

Azure Infrastructure Class Resources

Hands-on Labs

<https://github.com/AzureInterface/>

Azure Documentation

<https://docs.microsoft.com/en-us/azure/>

Azure Pricing Calculator

<https://azure.microsoft.com/en-us/pricing/calculator/>

Install and configure Azure PowerShell

<https://docs.microsoft.com/en-us/powershell/azure/install-azurerm-ps?view=azurerm-ps-3.8.0>

PowerShell Gallery

<https://www.powershellgallery.com/>

Microsoft server software support for Microsoft Azure virtual machines

<https://support.microsoft.com/en-us/help/2721672/microsoft-server-software-support-for-microsoft-azure-virtual-machines>

Azure Regions

<https://azure.microsoft.com/en-us/regions/>

Azure Products by Region

<https://azure.microsoft.com/en-us/regions/services/>

Business continuity and disaster recovery (BCDR): Azure Paired Regions

<https://docs.microsoft.com/en-us/azure/best-practices-availability-paired-regions>

Azure Reference Architectures

<https://docs.microsoft.com/en-us/azure/architecture/reference-architectures/>

Create a Windows virtual machine with the Azure portal

<https://docs.microsoft.com/en-us/azure/virtual-machines/windows/quick-create-portal>

Create a Linux virtual machine with the Azure portal

<https://docs.microsoft.com/en-us/azure/virtual-machines/linux/quick-create-portal>

Create a Windows virtual machine with PowerShell

<https://docs.microsoft.com/en-us/azure/virtual-machines/windows/quick-create-powershell>

Resize virtual machines

<https://azure.microsoft.com/en-us/blog/resize-virtual-machines/>

How to expand the OS drive of a Virtual Machine in an Azure Resource Group

<https://docs.microsoft.com/en-us/azure/virtual-machines/windows/expand-os-disk>

How to attach a data disk to a Windows VM in the Azure portal

<https://docs.microsoft.com/en-us/azure/virtual-machines/windows/attach-disk-portal>

Azure Disk Striping

<https://docs.microsoft.com/en-us/azure/storage/storage-premium-storage-performance#disk-striping>

Generalize a Windows virtual machine using Sysprep

<https://docs.microsoft.com/en-us/azure/virtual-machines/windows/generalize-vhd?toc=%2fazure%2fvirtual-machines%2fwindows%2ftoc.json>

Capture a managed image of a generalized VM in Azure

<https://docs.microsoft.com/en-us/azure/virtual-machines/windows/capture-image-resource?toc=%2fazure%2fvirtual-machines%2fwindows%2ftoc.json>

Create a VM from a generalized managed VM image

<https://docs.microsoft.com/en-us/azure/virtual-machines/windows/create-vm-generalized-managed>

How to capture an UNMANAGED VM image from a generalized Azure VM

<https://docs.microsoft.com/en-us/azure/virtual-machines/windows/capture-image>

Opening ports to a VM in Azure using the Azure portal

<https://docs.microsoft.com/en-us/azure/virtual-machines/windows/nsg-quickstart-portal>

Cloud Design Patterns

<https://docs.microsoft.com/en-us/azure/architecture/patterns/>

AWS to Azure services comparison

<https://docs.microsoft.com/en-us/azure/architecture/aws-professional/services>

Create a Windows virtual machine with the Azure portal

<https://docs.microsoft.com/en-us/azure/virtual-machines/windows/quick-create-portal>

Capture a managed image of a generalized VM in Azure

<https://docs.microsoft.com/en-us/azure/virtual-machines/windows/capture-image-resource>

Windows Containers on Windows Server

<https://docs.microsoft.com/en-us/virtualization/windowscontainers/quick-start/quick-start-windows-server>

Azure Container Service

<https://docs.microsoft.com/en-us/azure/container-service/container-service-intro>

Azure Container Registry

<https://docs.microsoft.com/en-us/azure/container-registry/>

Windows PowerShell Desired State Configuration Overview

<https://msdn.microsoft.com/en-us/powershell/dsc/overview>

Best practices for creating Azure Resource Manager templates

<https://docs.microsoft.com/en-us/azure/azure-resource-manager/resource-manager-template-best-practices>

Azure Quick Start Templates

<https://github.com/Azure/azure-quickstart-templates>

Custom PowerShell DSC Resources

<https://github.com/PowerShell/DscResources/tree/master/xDscResources>

Create your first Azure Resource Manager template

<https://docs.microsoft.com/en-us/azure/azure-resource-manager/resource-manager-create-first-template>

