreSQL to Azure SQL DB for PostgreSQL

Additional details

Prerequisite knowledge:
- Functional knowledge of Azure and data on Azure
- Fundamental knowledge of cloud computing concepts and experience with open-source relational database management systems, specifically:
  - Working with PostgreSQL and/or MySQL
  - Using backup and recovery techniques with open-source data
  - SQL administration

New to Azure? Complete **Course AZ-900T00: Microsoft Azure Fundamentals** or Microsoft Learn learning paths.

New to data on Azure? Complete **Course DP-900T00: Microsoft Azure Data Fundamentals** or Microsoft Learn learning paths.

There aren't certifications related to this course. It's recommended for Azure database administrators and Azure developers.

Skills gained in the course:
- Migrate on-premises MySQL to Azure SQL DB for MySQL.
- Migrate on-premises PostgreSQL to Azure SQL DB for PostgreSQL.

Explore more details for Course DP-070T00.

Course coverage
30% Lecture/Discussion | 20% Demonstrations | 50% Hands-on labs

⤴ **Back to training journey for data & AI pros**

⤴ **Back to training journey for developers**

⊡ **Book this course in the LxP**

Analyzing Data with Power BI
Course DA-100T00

Duration: 4 days

Course description

In this course students will learn the various methods and best practices that are in line with business and technical requirements for modeling, visualizing, and analyzing data with Microsoft Power BI, how to access and process data from a range of data sources including relational and non-relational data, and how to implement proper security standards and policies across the Power BI spectrum including datasets and groups.

Audience profile

This course is intended for:
• Data and business intelligence professionals.
• Individuals who develop reports and data visualizations.

Agenda

DAY 1
• Introducing data analytics
• Prepare data in Power BI
• Clean, transform, and load data

DAY 2
• Design a data model
• Create measures using DAX
• Optimize model performance

DAY 3
• Create reports, dashboards, and paginated reports
• Perform advanced analytics

DAY 4
• Manage workspaces
• Manage datasets
• Implement row-level security

Additional details

Prerequisite knowledge and hands-on experience:
• Functional knowledge of Azure and data on Azure
• Functional knowledge of Microsoft Power BI
• Experience working with data in the cloud. Specifically:
  • Understanding core data concepts
  • Knowledge of working with relational data in the cloud
  • Knowledge of working with non-relational data in the cloud
  • Knowledge of data analysis and visualization concepts

New to Azure? Complete **Course AZ-900T00: Microsoft Azure Fundamentals** or Microsoft Learn learning paths.

New to data on Azure? Complete **Course DP-900T00: Microsoft Azure Data Fundamentals** or Microsoft Learn learning paths.

This course helps prepare for:
Microsoft Certified: Data Analyst Associate
Exam DA-100: Analyzing Data with Microsoft Power BI

Skills measured in the exam:
• Prepare the data
• Model the data
• Visualize the data
• Analyze the data
• Deploy and maintain deliverables

Explore related Exam Prep session: DA-100.

Explore more details for Course DA-100T00.

Course coverage
25% Lecture/Discussion | 25% Demonstrations | 50% Hands-on labs

⤴ **Back to training journey for data & AI pros**

⊙→ **Book this course in the LxP**

Designing and Implementing an Azure AI Solution

Course AI-100T01

Duration: 3 days

Course description

In this course students will gain the knowledge to design Azure AI solutions. The course includes building a customer support chat Bot using Azure AI technologies like language understanding and other pre-built AI functionality in Azure Cognitive Services.

Audience profile

This course is intended for:
- AI engineers
- Software developers
- Machine Learning engineers
- Data scientists

Agenda

DAY 1
- Introducing Azure Cognitive Services
- Creating bots

DAY 2
- Enhancing bots with QnA Maker
- Creating language understanding functionality with LUIS

DAY 3
- Enhancing bots with LUIS
- Integrating Cognitive Services with bots and agents

Additional details

Prerequisite knowledge and hands-on experience:
- Functional knowledge of Azure and AI on Azure
- Professional experience with cloud technologies, and experience with software development kits, specifically:
    - Implementing solutions in C# or Python
    - Application development in the cloud
    - Understanding Azure storage technologies

New to Azure? Complete **Course AZ-900T00: Microsoft Azure AI Fundamentals** or Microsoft Learn learning paths.

New to AI or AI on Azure? Complete **Course AI-900T00: Microsoft Azure AI Fundamentals** or Microsoft Learn learning paths.

