Azure Resource Provisioning and Virtual Machine Deployment
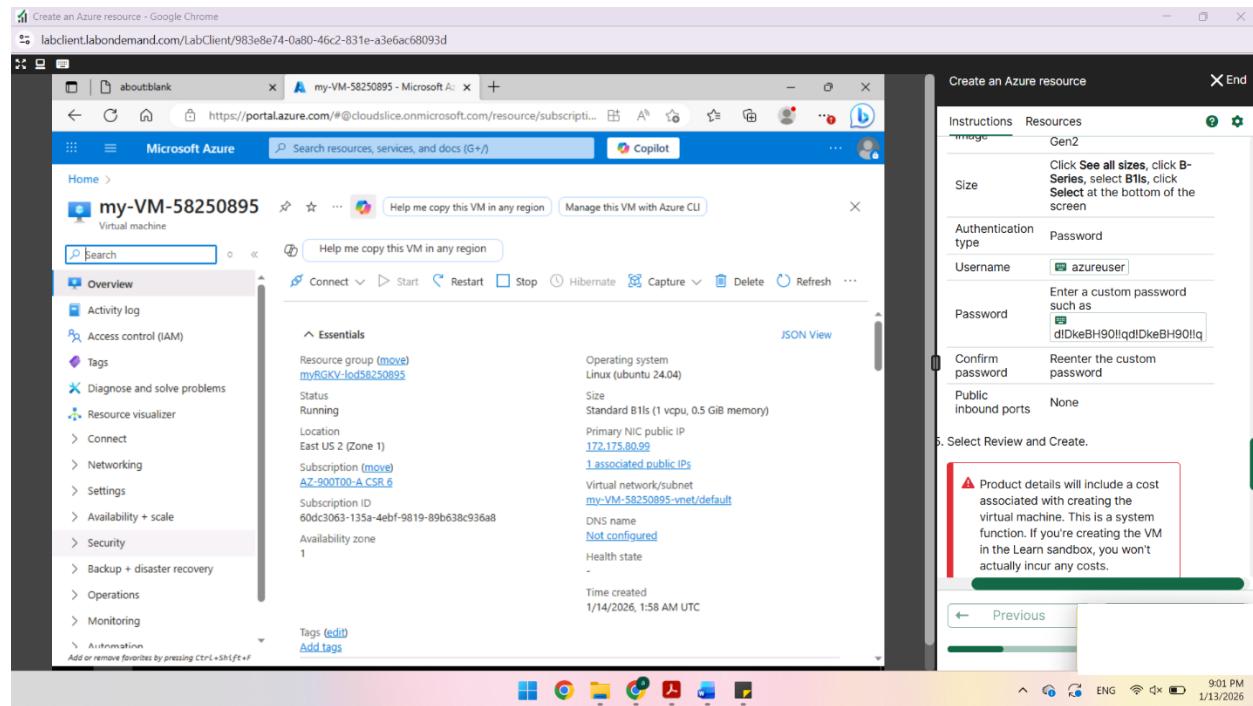
Project Overview

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.

Screenshot 1

Create an Azure resource - Google Chrome

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

about:blank | my-VM-58250895 - Microsoft A:

https://portal.azure.com/#@cloudslice.onmicrosoft.com/resource/subscripti...

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Home >

my-VM-58250895
Virtual machine

Help me copy this VM in any region | Manage this VM with Azure CLI

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- Access control (IAM)
- Tags
- Diagnose and solve problems
- Resource visualizer
- > Connect
- > Networking
- > Settings
- > Availability + scale
- > Security
- > Backup + disaster recovery
- > Operations
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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

Create an Azure resource — ✕ End

Instructions | Resources

image | Gen2

Size	Click **See all sizes**, click **B-Series**, select **B1ls**, click **Select** at the bottom of the screen
Authentication type	Password
Username	🖳 azureuser
Password	Enter a custom password such as 🖳 d!DkeBH90!!qd!DkeBH90!!q
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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Screenshot 2

Create an Azure resource - Google Chrome

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Home > Resource Manager | Resource groups >

myRGKV-lod58250895
Resource group

Export resource groups using Bicep or Terraform | +2

Search

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

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+ Create | Manage view ∨ | Delete resource group | Refresh | ··· | Group by none ∨

∨ Essentials | JSON View

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-58250895855_z1	Network Interface	East US 2
☐	my-VM-58250895_disk1_99e5cebfb2974405b	Disk	East US 2

Create an Azure resource — ✕ End

Instructions | Resources

image | Gen2

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Confirm password	Reenter the custom password
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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.