"**Microsoft Entra joined devices**" refers to devices that are **joined to Microsoft Entra ID** (formerly Azure Active Directory). These are typically used in cloud-based or hybrid environments for secure, centralized identity and access management.

🔐 What Is a Microsoft Entra Joined Device?

A **Microsoft Entra joined device** is one that:

- Is **registered with Microsoft Entra ID** (Azure AD).

- Is **primarily owned and managed by an organization** (corporate device).

- **Logs in using Entra ID credentials** (i.e., user's organizational account).

- Provides **single sign-on (SSO)** to cloud apps (like Microsoft 365, SharePoint, Teams) and some on-prem resources.

📦 Types of Device Join States in Microsoft Entra ID

Device State	Description
Entra joined	Full corporate join – device is managed and authenticated entirely via Microsoft Entra ID. Typically used for cloud-first or cloud-only environments.
Hybrid Entra joined	Devices joined to **on-prem Active Directory** and also registered with Microsoft Entra ID. Common in hybrid environments.
Entra registered	**Personal** devices (BYOD). Registered to access org resources without being fully managed.

💻 **Microsoft Entra Joined Devices – Key Characteristics**

Feature	Description
Identity Source	Microsoft Entra ID only
Login	Organization credentials (user@org.com)
Management	Typically managed via **Microsoft Intune**
SSO	Supports SSO to Microsoft 365 and other Entra-integrated apps
Device Ownership	Corporate-owned
Use Cases	Remote work, cloud-native organizations, no on-prem AD

✅ **How to Join a Device to Microsoft Entra ID**

🔹 **Windows 10/11 – During Setup (OOBE)**

1. Start fresh setup of Windows.

2. Choose **Set up for an organization**.

3. Enter your **work email**.

4. The device will join Microsoft Entra ID.

🔹 **Windows Settings – Existing Device**

1. Go to **Settings > Accounts > Access work or school**.

2. Click **Connect**.

3. Choose **Join this device to Microsoft Entra ID**.

4. Enter your **work credentials**.

🛠️ Admin View – Microsoft Entra Portal

As an admin, you can:

- View all **Entra joined devices** in the **Microsoft Entra admin center**.

- Navigate to:
  Microsoft Entra admin center > Devices > All devices

- See details:

  - Join type (Entra joined, Hybrid, etc.)

  - Compliance state

  - Device ID

  - Operating system

  - Last activity

  - Owner

🔐 Security and Benefits

- **Conditional Access**: Require compliant/enrolled devices.

- **SSO**: Seamless access to apps and resources.

- **Device Compliance**: Enforce device-level security policies via **Intune**.

- **Passwordless Authentication**: Supports Windows Hello for Business.

📌 **Summary**

Feature	Microsoft Entra Joined
Ownership	Corporate
Login	Entra ID credentials
Management	Intune (optional, recommended)
Use case	Cloud-native, remote workforce
SSO	Yes
Access to M365	Yes