

To support the Microsoft Azure role-based certification and training courses, Skillable has launched a dedicated collection of Challenge Labs to support Azure Architects who have advanced experience with virtualization, identity, security, business continuity, disaster recovery, data management, budgeting, and governance. Challenge Labs within the [Microsoft Azure Architect Technologies Collection](#) are short in duration, scenario based, hands-on activity that includes a means of assessment.

This collection is comprised of over 65 Challenge Labs and contains over 30 hours of hands-on practice and supports the [Microsoft Exam AZ-303: Microsoft Azure Architect Technologies](#) competencies.

IMPORTANT!!

Before you or your students begin, please ensure you have set aside enough time to complete Challenge Labs as you will not be able to pause, save, or return to your progress.

Getting Started – approximately 60 minutes to complete

Guided Challenge – approximately 30 minutes to complete

Advanced Challenge – approximately 45 minutes to complete

Expert Challenge – approximately 60 minutes to complete

The listing below shows which Challenge Labs support the specified Microsoft Exam AZ-303: Microsoft Azure Architect Technologies competencies. **Note: Challenge Labs may support more than one competency.*

Implement and Monitor an Azure Infrastructure (50-55%)

Challenge Labs Name

ID

Configure Monitoring of an Azure VM Using Log Analytics [Guided]	AA-004
Getting Started with Azure Infrastructure Solutions [Getting Started]	AIS-000
Create Linux Virtual Machines in an Availability Set [Guided]	AIS-001
Can You Configure a Load-Balanced Virtual Machine Scale Set? [Advanced]	AIS-004
Configure Route Tables in a Virtual Network [Guided]	ANS-002
Configure Global Virtual Network Peering [Guided]	ANS-003
Getting Started with Azure Storage, Virtual Machines, and Monitoring [Getting Started]	AZ300.1-000
Implement and Manage Azure Storage [Guided]	AZ300.1-001
Manage Access to Azure Storage [Guided]	AZ300.1-002

Monitor Azure Storage [Guided]	AZ300.1-003
Can You Implement, Manage, and Monitor Azure Storage? [Advanced]	AZ300.1-004
Automate the Deployment of an Azure Virtual Machine by Using an Azure Resource Manager Template [Guided]	AZ300.1-005
Deploy an Azure Virtual Machine by Using Azure PowerShell [Guided]	AZ300.1-006
Deploy an Azure Virtual Machine by Using Azure CLI 2.0 [Guided]	AZ300.1-007
Can You Automate Deployment of Azure Virtual Machines? [Advanced]	AZ300.1-008
Configure Diagnostic Settings on an Azure Virtual Machine [Guided]	AZ300.1-009
Collect Log Data from Windows Computers [Guided]	AZ300.1-010
Collect Log Data from Linux Computers [Guided]	AZ300.1-011
Create an Azure Virtual Machine Alert [Guided]	AZ300.1-012
Can You Monitor an Azure Virtual Machine? [Advanced]	AZ300.1-013
Can You Create, Manage, and Monitor Azure Virtual Machines and Storage? [Expert]	AZ300.1-014
Implement and Manage Virtual Networking [Guided]	AZ300.2-001
Implement Azure Virtual Network Routing [Guided]	AZ300.2-002
Configure an Azure VNET to VNET Connections [Guided]	AZ300.2-005
Create an Azure Virtual Machine Snapshot [Guided]	AZ300.2-011
Can You Manage Azure Network Connectivity and High Availability of Resources? [Expert]	AZ300.2-013
Getting Started with Azure Active Directory [Getting Started]	AZ300.3-000
Install and Configure Azure AD Connect [Guided]	AZ300.3-001
Configure Self-Service Password Reset [Guided]	AZ300.3-002
Can You Manage an Azure Active Directory Hybrid Environment? [Advanced]	AZ300.3-003
Implement Multi-Factor Authentication for an Azure Active Directory User [Guided]	AZ300.3-009
Implement an Azure Conditional Access Policy [Guided]	AZ300.3-010
Can You Control Azure Active Directory Authentication and Access? [Advanced]	AZ300.3-011
Can You Implement and Govern an Azure AD Environment? [Expert]	AZ300.3-012
Provision an Azure Container Registry [Guided]	CSAA-004a
Provision a Container-Based Web App [Guided]	CSAA-005
Can You Provision a Serverless Container-Based Environment? [Advanced]	CSAA-006
Can You Monitor a Web App? [Advanced]	CSMMS-007
Can You Manage, Monitor, and Secure Azure Platform Services? [Expert]	CSMMS-012
Configure Blob Storage with Public Access [Guided]	CSST-001
Configure Blob Storage with Private Access [Guided]	CSST-002
Can You Provision Public and Private Blob Storage for a Web App? [Advanced]	CSST-003

