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**Batch ID:** B5-25VID2550

**Assignment – 07/08/2025**

**1. Interactive vs. Non-Interactive Applications**

In software deployment, understanding whether an application runs interactively or silently is important for packaging and automation.

**Interactive Applications**

* Require the user’s input during installation or use.
* Show windows, dialog boxes, or prompts.
* Often block automation unless configured for silent install.
* Example: A setup that asks for a license key or installation folder.

**Packaging Approach**

* Use silent switches such as /quiet, /silent, /qn (MSI) or create response files to suppress prompts.

**Non-Interactive Applications**

* Install without any prompts or user action.
* Suitable for large-scale deployment through SCCM, Intune, or scripts.
* Example: MSI with /qn, EXE with /S or /norestart.

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Interactive application

Non-Interactive applications

**2. Application Assignments (Required vs. Available)**

**Required Apps**

* Automatically installed without user action.
* Ideal for business-critical software (antivirus, VPN, MS Teams).
* Can be reinstalled if removed.

**Available Apps**

* Listed in the Company Portal for optional installation.
* Useful for non-essential tools like PDF readers or developer utilities.

**Best Practice Table**

| **Scenario** | **Type** |
| --- | --- |
| Security software | Required |
| Optional productivity tools | Available |
| Testing in small user groups | Available |
| Guaranteed presence on all devices | Required |

**3. Users, Groups, and Dynamic Queries**

* **Users**: Local (PC-specific) or domain (AD-managed) accounts.
* **Groups**: Collections of users for targeted deployments.
  + Security Groups control access to apps and files.
  + Distribution Groups are email-based (no app access control).
* **Dynamic Queries**: Auto-populate groups based on device/user attributes (e.g., OS version, department).

**4. IME Process Flow in Intune (Windows Client)**

1. **Polling** – IME contacts Intune every ~60 minutes to check for new apps or updates.
2. **Detection** – Verifies if the app is already installed using detection rules (registry, files, MSI code).
3. **Installation** – Downloads and installs silently.
4. **Post-Detection** – Rechecks installation success/failure.
5. **Notifications** – Displays success/failure messages based on settings.

**5. Registry in LOB & Win32 Apps**

* **LOB Apps**: Internal-use apps, registry stored in **HKCU** (user) or **HKLM** (device).
* **Win32 Apps**: Traditional EXE/MSI apps, generally system context (HKLM).
* Registry keys store licensing, configuration, and install state.
* Intune uses registry checks for detection and requirements.

**6. Installation Status via Application GUID**

* **Paths**:
  + Per machine: HKLM\SOFTWARE\Microsoft\Windows\CurrentVersion\Uninstall
  + Per user: HKCU\SOFTWARE\Microsoft\Windows\CurrentVersion\Uninstall
* GUIDs uniquely identify apps.
* Uninstall Example:

cmd

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msiexec.exe /x {GUID} /QN /L\*V "C:\Logs\app-uninstall.log"

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**7. Log File Locations & Company Portal**

Event logs capture system and app activity, including:

* **Time** – When it happened.
* **Type** – Error, Warning, Info.
* **Details** – Error codes, affected components.

Log categories include System, Application, Security, and Audit logs.

**8. Syncing Devices After Assignments**

**From Company Portal**

1. Open portal → Settings → Sync.

**From Intune Admin Center**

1. Devices → Select Device → Sync.

**From Windows Settings**

1. Accounts → Access work or school → Info → Sync.

**From Taskbar/Start Menu**

1. A screenshot of a computer

   AI-generated content may be incorrect.Right-click Company Portal icon → Sync this device.

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