# **Assignment Day -4**

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Microsoft Intune is a cloud-based endpoint management solution that allows organizations to manage devices and applications across platforms. Application deployment through Intune ensures that end-users have access to necessary apps in a secure and manageable way. Below is a step-by-step overview of the Intune application deployment process.

### **1. Preparing the Application**

Before deploying an app through Intune, the application must be prepared based on its type:

* **MSI/EXE Applications**: Use the original installer file.
* **Win32 Applications**: Must be packaged into a .intunewin format using the **IntuneWinAppUtil.exe** tool.
* **Microsoft Store Apps**: Available directly via the Microsoft Store.
* **Web Applications**: Require only the URL of the web app

Proper preparation ensures compatibility and smooth deployment across target devices.

### **2. Adding the Application in Intune**

To deploy an app:

1. **Sign in** to the [Intune Admin Center](https://intune.microsoft.com).
2. Navigate to **Apps > All apps > + Add**.
3. **Select the App Type**, such as:
   * Windows app (Win32)
   * Line-of-business app
   * Microsoft Store app
   * Web link
4. Upload the application file or provide required details (like a URL or package name).
5. Fill in **App Information** such as:
   * Name
   * Description
   * Publisher
   * App version
   * Optional logo for identification

This process registers the app in Intune, making it ready for assignment.

### **3. Configuring App Assignments**

Once the app is added, define how it will be deployed using **assignments**. You can assign apps to users or devices using Azure AD groups. The main assignment options are:

* **Required**: Automatically installs on assigned devices.
* **Available for enrolled devices**: Appears in the Company Portal for users to install manually.
* **Uninstall**: Removes the app from devices in the assigned group.

Assignments can be targeted based on user needs, device type, or organizational policy.

### **4. Setting Requirements and Detection Rules**

For Windows apps (especially Win32 or LOB apps), configure the following:

* **Requirements**: Define installation prerequisites such as OS architecture (x86/x64), disk space, or OS version.
* **Detection Rules**: Used by Intune to verify whether the app is already installed. Common detection methods include:
  + File or folder existence
  + Registry key/value
  + MSI product code detection

These settings help prevent reinstalling already existing apps and ensure proper installation.

### **5. Monitoring Deployment**

After deployment, administrators can track progress:

1. Go to **Apps > Monitor** in Intune.
2. Review deployment status:
   * Installed
   * Failed
   * Not installed
   * In progress
3. On client devices, logs can be checked at:
   * C:\ProgramData\Microsoft\IntuneManagementExtension\Logs
   * Via **Event Viewer** or the **Company Portal**

Monitoring helps identify issues early and verify successful app delivery.