

Manage Security Updates with Azure Update Manager

Centralized OS Update Control for Azure & Hybrid Environments



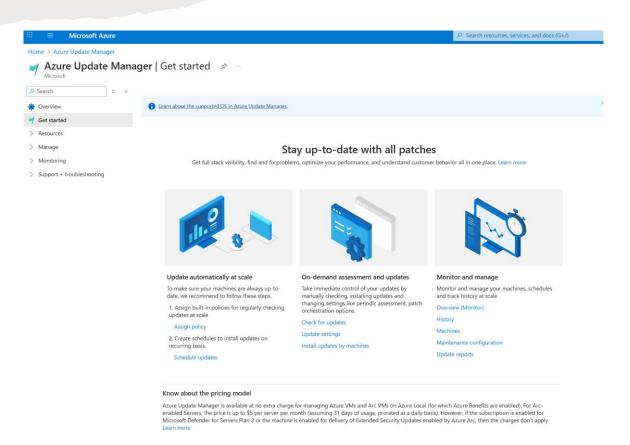
Problem Statement

- Keeping VMs updated is a critical security task whether in Azure or on-prem.
 - Azure Update Manager provides a centralized, policy-driven way to manage updates without extra agents or complex onboarding.



What is Azure Update Manager?

- Replaces the older Automation + Log Analytics update method.
- Works for Azure VMs & Arc-enabled servers (hybrid/on-prem).
- No agent onboarding for Azure VMs.
- Supports **Windows & Linux** OS updates.





Lab Objective

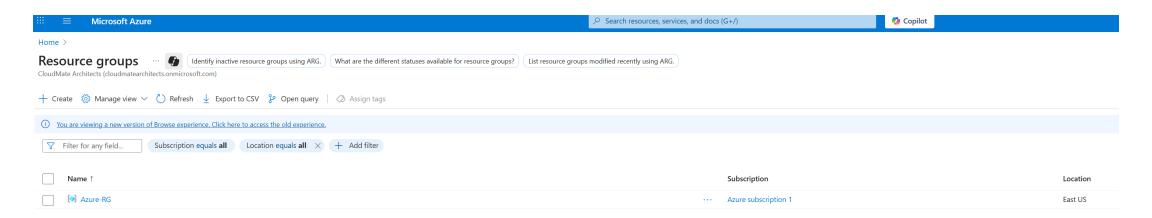
Goal:

Deploy a VM, enable Azure Update Manager, assign a policy for periodic updates, and clean up resources.

Create Resource Group

• **Step 1:** Create resource group Azure-RG in **East US**.

All lab resources will be inside this group for easy cleanup.

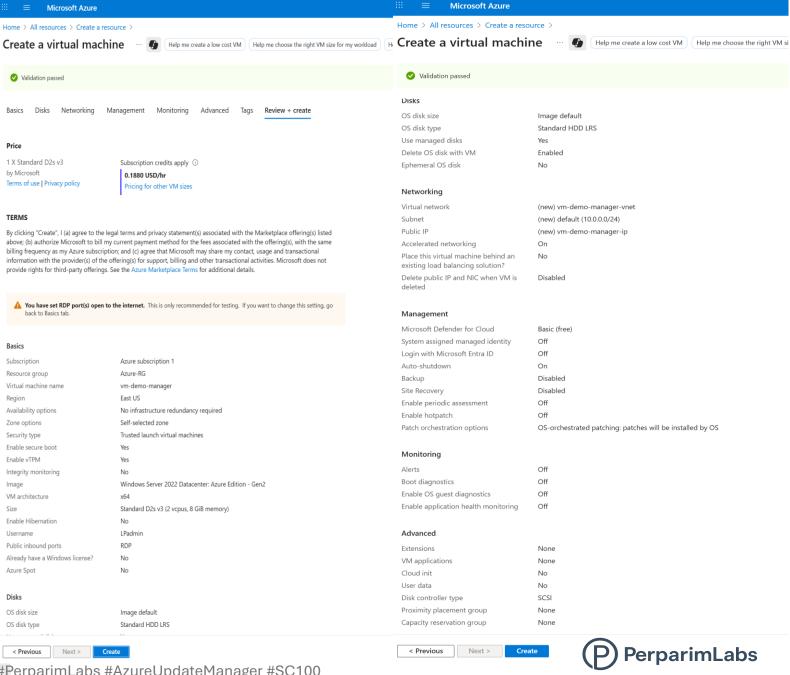




Create Demo VM

Step 2: Create a quick Windows Server 2022 VM.

