Azure Solutions Architect Expert (AZ-305)

Design identity, data, continuity and infrastructure solutions on Azure, aligned to AZ-305.

DURATION	FORMAT	LEVEL	LABS
50 hours	Onsite, online or hybrid	Advanced	Cloud sandbox included

About this programme

For experienced Azure professionals moving into architecture: designing identity, governance and monitoring, data storage, business continuity and infrastructure solutions, with case studies and preparation for the AZ-305 Azure Solutions Architect Expert exam.

Who it is for: Solution architects, senior cloud engineers and experienced Azure administrators

What your team will be able to do

- Design logging, monitoring, authentication and governance solutions
- Design relational and non-relational storage with the right tiers and redundancy
- Design backup, disaster recovery and high availability for Azure and hybrid workloads
- Design compute, application architecture, migration and network solutions
- Prepare for the AZ-305 exam with case studies and practice

Before you start

- Azure administration experience (AZ-104 level)
- Some experience designing applications or infrastructure

Course outline

1. Design identity, governance and monitoring

- Logging and monitoring with Azure Monitor and Log Analytics
- Authentication and authorisation with Microsoft Entra ID and RBAC
- Governance with Azure Policy, management groups, subscriptions and resource groups

2. Design data storage solutions

- Relational data storage solutions
- Non-relational data storage solutions
- Service tiers, encryption, redundancy and durability

3. Design business continuity

- Backup and disaster recovery for Azure, hybrid and on-premises workloads
- High availability with availability zones and availability sets

4. Design infrastructure solutions

- Compute: virtual machines, containers and serverless
- Application architecture
- Migrations
- Network connectivity to the internet and on-premises networks

5. Applying the design skills

- Case studies on real-world design scenarios
- Hands-on labs
- Practice exams and readiness review

Sample schedule

7 days onsite, or 13 half-day sessions online. We fit days and session lengths to your team's calendar.

Day 1	8 h	Design identity, governance and monitoring
Day 2	8 h	Design identity, governance and monitoring (continued); Design data storage solutions
Day 3	8 h	Design data storage solutions (continued); Design business continuity
Day 4	8 h	Design business continuity (continued); Design infrastructure solutions
Day 5	8 h	Design infrastructure solutions (continued)
Day 6	8 h	Applying the design skills
Day 7	2 h	Applying the design skills (continued)

Assessment and certification

How learning is checked

- A short knowledge check on day one and again at the end, so you can see each person's progress
- Graded hands-on labs in every module, reviewed by the trainer
- A final exercise that applies the programme to a problem like your team's own
- A timed practice exam in the format of the real one, with a review of every answer

Certificate and exams

- Participants who complete the programme receive a Cognitive Networks AI certificate of completion.
- Prepares your team for the Microsoft AZ-305 exam. Exam vouchers are not included: each participant books the exam with Microsoft.

Formats and cohort size

- Onsite: At your office or a venue you choose, in full days.
- Online, live: Instructor-led over video, usually in half-day sessions so people can keep up with work.
- Hybrid: Some days in a room together, the rest online. Useful when a team works across cities.

Cohort size: 15 to 25 people per trainer. Larger teams run as parallel cohorts on the same outline, so everyone learns the same thing.

Pricing: We quote per cohort, based on duration, format and number of cohorts. There is no per-seat price list: tell us your team and we send a proposal within one business day.

Bring this programme to your team

Request a proposal at cognitivenetworks.ai/contact?programme=az-305

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