# Microsoft Azure:
# Administration & Governance

## WorkshopPLUS

**Focus Area:** Security and Compliance

**Duration:** 4 Days

**Difficulty:** 300

## Overview

Get full understanding of Governance in Azure and how to establish a Minimum Viable Product (MVP) for governance. The objective of the MVP is reducing barriers to establishing an initial governance position, and then enabling rapid maturation of the solution to address a variety of tangible risks.

In this course five disciplines of Azure Governance are covered; Cost Management, Security Baseline, Identity Baseline, Resource Consistency and Deployment Acceleration.

The training will enable students with knowledge and hands-on with several Azure Governance and Management solutions such as Azure Management Groups, Policy, Blueprints, Security Center, Advisor and Cost Management.

## Objectives

After completing this training, students will be able to:

- Get familiarized with Azure Governance Disciplines

- Learn Azure Governance solutions and tools

- Learn how to build Minimum Viable Product for Azure and how to proactively perform improvements on existing governance model

## Key Takeaways

**Course Material**

- Azure native tools
- Visual Studio Code

**Hands-on Labs**

- Most of the concepts covered above will be supported by hands-on labs and demos
- Utilize tools that integrate with Azure

## Agenda

**Day 1**
- Introduction to Azure Governance
- Minimum Viable Product for Governance

**Day 2**
- Azure Governance Identity Baseline
- Azure Governance Security Baseline

**Day 3**
- Azure Governance Security Baseline (continue)
- Azure Governance Cost Management

**Day 4**
- Azure Governance Resource Consistency
- Azure Governance Deployment Acceleration

Plan for 4 full days. Early departure on any day is not recommended.

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# Course Details

## Module 1: Introduction to Azure Governance
- Digital Transformation & Cloud Adoption Challenges
- Introduction to Cloud Computing
- Introduction to Azure
- Introduction to Azure Governance
- Introduction to Microsoft Cloud Adoption Framework for Azure

## Module 2: Minimum Viable Product Governance in Azure
- Introduction to Minimum Viable Product for Governance
- Azure AD Tenant and Azure Subscriptions
- Azure Management Groups
- Azure Policy
- Azure Blueprints
- Azure Naming Convention

## Module 3: Azure Governance Identity Baseline
- Introduction to Azure AD
- Azure AD Authentication Option
- Identity for Azure IaaS and PaaS
- Azure AD Identity Governance
- Identity and Security
- Identity 101 for Azure Administrators

## Module 4: Azure Governance Security Baseline
- Enforce compliance and security using Azure Policy
- Introduction to Azure Key Vault
- Overview of Azure Storage Security, Azure Virtual Network Security, Azure Virtual Machine Security, Azure Security Center and Introduction to Azure Sentinel
- Azure PaaS Security

## Module 5: Azure Governance Cost Management
- Introduction to Azure Cost Management
- Cost Visibility Tools
- Cost Accountability in the Cloud
- Cost Optimization
- Introduction to solutions such as Cost Management, Advisor, Pricing Calculator, Hybrid Benefit, Reservations, etc.

## Module 6: Azure Governance Resource Consistency
- Azure Resource Manager
- Resource Health
- Resource Auditing
- Resource Availability and Performance
- Introduction to Change Tracking
- Introduction to Azure Update Management
- Introduction to Azure Resource Graph

## Module 7: Azure Governance Deployment Acceleration
- Introduction to Azure Resource Manager Templates
- Introduction to Azure DevOps
- Introduction to Azure Automation and Azure Runbooks
- Azure Desired State Configuration
- Integration with Policies and Blueprint

## Hardware Requirements
- An Intel Core-i5-based PC
- Microsoft/Windows Live ID to connect to the virtual environment
- 4 GB RAM
- 128 GB HDD
- Internet access with at least 1 Mbps bandwidth per student.

## Recommended Qualifications

Target experience, expectations and qualifications, for example:

IT staff who have designed, deployed, or managed an Azure environment for at least one year

## For more information

Contact your Microsoft Account Representative for further details.

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