Designing Microsoft Azure Infrastructure Solutions

Varighed: 4 Days**Kursus Kode: M-AZ305****Leveringsmetode: Company event (Firmakursus)**

Beskrivelse:

This course teaches Azure Solution Architects how to design infrastructure solutions. Course topics cover governance, compute, application architecture, storage, data integration, authentication, networks, business continuity, and migrations. The course combines lecture with case studies to demonstrate basic architect design principles.

Company Events

These events can be delivered exclusively for your company at our locations or yours, specifically for your delegates and your needs. The Company Events can be tailored or standard course deliveries.

Målgruppe:

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.

Agenda:

- **Skills gained**

- Design a governance solution.

- Design a compute solution.

- Design an application architecture.

Forudsætninger:

Before attending this course, students must have previous experience deploying or administering Azure resources and conceptual knowledge of:

- 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
- M-AZ104 - Microsoft Azure Administrator

Indhold:

Module 1: Design compute and application solutions

In this module you will learn about governance, compute, and application architectures.

Lessons of Module 1

- Design for governance
- Design for compute solutions
- Design for application architectures

Lab : Case studies of Module 1

After completing this module, students will be able to:

- Design a governance solution.
- Design a compute solution.
- Design an application architecture.
- Design non-relational storage solutions.
- Design relational storage solutions.
- Design a data integration solution.
- Design authentication and authorization solutions.
- Design network solutions.
- Design backup and disaster recovery.
- Design monitoring solutions.
- Design for migrations.

Module 2: Design storage solutions

In this module, you will learn about non-relational storage, relational storage, and data integration solutions.

Lessons of Module 2

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

Lab : Case studies of Module 2

After completing this module, students will be able to:

- Design a governance solution.
- Design a compute solution.
- Design an application architecture.
- Design non-relational storage solutions.
- Design relational storage solutions.
- Design a data integration solution.
- Design authentication and authorization solutions.
- Design network solutions.
- Design backup and disaster recovery.
- Design monitoring solutions.
- Design for migrations.

Module 3: Design networking and access solutions

In this module you will learn about authentication and authorization, identity and access for applications, and networking solutions.

Lessons of Module 3

- Design authentication and authorization solutions
- Design networking solutions

Lab : Case studies of Module 3

After completing this module, students will be able to:

- Design a governance solution.
- Design a compute solution.
- Design an application architecture.
- Design non-relational storage solutions.
- Design relational storage solutions.
- Design a data integration solution.
- Design authentication and authorization solutions.
- Design network solutions.
- Design backup and disaster recovery.
- Design monitoring solutions.
- Design for migrations.

Module 4: Design business continuity solutions

Lessons of Module 4

- Design for backup and disaster recovery
- Design monitoring solutions
- Design for migrations

Lab : Case studies of Module 4

After completing this module, students will be able to:

- Design a governance solution.
- Design a compute solution.
- Design an application architecture.
- Design non-relational storage solutions.
- Design relational storage solutions.
- Design a data integration solution.
- Design authentication and authorization solutions.
- Design network solutions.
- Design backup and disaster recovery.
- Design monitoring solutions.
- Design for migrations.

Flere Informationer:

For yderligere informationer eller booking af kursus, kontakt os på tlf.nr.: 44 88 18 00

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