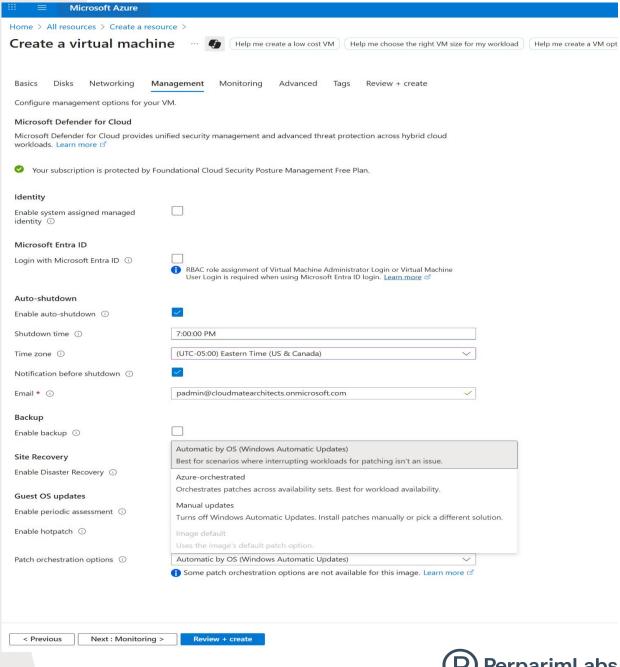
- Name: vm-demo-manager
- User: LPadmin
- Password: (secure)
- Keep RDP enabled
- Set Auto-shutdown



#PerparimLabs #AzureUpdateManager #SC100 #MicrosoftAzure #AzureSecurity #CloudSecurity

Guest OS Update Options (VM Creation)

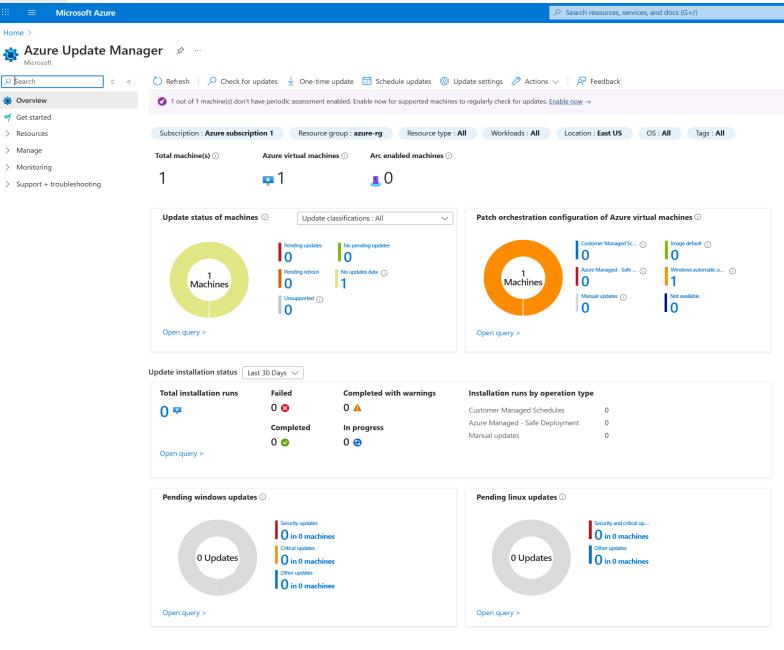
 Azure lets you choose OS update handling during VM creation — Azure Orchestrated, Automatic by OS, or Manual.





Open Azure Update Manager

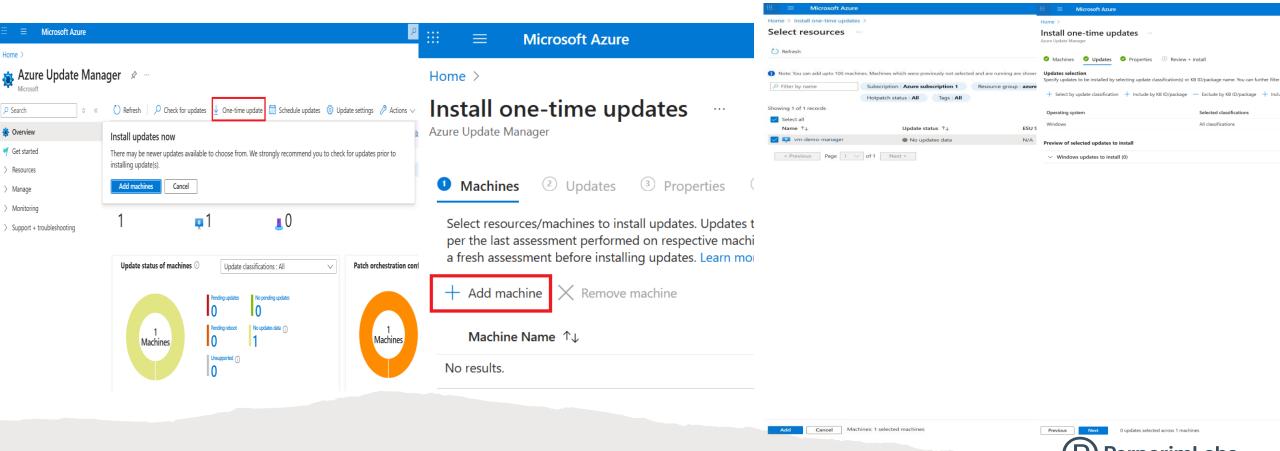
Step 3: Open Azure
 Update Manager and see your VM detected automatically.

