

Azure Resource Provisioning and Virtual Machine Deployment

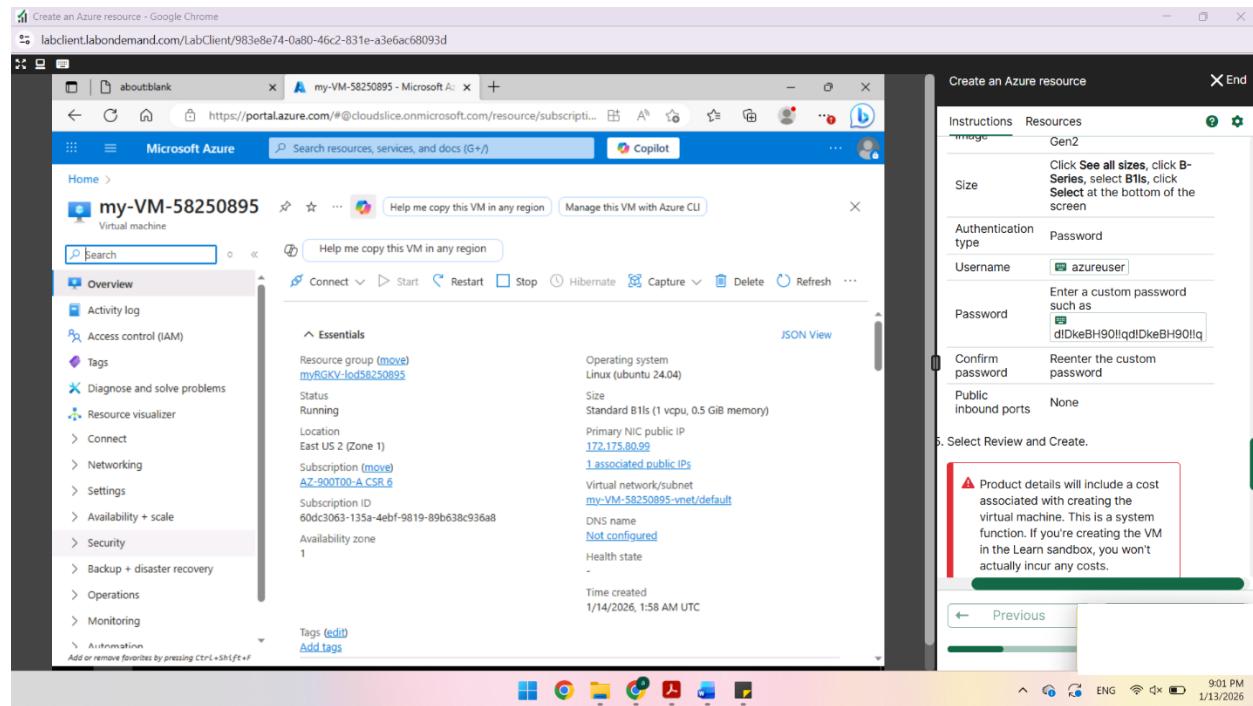
Project Overview

This document summarizes hands-on experience deploying Azure resources and virtual machines using the Azure Portal.

- Created and managed core Azure resources
- Deployed and configured an Azure Virtual Machine

Azure Resource Provisioning

This section documents the creation and management of core Azure resources using the Azure Portal, including subscription selection, resource group setup, and foundational configuration.



Create an Azure resource - Google Chrome

labclient.labondemand.com/LabClient/983e8e74-0a80-46c2-831e-a3e6ac68093d

about:blank my-VM-58250895 - Microsoft Edge https://portal.azure.com/#@cloudslice.onmicrosoft.com/resource/subscript... +

Microsoft Azure Search resources, services, and docs (G+) Copilot

Home > my-VM-58250895 Virtual machine

Overview Activity log Access control (IAM) Tags Diagnose and solve problems Resource visualizer Connect Networking Settings Availability + scale Security Backup + disaster recovery Operations Monitoring Automation Add or remove favorites by pressing Ctrl+Shift+F

Help me copy this VM in any region Manage this VM with Azure CLU

Properties Monitoring Capabilities (7) Recommendations Tutorials

Virtual machine Computer name my-VM-58250895 Operating system Linux (Ubuntu 24.04) VM generation V2 VM architecture x64 Agent status Ready Agent version 2.15.0.1 Hibernation Disabled Host group

Help me copy this VM in any region

Connect Start Stop Hibernate Capture Delete Refresh

Instructions Resources Image Gen2 Size Click See all sizes, click B-Series, select B1s, click Select at the bottom of the screen Authentication type Password Username azureuser Enter a custom password such as d!DkeBH90!!qd!DkeBH90!!q Password Confirm password Reenter the custom password Public inbound ports None

5. Select Review and Create.

⚠ Product details will include a cost associated with creating the virtual machine. This is a system function. If you're creating the VM in the Learn sandbox, you won't actually incur any costs.