Creating and deploying Azure resource groups through Visual Studio

<https://docs.microsoft.com/en-us/azure/azure-resource-manager/vs-azure-tools-resource-groups-deployment-projects-create-deploy>

Best practices for creating Azure Resource Manager templates

<https://docs.microsoft.com/en-us/azure/azure-resource-manager/resource-manager-template-best-practices>

Introduction to the Azure Desired State Configuration extension handler

<https://docs.microsoft.com/en-us/azure/virtual-machines/windows/extensions-dsc-overview>

Azure ARM: VM Domain Join to Active Directory Domain with "JoinDomain" Extension

<https://blogs.msdn.microsoft.com/igorpag/2016/01/25/azure-arm-vm-domain-join-to-active-directory-domain-with-joindomain-extension/>

Azure Load Balancer overview

<https://docs.microsoft.com/en-us/azure/load-balancer/load-balancer-overview>

Creating an Internet-facing load balancer using the Azure portal

<https://docs.microsoft.com/en-us/azure/load-balancer/load-balancer-get-started-internet-portal>

Configure a VNet-to-VNet connection using the Azure portal

<https://docs.microsoft.com/en-us/azure/vpn-gateway/vpn-gateway-howto-vnet-vnet-resource-manager-portal>

Create a Site-to-Site connection in the Azure portal

<https://docs.microsoft.com/en-us/azure/vpn-gateway/vpn-gateway-howto-site-to-site-resource-manager-portal>

Planning and design for VPN Gateway

<https://docs.microsoft.com/en-us/azure/vpn-gateway/vpn-gateway-plan-design>

ExpressRoute FAQ

<https://docs.microsoft.com/en-us/azure/expressroute/expressroute-faqs>

Microsoft Trust Center

<https://www.microsoft.com/en-us/TrustCenter/Security/default.aspx>

Getting started with Microsoft Azure security

<https://docs.microsoft.com/en-us/azure/security/azure-security-getting-started>

Set up staging environments in Azure App Service

<https://docs.microsoft.com/en-us/azure/app-service-web/web-sites-staged-publishing>

Overview of Traffic Manager

<https://docs.microsoft.com/en-us/azure/traffic-manager/traffic-manager-overview>

Create a Traffic Manager profile

<https://docs.microsoft.com/en-us/azure/traffic-manager/traffic-manager-create-profile>

Create an Azure SQL database in the Azure portal

<https://docs.microsoft.com/en-us/azure/sql-database/sql-database-get-started-portal>

Azure SQL Database: Use SQL Server Management Studio to connect and query data

<https://docs.microsoft.com/en-us/azure/sql-database/sql-database-connect-query-ssms>

Get started with Azure File storage on Windows

<https://docs.microsoft.com/en-us/azure/storage/storage-dotnet-how-to-use-files>

Azure SQL DTU Calculator

<http://dtucalculator.azurewebsites.net/>

How elastic pools help you manage and scale multiple SQL databases

<https://docs.microsoft.com/en-us/azure/sql-database/sql-database-elastic-pool>

Azure AD Connect

<https://docs.microsoft.com/en-us/azure/active-directory/connect/active-directory-aadconnect>

AD Domain Controllers as a Service

<https://azure.microsoft.com/en-us/services/active-directory-ds/>

Use Role-Based Access Control to manage access to your Azure subscription resources

<https://docs.microsoft.com/en-us/azure/active-directory/role-based-access-control-configure>

Create custom roles for Azure Role-Based Access Control

<https://docs.microsoft.com/en-us/azure/active-directory/role-based-access-control-custom-roles>

Getting Started with Azure Automation

<https://docs.microsoft.com/en-us/azure/automation/automation-offering-get-started>

Creating or importing a runbook in Azure Automation

<https://docs.microsoft.com/en-us/azure/automation/automation-creating-importing-runbook>

Getting started with Azure Automation DSC

<https://docs.microsoft.com/en-us/azure/automation/automation-dsc-getting-started>

Onboarding machines for management by Azure Automation DSC

<https://docs.microsoft.com/en-us/azure/automation/automation-dsc-onboarding>

Compiling configurations in Azure Automation DSC

<https://docs.microsoft.com/en-us/azure/automation/automation-dsc-compile>