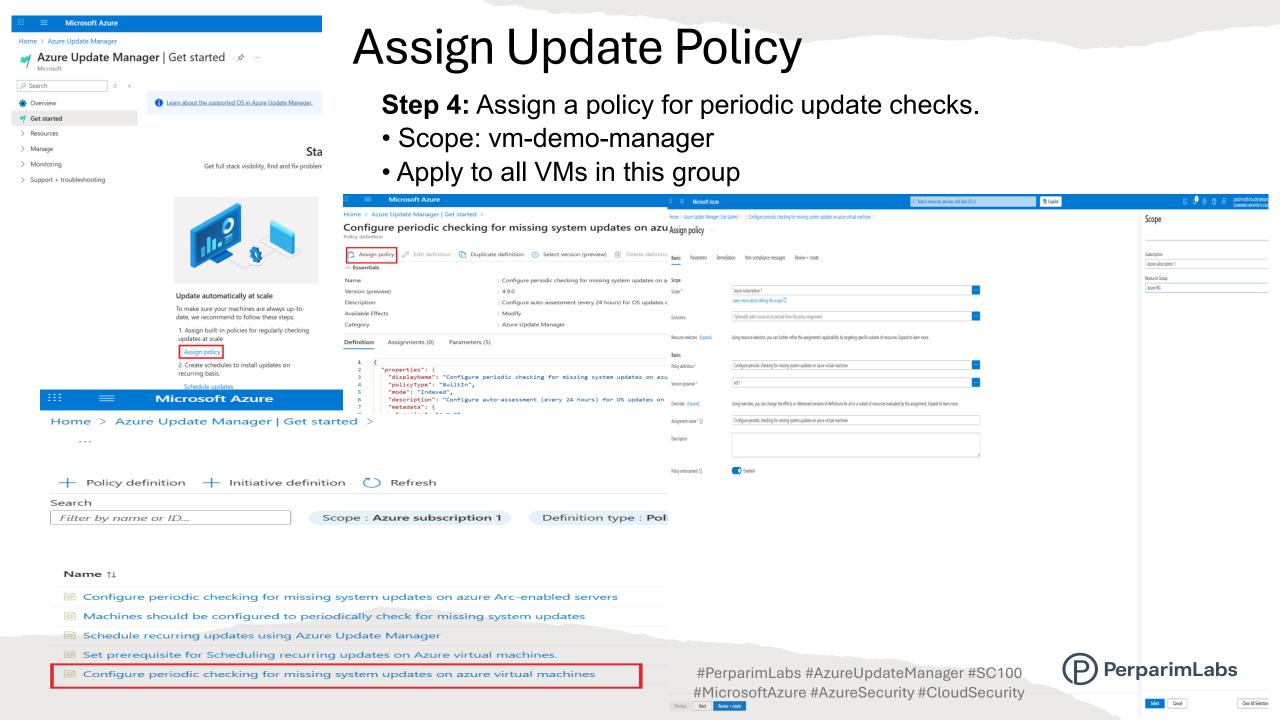




One-Time Update (Preview Only)

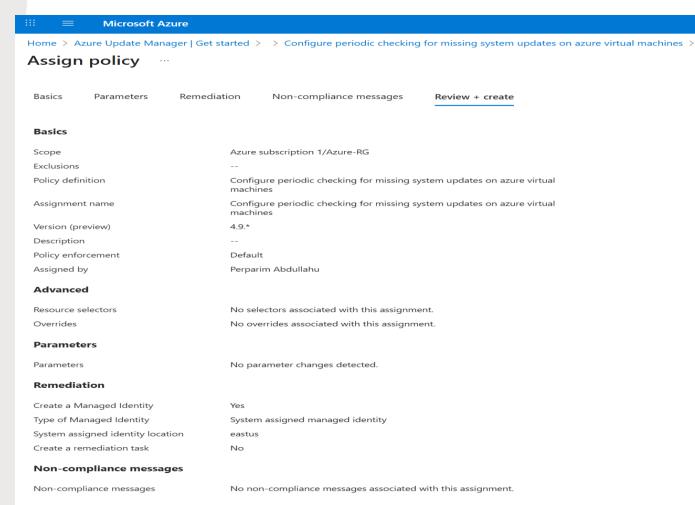
 Azure Update Manager allows triggering immediate updates for selected VMs — ideal for urgent patching.
 In this step, we only preview the update wizard without running the deployment.