Implement Management and Security Solutions (25-30%)

Challenge Labs Name

	ID
Getting Started with Azure Architect Technology Solutions [Getting Started]	AATS-000
Configure Geo-Replication for Your Database [Guided]	AATS-001

Enable Dynamic Data Masking by Using Azure SQL Database [Guided]	AATS-002
Enable VM Backup by Using Recovery Services Vault [Guided]	AATS-005
Use Managed Identities [Guided]	AATS-007
Configure Continuous Deployment by Using GIT and Deployment Slots [Guided]	AATS-008
Create and Manage a VM Scale Set [Guided]	AIS-002
Can You Implement a Secure Azure Virtual Machine Network? [Advanced]	ANS-004
Can You Implement Security for an Azure Web App? [Advanced]	ANS-007
Getting Started with Networking and High Availability [Getting Started]	AZ300.2-000
Implement Network Security Groups and Application Security Groups [Guided]	AZ300.2-003
Can You Configure Azure Virtual Networking? [Advanced]	AZ300.2-004
Configure Azure Virtual Network Peering [Guided]	AZ300.2-006
Implement an Azure Load Balancer [Guided]	AZ300.2-007
Can You Configure and Control Network Traffic? [Advanced]	AZ300.2-008
Implement Azure Backup for Azure Virtual Machines [Guided]	AZ300.2-009
Migrate an Azure Virtual Machine by Using a Recovery Services Vault [Guided]	AZ300.2-010
Can You Implement Azure Data Protection? [Advanced]	AZ300.2-012
Implement Azure Policy [Guided]	AZ300.3-004
Implement Role-Based Access Control [Guided]	AZ300.3-005
Create Role-Based Access Control Custom Roles [Guided]	AZ300.3-006
Implement Managed Identities for Azure Virtual Machines [Guided]	AZ300.3-007
Can You Configure Governance over Azure Active Directory Security Principals? [Advanced]	AZ300.3-008
Can You Manage, Monitor, and Secure Azure Platform Services? [Expert]	CSMMS-012
Can You Provision Public and Private Blob Storage for a Web App? [Advanced]	CSST-003
Provision an Azure Cosmos DB Account [Guided]	IADS-001

Implement Solutions for Apps (10-15%)

Challenge Labs Name

Challenge Labs Name	ID
Provision a Function App [Guided]	CSAA-001
Provision an Azure Container Instance [Guided]	CSAA-004a
Provision an Azure Container Registry [Guided]	CSAA-004r
Provision a Container-Based Web App [Guided]	CSAA-005
Can You Provision a Serverless Container-Based Environment? [Advanced]	CSAA-006
Provision Web Apps [Guided]	CSMMS-001
Deploy a Web Job [Guided]	CSMMS-002
Autoscale a Web App [Guided]	CSMMS-003
Can You Manage a Web App? [Advanced]	CSMMS-004
Set an Azure Alert for a Web App [Guided]	CSMMS-006
Can You Monitor a Web App? [Advanced]	CSMMS-007
Design Azure App Service Web Apps [Guided]	HCARM-001
Deploy Workloads on Azure Resource Manager Virtual Machines [Guided]	HCARM-004

Reference Guide

Microsoft Azure Architect Technologies Collection (AZ-303)

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Monitor an Azure Virtual Machine [Guided]

HCARM-005

Can You Design and Implement a Storage Solution on an Azure Virtual Machine?
[Advanced]

HCARM-006

Develop Azure Logic Apps Using Messaging Services [Guided]

HCARM-008

Implement and Manage Data Platforms (10-15%)

Challenge Lab Name

ID

Can You Manage, Monitor, and Secure Azure Platform Services? [Expert]

CSMMS-012

Integrate a Cosmos DB Database by Using the Table API [Guided]

CSSD-008

Provision an Azure Cosmos DB [Guided]

CSST-007

Design an Azure Cosmos DB Account for High Availability [Guided]

DADS-001

Deploy Resources by Using an Azure Resource Manager Template [Guided]

HCS-008

Provision an Azure Cosmos DB Account [Guided]

IADS-001