





4. Deploy and manage compute resources
  - Create a Windows virtual machine in Azure
  - Manage virtual machines with the Azure CLI
  - Add and size disks in Azure virtual machines
  - Secure your Azure virtual machine disks
  - Keep your virtual machines updated
  - Build Azure Resource Manager templates
  - Deploy Azure virtual machines from VHD templates
  - Build a scalable application with virtual machine scale sets
  - Protect your virtual machine settings with Azure Automation State Configuration
  - Deploy and run a containerized web app with Azure App Service
  - Scale an App Service web app to efficiently meet demand with App Service scale up and scale out
  - Run Docker containers with Azure Container Instances
  - Introduction to Azure Kubernetes Service
5. Configure and manage virtual networks for Azure administrators
  - Design an IP addressing schema for your Azure deployment
  - Distribute your services across Azure virtual networks and integrate them by using virtual network peering
  - Secure and isolate access to Azure resources by using network security groups and service endpoints
  - Connect to virtual machines through the Azure portal by using Azure Bastion
  - Host your domain on Azure DNS
  - Manage and control traffic flow in your Azure deployment with routes
  - Connect your on-premises network to Azure with VPN Gateway
  - Connect your on-premises network to the Microsoft global network by using ExpressRoute
  - Load balance your web service traffic with Application Gateway - Learn | Microsoft Docs  
Improve application scalability and resiliency by using Azure Load Balancer
  - Troubleshoot inbound network connectivity for Azure Load Balancer
  - Monitor and troubleshoot your end-to-end Azure network infrastructure by using network monitoring tools
6. Azure Implementation case studies
7. Taking the Azure Cloud Administrator Exam

LEARNING MATERIALS:

Microsoft Azure Administrator Exam Guide AZ-103

Author: Sjoukje Zaal Publisher: Packt Publishing, May 2019 ISBN: 978-1838829025

***Pending update to AZ-104***

Microsoft Azure Administrator AZ-104: Microsoft Azure Administrator AZ-104 Latest Practice Questions, Author: Eaze Teach, Independently published, October 2020 ISBN: 979-8693484719

Microsoft Learning Path: [Exam AZ-104: Microsoft Azure Administrator - Learn | Microsoft Docs](#)

COURSE APPROVAL:

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*was developed, approved and will be delivered in full compliance with the policies and procedures established by the College.*