Policy Details

 Azure Policies make it easy to enforce update compliance across many VMs at once.





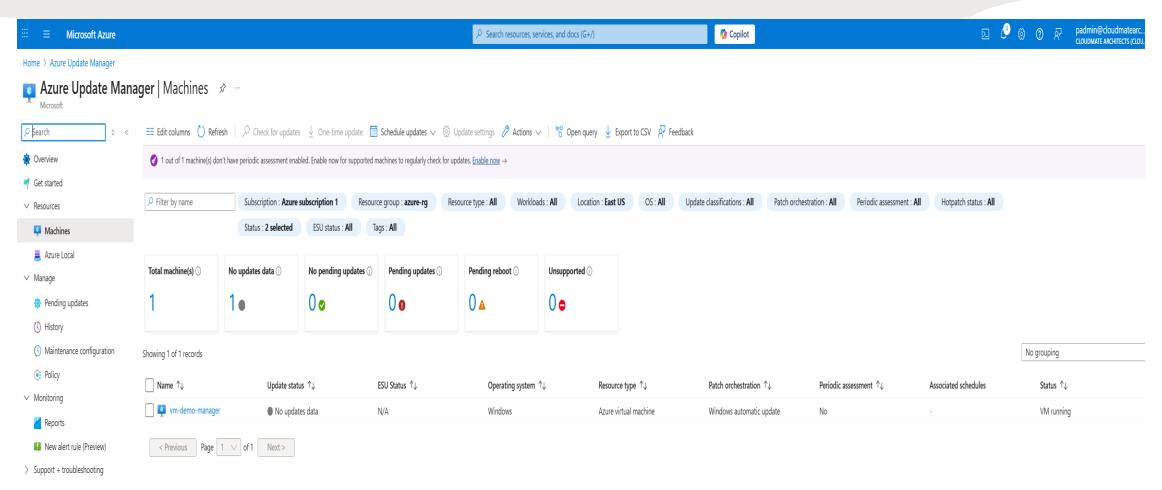


Create

One-Time Update (Final Deployment)

After assigning the update policy, we can also run a full one-time update deployment to immediately patch the VM.

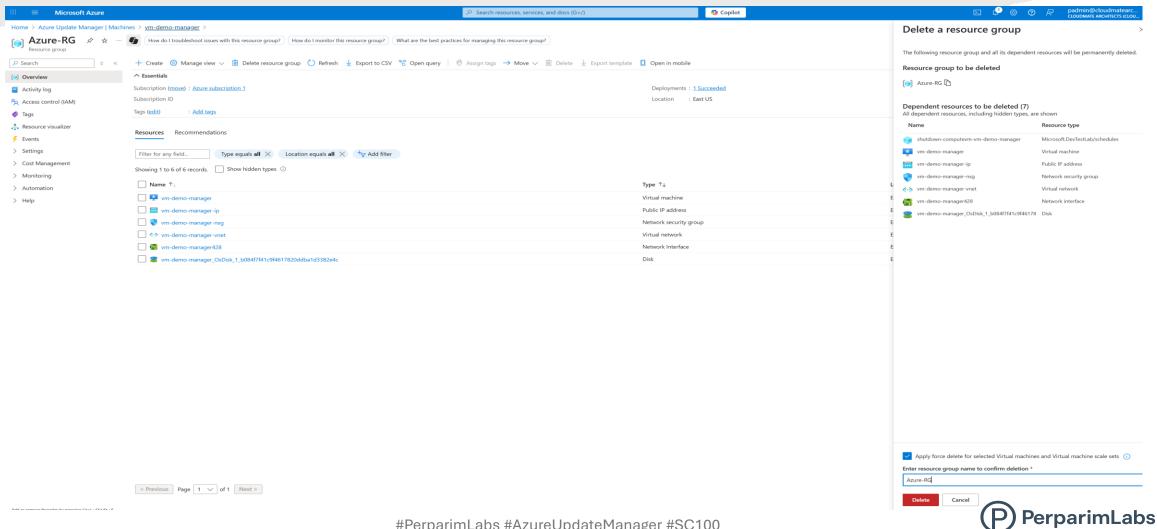
This step confirms update orchestration works end-to-end.





Cleanup

Step 6: Delete the resource group to free up resources and costs.



Key Takeaways



Centralized OS update control for Azure & hybrid servers.



Policy-driven compliance.







No extra agents for Azure VMs.