This course helps prepare for:
Microsoft Certified: Azure AI Engineer Associate
Exam AI-100: Designing and Implementing an Azure AI Solution

Skills measured in the exam:
- Analyze solution requirements
- Design AI solutions
- Implement and monitor AI solutions

Explore related Exam Prep session: AI-102.

Explore more details for Course AI-100T01.

Course coverage
25% Lecture/Discussion | 25% Demonstrations | 50% Hands-on labs

Back to training journey for data & AI pros

Back to training journey for developers

Book this course in the LxP

Designing and Implementing a Data Science Solution on Azure
Course DP-100T01

Duration: 3 days

Course description

In this course students will learn how to operate machine learning solutions at cloud scale using Azure Machine Learning. This course teaches how to leverage existing knowledge of Python and Machine Learning to manage data ingestion and preparation, model training and deployment, and machine learning solution monitoring in Microsoft Azure.

Audience profile

This course is intended for:
- Data scientists
- Machine Learning engineers
- AI engineers

Agenda

DAY 1
- Introducing Azure Machine Learning
- No-Code Machine Learning with Designer
- Running experiments and training models

DAY 2
- Working with data
- Compute contexts
- Orchestrating operations with pipelines
- Deploying and consuming models

DAY 3
- Training optimal models
- Interpreting models
- Monitoring models

Additional details

Prerequisite knowledge and hands-on experience:
- Functional knowledge of Azure and AI on Azure
- Experience in general data science and machine learning tools and techniques, specifically:
  - Creating cloud resources in Microsoft Azure
  - Using Python to explore and visualize data
  - Training and validating machine learning models using common frameworks like Scikit-Learn, PyTorch, and TensorFlow

New to Azure? Complete **Course AZ-900T00: Microsoft Azure Fundamentals** or Microsoft Learn learning paths.

New to AI or AI on Azure? Complete **Course AI-900T00: Microsoft Azure AI Fundamentals** or Microsoft Learn learning paths.

This course helps prepare for:
Microsoft Certified: Azure Data Scientist Associate Exam DP-100: Designing and Implementing a Data Science Solution on Azure

Skills measured in the exam:
- Set up an Azure Machine Learning workspace
- Run experiments and train models
- Optimize and manage models
- Deploy and consume models

Explore related Exam Prep session: DP-100.

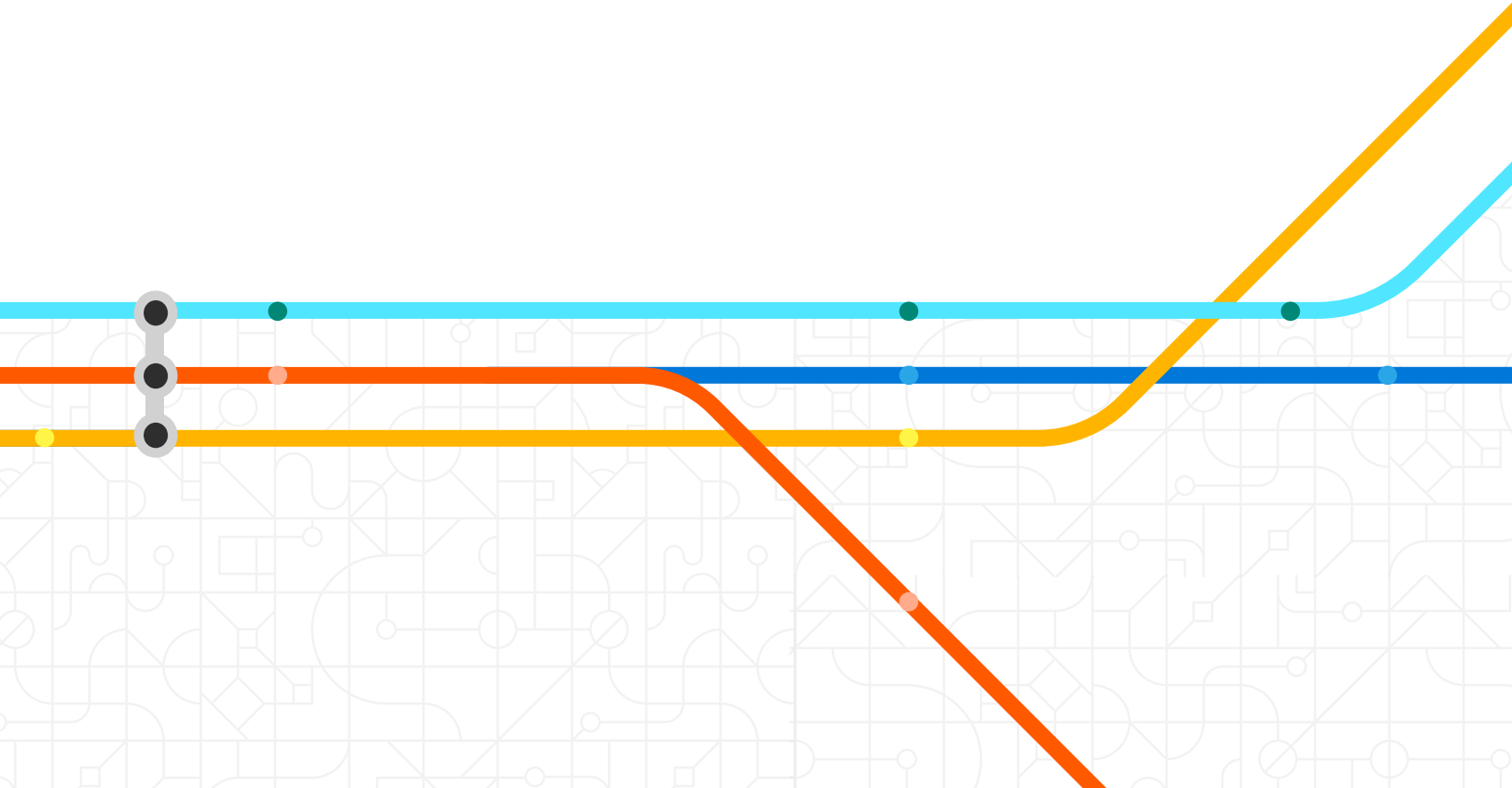**Explore more details for Course DP-100T01.**

