

Section I: Workload Requirements
Preparation Course for Exam AZ-301
Microsoft Azure Architect Design

[Determine workload requirements \(10-15%\)](#)

Gather Information and Requirements

Identify compliance requirements, identity and access management infrastructure, and service-oriented architectures (e.g., integration patterns, service design, service discoverability); identify accessibility (e.g. Web Content Accessibility Guidelines), availability (e.g. Service Level Agreement), capacity planning and scalability, deploy-ability (e.g., repositories, failback, slot-based deployment), configurability, governance, maintainability (e.g. logging, debugging, troubleshooting, recovery, training), security (e.g. authentication, authorization, attacks), and sizing (e.g. support costs, optimization) requirements; recommend changes during project execution (ongoing); evaluate products and services to align with solution; create testing scenarios

- [What is Azure Active Directory?](#)
- [What is Azure Active Directory B2C?](#)
- [Azure Active Directory \(AD\) Domain Services](#)
- [What is Service Fabric Mesh?](#)
- [Service-oriented architecture](#)
- [Azure Architecture Center](#)
- [Web Content Accessibility Guidelines 2.1](#)
- [SLA summary for Azure services](#)
- [Capability planning and scaling for Azure Service Fabric](#)
- [Set up staging environments in Azure App Services](#)
- [Azure Management - Governance](#)
- [Overview of Management services in Azure](#)
- [Overview of the Azure Policy service](#)
- [Azure logging and auditing](#)
- [What is Monitoring?](#)
- [What is Azure Security Center?](#)
- [Pricing calculator](#)

- [What is the Cloudfn service?](#)
- [Quickstart: Explore and analyze costs with Cost analysis](#)
- [What is Continuous Delivery?](#)
- [Development and test](#)

Optimize Consumption Strategy

Optimize app service, compute, identity, network, and storage costs

- [App Service overview](#)
- [Introduction to the App Service Environments](#)
- [Decision tree for Azure compute services](#)
- [Networking considerations for an App Service Environment](#)
- [Block blob pricing](#)

Design an Auditing and Monitoring Strategy

Define logical groupings (tags) for resources to be monitored; determine levels and storage locations for logs; plan for integration with monitoring tools; recommend appropriate monitoring tool(s) for a solution; specify mechanism for event routing and escalation; design auditing for compliance requirements; design auditing policies and traceability requirements

- [Use tags to organize your Azure resources](#)
- [Azure storage analytics logging](#)
- [Azure Monitor overview](#)
- [Use Azure Monitor to integrate with SIEM tools](#)
- [What is Azure Event Grid?](#)
- [Security & Identity](#)