Previous 9:01 PM 1/13/2026

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Create an Azure resource - Google Chrome

labclient.labondemand.com/LabClient/983e8e74-0a80-46c2-831e-a3e6ac68093d

about:blank myRGKV-ld58250895 - Microsoft Edge https://portal.azure.com/#@cloudslice.onmicrosoft.com/resource/subscript... +

Microsoft Azure Search resources, services, and docs (G+) Copilot

Home > Resource Manager | Resource groups >

myRGKV-ld58250895 Resource group

Overview Activity log Access control (IAM) Tags Resource visualizer Events Settings Cost Management Monitoring Automation Help

Export resource groups using Bicep or Terraform +

Group by none JSON View

Essentials Resources Recommendations

Filter for any field... Type equals all Location equals all + Add filter

| Name | Type | Location |
|---------------------------------------|------------------------|-----------|
| my-VM-58250895 | Virtual machine | East US 2 |
| my-VM-58250895-ip | Public IP address | East US 2 |
| my-VM-58250895-nsg | Network security group | East US 2 |
| my-VM-58250895-vnet | Virtual network | East US 2 |
| my-vm-582508955s_z1 | Network Interface | East US 2 |
| my-VM-58250895_disk1_99e5cefb2974405b | Disk | East US 2 |

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Instructions Resources Image Gen2 Size Click See all sizes, click B-Series, select B1s, click Select at the bottom of the screen Authentication type Password Username azureuser Enter a custom password such as d!DkeBH90!!qd!DkeBH90!!q Password Confirm password Reenter the custom password Public inbound ports None

5. Select Review and Create.

⚠ Product details will include a cost associated with creating the virtual machine. This is a system function. If you're creating the VM in the Learn sandbox, you won't actually incur any costs.

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Azure Virtual Machine Deployment

This section documents the deployment and configuration of an Azure Virtual Machine using the Azure Portal, including resource selection, configuration choices, and validation steps.

The screenshot shows the Azure Portal interface for deploying a virtual machine named VM1. On the left, the navigation pane includes options like Overview, Activity log, Access control (IAM), Tags, Diagnose and solve problems, Resource visualizer, Connect, Networking, Settings, Availability + scale, Security, Backup + disaster recovery, Operations, Monitoring, and Automation. The main content area displays the VM1 overview page, which shows the VM is running in the East US 2 zone. It lists the operating system as Windows, size as Standard DS3 v2 (4 vcpus, 14 GiB memory), and primary NIC public IP as 128.24.112.239. The deployment status indicates "19 Minutes Remaining". To the right, a guided tour window titled "AZ900-011: Deploy an Azure Virtual Machine [Guided]" provides instructions and links to learn more about virtual machines. A "Check your work" section contains a task to verify the creation of VM1 and a success message congratulating the user. The bottom of the screen shows the taskbar with various pinned icons.

The screenshot shows the Azure Portal interface for deploying a virtual machine named VM2. The navigation pane is identical to the previous screenshot. The main content area displays the VM2 overview page, showing the VM is running in the East US 2 zone. It lists the operating system as Windows (Windows Server 2016 Datacenter), size as Standard DS3 v2 (4 vcpus, 14 GiB memory), and primary NIC public IP as 20.161.229.202. The deployment status indicates "18 Minutes Remaining". To the right, a guided tour window titled "AZ900-011: Deploy an Azure Virtual Machine [Guided]" provides instructions and links to learn more about virtual machines. A "Check your work" section contains two tasks: one to verify the virtual network name (CloudNet) and another to determine the number of vCPUs (4). Both tasks are marked as correct. The bottom of the screen shows the taskbar with various pinned icons.