Course coverage
30% Lecture/Discussion | 20% Demonstrations | 50% Hands-on labs

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⬆ **Back to training journey for data & AI pros**   ➔ **Book this course in the LxP**

Exam Prep sessions

Exam Prep session for Exam AZ-104

Microsoft Azure Administrator

Session details

This Exam Prep session provides practical details on how best to prepare for **Exam AZ-104: Microsoft Azure Administrator.** In the digital session that usually lasts three to four hours, the instructor helps to identify the key knowledge requirements for **Exam AZ-104**, along with its objective domains, and offers suggestions on how to allocate the study time to cover them. Students learn tips for approaching exam questions and explore how to interpret them. They also get details on the various question formats and check out the scoring methodology. The Exam Prep session includes a moderated chat for live Q&A.

About Exam AZ-104: Microsoft Azure Administrator

Exam AZ-104 **is required to earn the** **Azure Administrator Associate certification.**

This exam measures your ability to accomplish the following technical tasks: manage Azure identities and governance, implement and manage storage, deploy and manage Azure compute resources, configure and manage virtual networking, and monitor and back up Azure resources.

As a candidate for this exam, you should have at least six months of hands-on experience administering Azure, along with a strong understanding of core Azure services, Azure workloads, security, and governance. In addition, you need experience using PowerShell, Azure CLI, Azure portal, and Azure Resource Manager templates.

Related instructor-led training

Learners can attend the Exam Prep session before or after taking either of these courses:

AZ-104T00: Microsoft Azure Administrator
AZ-010T00: Azure Administration for AWS SysOps

(→) **Review Study Guide for Exam AZ-104**

Exam Prep session for Exam AZ-500

Microsoft Azure Security Technologies

Session details

This Exam Prep session provides practical details on how best to prepare for **Exam AZ-500: Microsoft Azure Security Technologies.** In the digital session that usually lasts three to four hours, the instructor helps to identify the key knowledge requirements for **Exam AZ-500**, along with its objective domains, and offers suggestions on how to allocate the study time to cover them. Students learn tips for approaching exam questions and explore how to interpret them. They also get details on the various question formats and check out the scoring methodology. The Exam Prep session includes a moderated chat for live Q&A.

About Exam AZ-500: Microsoft Azure Security Technologies

Exam AZ-500 is required to earn the Azure Security Engineer Associate certification.

This exam measures the ability to accomplish the following technical tasks, manage identity and access, implement platform protection, manage security operations, and secure data and applications.

