

Designing Microsoft Azure Infrastructure Solutions

AZ-305T00-AC



Course Name	Designing Microsoft Azure Infrastructure Solutions
Course Code	AZ-305T00-AC
Course Duration	4 Days
Course Structure	Instructor-Led
Course Overview	This course teaches Azure Solution Architects how to design infrastructure solutions. Course topics cover governance, compute, application architecture, storage, data integration, authentication and identity, networks, high availability, business continuity, and migrations. The course combines lecture with case studies to demonstrate basic architect design principles.
Audience Profile	Successful students have experience and knowledge in IT operations, including networking, virtualization, identity, security, business continuity, disaster recovery, data platforms, and governance. Students also have experience designing and architecting solutions.
Course Prerequisites	Before attending this course, students must have previous experience deploying or administering Azure resources and strong conceptual knowledge of: <ul style="list-style-type: none"> • Azure Active Directory • Azure compute technologies such as VMs, containers and serverless solutions • Azure virtual networking to include load balancers • Azure Storage technologies (unstructured and databases) • General application design concepts such as messaging and high availability
Course Outcome	After completing this course, students will be able to: <ul style="list-style-type: none"> • Design a governance solution. • Design a compute solution. • Design an application architecture. • Design storage, non-relational and relational. • Design data integration solutions. • Design authentication, authorization, and identity solutions. • Design network solutions. • Design backup and disaster recovery solutions. • Design monitoring solutions.

<p>Assessment/Evaluation</p>	<ul style="list-style-type: none"> • Design migration solutions. <p>This course will prepare delegates to take the exam: AZ-305T00 Designing Microsoft Azure Infrastructure Solutions</p> <p>Successfully passing this exam will result in the attainment of the Designing Microsoft Azure Infrastructure Solutions Certification and Certificate of Attendance issued by IT-IQ Botswana</p>
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<p>Course Details</p>	
<p>Topic</p>	<p>Topic 1: Design governance and compute solutions In this Topic you will learn about governance and compute solutions.</p> <p>Lesson</p> <ul style="list-style-type: none"> • Design a governance solution • Design a compute solution <p>Lab: Case studies</p> <p>After completing this Topic, students will be able to:</p> <ul style="list-style-type: none"> • Design a governance solution. • Design a compute solution. <p>Topic 2: Design storage and data integration solutions In this Topic, you will learn about non-relational storage, relational storage, and data integration solutions.</p> <p>Lesson</p> <ul style="list-style-type: none"> • Design a non-relational storage solution • Design a relational storage solution • Design a data integration solution

Lab: Case studies

After completing this Topic, students will be able to:

- Design a non-relational storage solution.
- Design a relational storage solution.
- Design a data integration solution.

Topic 3: Design app architecture, access, and monitoring solutions

In this Topic you will learn about app architecture, authentication and authorization, and logging and monitoring solutions.

Lesson

- Design an app architecture solution
- Design authentication and authorization solutions
- Design a logging and monitoring solution

Lab: Case studies

After completing this Topic, students will be able to:

- Design an app architecture solution.
- Design authentication and authorization solutions.
- Design a logging and monitoring solution.

Topic 4: Design network, continuity, and migration solutions

In this Topic you will learn about networking, business continuity, and migration solutions.

Lesson

- Design a network infrastructure solution
- Design a business continuity solution
- Design a migration solution

Lab: Case studies

	<p>After completing this Topic, students will be able to:</p> <ul style="list-style-type: none">• Design a networking infrastructure solution.• Design a business continuity solution.• Design a migration solution.
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