😊 Joining VM to Azure AD

In this lab, we're joining a Windows virtual machine to Azure Active Directory (Azure AD). The end goal is to enable users to sign in to the virtual machine using their Azure AD credentials, thus integrating the VM into the organization's identity and access management framework. By joining the VM to Azure AD, organizations can enforce security policies, control access to resources, and streamline user authentication processes across Azure AD-integrated services and applications.
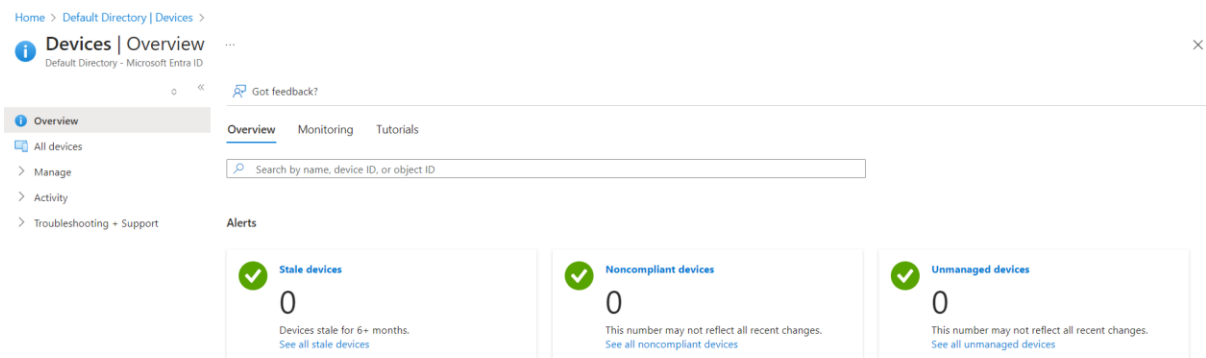
1. In this lab, we are going to join our windows VM with Azure Active Directory.
2. For this, first we need to come to Microsoft Entra ID. Now from the default directory, we need to expand the Manage tab and scroll down to devices.

3. Currently you can see that we have zero devices in our Azure AD.

4. Now we are going to add devices in our Azure AD. For that we need to go to Virtual machines and create a new windows based virtual machine.
5. Create a very basic windows VM.
6. While creating the virtual machine you need to enable the highlighted option. This option says that login with Microsoft entra ID which allows you to register your VM with Azure AD.

Create a virtual machine ...

Basics   Disks   Networking   **Management**   Monitoring   Advanced   Tags   Review + create

Configure management options for your VM.

Microsoft Defender for Cloud

Microsoft Defender for Cloud provides unified security management and advanced threat protection across hybrid cloud workloads. Learn more 🗗

✅ Your subscription is protected by Microsoft Defender for Cloud basic plan.

Identity

Enable system assigned managed
identity ⓘ   ☑

ℹ️ System managed identity must be on to login with Microsoft Entra ID credentials.
Learn more 🗗

ℹ️ To enable system-assigned managed identity, change your orchestration mode to
Uniform on the Basics tab

Microsoft Entra ID

Login with Microsoft Entra ID ⓘ   ☑

ℹ️ RBAC role assignment of Virtual Machine Administrator Login or Virtual Machine
User Login is required when using Microsoft Entra ID login. Learn more 🗗

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7. Once your deployment is completed directly go to Microsoft Entra ID then navigate to devices.

✅ **Your deployment is complete**

Deployment name: CreateVm-MicrosoftWindowsServer.WindowsSe...   Start time: 6/5/2024, 5:02:14 pm
Subscription: Azure Pass - Sponsorship   Correlation ID: a6708cde-6ad4-4f73-83f3-245b64de081e 🗐
Resource group: demo-entra-RG

⌄ **Deployment details**

∧ **Next steps**

Setup auto-shutdown   Recommended

Monitor VM health, performance and network dependencies   Recommended

Run a script inside the virtual machine   Recommended

[**Go to resource**]   [Create another VM]

Give feedback

🗬 Tell us about your experience with deployment

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8. There you will see that we have 1 device.

My Feed

Total number of devices

1

This number may not reflect all recent changes.
See all devices

9. Then if you navigate to All devices the you will see your VM in place.

Home > Devices

Devices | All devices
Default Directory - Microsoft Entra ID

○ «

↓ Download devices ○ Refresh ⚙ Manage view ∨ | ✓ Enable ⊘ Disable 🗑 Delete ⚙ Manage | ⊡ Preview features | ⚗ Got feedback?

- ⓘ Overview
- 🖳 All devices
- › Manage
- › Activity
- › Troubleshooting + Support

🔍 Search by name or device ID or object ID   ▽ Add filters

1 device found

	Name ↑↓	Enabled	OS	Version	Join type	Owner	MDM	Security settings m...	Compliant
☐	windowsVM	✓ Yes	Windows	10.0.20348.2402	Microsoft Entra joi...	None	None	N/A	N/A