Candidates for this exam should have strong skills in scripting and automation. Candidates also need a deep understanding of networking, virtualization, and cloud N-tier architecture, along with a strong familiarity with cloud capabilities, products, and services for Azure, plus other Microsoft products and services.

Related instructor-led training

Learners can attend the Exam Prep session before or after taking this course:

AZ-500T00: Microsoft Azure Security Technologies

⊕ **Review Study Guide for Exam AZ-500**

Exam Prep session for Exam AZ-400

Designing and Implementing Microsoft DevOps Solutions

Session details

This Exam Prep session provides practical details on how best to prepare for **Exam AZ-400: Designing and Implementing Microsoft DevOps Solutions.** In the digital session that usually lasts three to four hours, the instructor helps to identify the key knowledge requirements for **Exam AZ-400**, along with its objective domains, and offers suggestions on how to allocate the study time to cover them. Students learn tips for approaching exam questions and explore how to interpret them. They also get details on the various question formats and check out the scoring methodology. The Exam Prep session includes a moderated chat for live Q&A.

About Exam AZ-400: Designing and Implementing Microsoft DevOps Solutions

Exam AZ-400 is required to earn the DevOps Engineer Expert certification.

This exam measures the ability to accomplish the following technical tasks: develop an instrumentation strategy, a Site Reliability Engineering (SRE) strategy, and a security and compliance plan; manage source control; facilitate communication and collaboration; and define and implement continuous integration and a continuous delivery-and-release management strategy.

Candidates for this exam should be familiar with both Azure administration and development and must be expert in at least one of these areas.

Related instructor-led training

Learners can attend the Exam Prep session before or after taking this course:

AZ-400T00: Designing and Implementing Microsoft DevOps Solutions

→ **Review Study Guide for Exam AZ-400**

Exam Prep session for Exam AZ-303

Microsoft Azure Architect Technologies

Session details

This Exam Prep session provides practical details on how best to prepare for **Exam AZ-303: Microsoft Azure Architect Technologies.** In the digital session that usually lasts three to four hours, the instructor helps to identify the key knowledge requirements for **Exam AZ-303**, along with its objective domains, and offers suggestions on how to allocate the study time to cover them. Students learn tips for approaching exam questions and explore how to interpret them. They also get details on the various question formats and check out the scoring methodology. The Exam Prep session includes a moderated chat for live Q&A.

About Exam AZ-303: Microsoft Azure Architect Technologies

Exam AZ-303 is required to earn the Azure Solutions Architect Expert certification.

This exam measures the ability to accomplish the following technical tasks: implement and monitor an Azure infrastructure; implement management and security solutions; implement solutions for apps; and implement and manage data platforms.

Candidates for this exam should have advanced experience and knowledge of IT operations, including networking, virtualization, identity, security, business continuity, disaster recovery, data platform, budgeting, and governance. In addition, candidates should have expert-level skills in Azure administration and have experience with Azure development and DevOps processes.

Related instructor-led training

Learners can attend the Exam Prep session before or after taking either of these courses:

AZ-303T00: Microsoft Azure Architect Technologies
AZ-030T00: Microsoft Azure Technologies for AWS Architects

→ **Review Study Guide for Exam AZ-303**

Exam Prep session for Exam AZ-304

Microsoft Azure Architect Design

Session details

This Exam Prep session provides practical details on how best to prepare for **Exam AZ-304: Microsoft Azure Architect Design.** In the digital session that usually lasts three to four hours, the instructor helps to identify the key knowledge requirements for **Exam AZ-304**, along with its objective domains, and offers suggestions on how to allocate the study time to cover them. Students learn tips for approaching exam questions and explore how to interpret them. They also get details on the various question formats and check out the scoring methodology. The Exam Prep session includes a moderated chat for live Q&A.

About Exam AZ-304: Microsoft Azure Architect Design

Exam AZ-304 is required to earn the Azure Solutions Architect Expert certification.

This exam measures the ability to accomplish the following technical tasks: design monitoring, design identity and security, design data storage, design business continuity, and design infrastructure.

Candidates for this exam should have advanced experience and knowledge of IT operations, including networking, virtualization, identity, security, business continuity, disaster recovery, data platform, budgeting, and governance. In addition, candidates should have expert-level skills in Azure administration and have experience with Azure development and DevOps processes.

Related instructor-led training

Learners can attend the Exam Prep session before or after taking this course:

AZ-304T00: Microsoft Azure Architect Design

→ **Review Study Guide for Exam AZ-304**

Exam Prep session for Exam AZ-204
Developing Solutions for Microsoft Azure

Session details

This Exam Prep session provides practical details on how best to prepare for **Exam AZ-204: Developing Solutions for Microsoft Azure**. In the digital session that usually lasts three to four hours, the instructor helps to identify the key knowledge requirements for **Exam AZ-204,** along with its objective domains, and offers suggestions on how to allocate the study time to cover them. Students learn tips for approaching exam questions and explore how to interpret them. They also get details on the various question formats and check out the scoring methodology. The Exam Prep session includes a moderated chat for live Q&A.

About Exam AZ-204: Developing Solutions for Microsoft Azure

Exam AZ-204 is required to earn the Azure Developer Associate certification.

This exam measures the ability to accomplish the following technical tasks: develop Azure compute solutions; develop for Azure storage; implement Azure security; monitor, troubleshoot, and optimize Azure solutions; and connect to and consume Azure services and third-party services.

Candidates for this exam should have one to two years of professional development experience and experience with Azure. In addition, they need the ability to program in a language supported by Azure. Plus, they should have proficiency in Azure SDKs, Azure PowerShell, Azure CLI, data storage options, data connections, APIs, app authentication and authorization, compute and container deployment, debugging, performance tuning, and monitoring.

Related instructor-led training

Learners can attend the Exam Prep session before or after taking either of these courses:

AZ-204T00: Developing Solutions for Microsoft Azure
AZ-020T00 Microsoft Azure solutions for AWS developers

→ Review Study Guide for Exam AZ-204

Exam Prep session for Exam DP-300

Administering Relational Databases on Microsoft Azure

Session details

This Exam Prep session provides practical details on how best to prepare for **Exam DP-300: Administering Relational Databases on Microsoft Azure.** In the digital session that usually lasts three to four hours, the instructor helps to identify the key knowledge requirements for **Exam DP-300**, along with its objective domains, and offers suggestions on how to allocate the study time to cover them. Students learn tips for approaching exam questions and explore how to interpret them. They also get details on the various question formats and check out the scoring methodology. The Exam Prep session includes a moderated chat for live Q&A.

About Exam DP-300: Administering Relational Databases on Microsoft Azure

Exam DP-300 is required to earn the Azure Database Administrator Associate certification.

This exam measures the ability to accomplish the following technical tasks: plan and implement data platform resources, implement a secure environment, monitor and optimize operational resources, optimize query performance, perform automation of tasks, plan and implement a high availability and disaster recovery (HADR) environment, and perform administration by using T-SQL.

Candidates for this exam should be data management specialists with subject matter expertise implementing and managing cloud and on-premises relational databases built on top of Microsoft SQL Server and Azure data services. They should have experience using a variety of methods and tools to perform day-to-day operations, including applying knowledge of using T-SQL.

Related instructor-led training

Learners can attend the Exam Prep session before or after taking this course:

DP-300T00 Administering Relational Databases on Microsoft Azure

→ **Review Study Guide for Exam DP-300**

Exam Prep session for Exam DP-200

Implementing an Azure Data Solution

Session details

This Exam Prep session provides practical details on how best to prepare for **Exam DP-200: Implementing an Azure Data Solution.** In the digital session that usually lasts three to four hours, the instructor helps to identify the key knowledge requirements for **Exam DP-200**, along with its objective domains, and offers suggestions on how to allocate the study time to cover them. Students learn tips for approaching exam questions and explore how to interpret them. They also get details on the various question formats and check out the scoring methodology. The Exam Prep session includes a moderated chat for live Q&A.

About Exam DP-200: Implementing an Azure Data Solution

Exam DP-200 is required to earn the Azure Data Engineer Associate certification.

This exam measures the ability to accomplish the following technical tasks: implement data storage solutions, manage and develop data processing, and monitor and optimize data solutions.

Candidates for this exam should be able to implement data solutions that use various Azure services, like Azure Cosmos DB, Azure SQL Database, Azure Synapse Analytics, Azure Data Lake Storage, Azure Data Factory, Azure Stream Analytics, Azure Databricks, and Azure Blob Storage.

Related instructor-led training

Learners can attend the Exam Prep session before or after taking this course:

DP-200T01: Implementing an Azure Data Solution

⊙ **Review Study Guide for Exam DP-200**

Exam Prep session for Exam DP-201

Designing an Azure Data Solution

Session details

This Exam Prep session provides practical details on how best to prepare for **Exam DP-201: Designing an Azure Data Solution.** In the digital session that usually lasts three to four hours, the instructor helps to identify the key knowledge requirements for **Exam DP-201**, along with its objective domains, and offers suggestions on how to allocate the study time to cover them. Students learn tips for approaching exam questions and explore how to interpret them. They also get details on the various question formats and check out the scoring methodology. The Exam Prep session includes a moderated chat for live Q&A.

About Exam DP-201: Designing an Azure Data Solution

Exam DP-201 is required to earn the Azure Data Engineer Associate certification.

This exam measures the ability to accomplish the following technical tasks: design Azure data storage solutions, design data processing solutions, and design for data security and compliance.

Candidates for this exam should be able to design data solutions that use various Azure services, like Azure Cosmos DB, Azure SQL Database, Azure Synapse Analytics, Azure Data Lake Storage, Azure Data Factory, Azure Stream Analytics, Azure Databricks, and Azure Blob storage.

Related instructor-led training

Learners can attend the Exam Prep session before or after taking this course:

DP-201T01: Designing an Azure Data Solution

⊙ **Review Study Guide for Exam DP-201**

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Exam Prep session for Exam AI-102

Designing and Implementing a Microsoft Azure AI Solution

Session details

This Exam Prep session provides practical details on how best to prepare for **Exam AI-102: Designing and Implementing a Microsoft Azure AI Solution.** In the digital session that usually lasts three to four hours, the instructor helps to identify the key knowledge requirements for **Exam AI-102**, along with its objective domains, and offers suggestions on how to allocate the study time to cover them. Students learn tips for approaching exam questions and explore how to interpret them. They also get details on the various question formats and check out the scoring methodology. The Exam Prep session includes a moderated chat for live Q&A.

About Exam AI-102: Designing and Implementing a Microsoft Azure AI Solution

Exam AI-102 is required to earn the Azure AI Engineer Associate certification.

This exam measures the ability to accomplish the following technical tasks: plan and manage an Azure Cognitive Services solution; and implement solutions with computer vision, natural language processing, knowledge mining, and conversational AI.

Candidates for this exam should be proficient in C#, Python, or JavaScript and they should be able to use REST-based APIs and SDKs to build computer vision, natural language processing, knowledge mining, and conversational AI solutions on Azure. Candidates should also understand the components that make up the Azure AI portfolio and the available data storage options. Plus, they need to understand and be able to apply responsible AI principles.

Related instructor-led training

Learners can attend the Exam Prep session before or after taking this course:

AI-102T01: Designing and Implementing an Azure AI Solution

→ **Review Study Guide for Exam AI-102**

Exam Prep session for Exam DP-100

Designing and Implementing a Data Science Solution on Azure

Session details

This Exam Prep session provides practical details on how best to prepare for **Exam DP-100: Designing and Implementing a Data Science Solution on Azure.** In the digital session that usually lasts three to four hours, the instructor helps to identify the key knowledge requirements for **Exam DP-100**, along with its objective domains, and offers suggestions on how to allocate the study time to cover them. Students learn tips for approaching exam questions and explore how to interpret them. They also get details on the various question formats and check out the scoring methodology. The Exam Prep session includes a moderated chat for live Q&A.

About Exam DP-100: Designing and Implementing a Data Science Solution on Azure

Exam DP-100 is required to earn the Azure Data Scientist Associate certification.

This exam measures the ability to accomplish the following technical tasks: set up an Azure Machine Learning workspace, run experiments and train models, optimize and manage models, and deploy and consume models.

Candidates for this exam should have knowledge and experience in data science and using Azure Machine Learning.

Related instructor-led training

Learners can attend the Exam Prep session before or after taking this course:

DP-100T01: Designing and Implementing a Data Science Solution on Azure

→ Review Study Guide for Exam DP-100

Exam Prep session for Exam DA-100
Analyzing Data with Microsoft Power BI

Session details

This Exam Prep session provides practical details on how best to prepare for **Exam DA-100: Analyzing Data with Microsoft Power BI.** In the digital session that usually lasts three to four hours, the instructor helps to identify the key knowledge requirements for **Exam DA-100**, along with its objective domains, and offers suggestions on how to allocate the study time to cover them. Students learn tips for approaching exam questions and explore how to interpret them. They also get details on the various question formats and check out the scoring methodology. The Exam Prep session includes a moderated chat for live Q&A.

About Exam DA-100: Analyzing Data with Microsoft Power BI

Exam DA-100 is required to earn the Data Analyst Associate certification.

This exam measures the ability to accomplish the following technical tasks: prepare the data; model the data; visualize the data; analyze the data; and deploy and maintain deliverables.

Candidates for this exam need a fundamental understanding of data repositories and data processing in the cloud and in on-premises settings. In addition, they should have knowledge and experience with Power BI.

Related instructor-led training

Learners can attend the Exam Prep session before or after taking this course:

DA-100T00: Analyzing Data with Power BI

⊙ **Review Study Guide for Exam DA-100**

Exam Prep session for Exam DP-900

Microsoft Azure Data Fundamentals

Session details

This Exam Prep session provides practical details on how best to prepare for **Exam DP-900: Microsoft Azure Data Fundamentals.** In the digital session that usually lasts three to four hours, the instructor helps to identify the key knowledge requirements for **Exam DP-900**, along with its objective domains, and offers suggestions on how to allocate the study time to cover them. Students learn tips for approaching exam questions and explore how to interpret them. They also get details on the various question formats and check out the scoring methodology. The Exam Prep session includes a moderated chat for live Q&A.

About Exam DP-900: Microsoft Azure Data Fundamentals

Exam DP-900 is required to earn the Azure Data Fundamentals certification.

This exam measures the ability to accomplish the following technical tasks: describe core data concepts, describe how to work with relational and non-relational data on Azure, and describe an analytics workload on Azure.

Candidates for this exam should be familiar with the concepts of relational and non-relational data and with different types of data workloads, such as transactional or analytical.

Related instructor-led training

Learners can attend the Exam Prep session before or after taking this course:

DP-900T00: Microsoft Azure Data Fundamentals

(→) **Review Study Guide for Exam DP-900**

Exam Prep session for Exam AI-900
Microsoft Azure AI Fundamentals

Session details

This Exam Prep session provides practical details on how best to prepare for **Exam AI-900: Microsoft Azure AI Fundamentals.** In the digital session that usually lasts three to four hours, the instructor helps to identify the key knowledge requirements for **Exam AI-900**, along with its objective domains, and offers suggestions on how to allocate the study time to cover them. Students learn tips for approaching exam questions and explore how to interpret them. They also get details on the various question formats and check out the scoring methodology. The Exam Prep session includes a moderated chat for live Q&A.

About Exam AI-900: Microsoft Azure AI Fundamentals

Exam AI-900 is required to earn the Azure AI Fundamentals certification.

This exam measures the ability to accomplish the following technical tasks: describe AI workloads and considerations, fundamental principles of machine learning on Azure, features of computer vision workloads on Azure, and features of conversational AI workloads on Azure.

Candidates for this exam should be able to demonstrate knowledge of common machine learning and artificial intelligence workloads and how to implement them on Azure.

Related instructor-led training

Learners can attend the Exam Prep session before or after taking this course:

AI-900T00: Microsoft Azure AI Fundamentals

→ Review Study Guide for Exam AI-900

Exam Prep session for Exam PL-400

Microsoft Power Platform Developer

Session details

This Exam Prep session provides practical details on how best to prepare for **Exam PL-400: Microsoft Power Platform Developer.** In the digital session that usually lasts three to four hours, the instructor helps to identify the key knowledge requirements for **Exam PL-400**, along with its objective domains, and offers suggestions on how to allocate the study time to cover them. Students learn tips for approaching exam questions and explore how to interpret them. They also get details on the various question formats and check out the scoring methodology. The Exam Prep session includes a moderated chat for live Q&A.

About Exam PL-400: Microsoft Power Platform Developer

Exam PL-400 is required to earn the Power Platform Developer Associate certification.

This exam measures the ability to accomplish the following technical tasks: create a technical design, configure Common Data Service, create and configure Power Apps, configure business process automation, extend the user experience, extend the platform, and develop integrations.

Candidates for this exam need knowledge and experience designing, developing, securing, and extending Microsoft Power Platform solutions. Plus, they must be able to create components of a solution that include application enhancements, custom user experience, system integrations, data conversions, custom process automation, and custom visualizations.

Related instructor-led training

Learners can attend the Exam Prep session before or after taking this course:

PL-400T00: Microsoft Power Platform Developer

→ **Review Study Guide for Exam PL-400**

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