The process for deploying applications on Windows clients using the Intune Management Extension (IME) service involves several steps: **polling, detection, installation, and post-installation detection with success/failure notifications**. The flow ensures that the application is installed correctly and that the user is notified of the deployment status. [1, 2]

1. Polling:

- The IME service periodically polls the Microsoft Intune server for new or updated application deployments.
- This polling ensures that the client device stays synchronized with the latest application assignments from Intune. [1]

2. Detection:

- **Before Installation:** Before an application is installed, Intune evaluates detection rules to determine if the application is already present on the device.
- **After Installation:** After the application is installed, the detection rules are re-evaluated to verify that the application has been successfully installed and is running correctly.
- These detection rules can be based on various factors, including registry entries, file presence, and process existence. [1, 1, 3, 4, 5, 6, 7, 8]

3. Installation:

- If the application is not detected and is assigned to the device, the IME initiates the installation process. [1]
- **Download and Unpacking:** The application package (usually an .intunewin file) is downloaded and unpacked to a staging directory on the client device. [1, 1, 9]
- **Installer Execution:** A command line specified by the admin in the Intune portal is executed to install the application. This command typically uses msiexec or other installers based on the application type. [1, 1]
- **Installation Monitoring:** The installation process is monitored, and if the installation takes longer than a specified timeout, it's marked as a failure. [1, 1, 10, 10]

4. Detection and Notifications:

- **Post-Installation Detection:** After the installation, the detection rules are re-evaluated to confirm that the application is installed correctly. [1, 1]
- **Success/Failure Notifications:** Based on the detection results, the system sends toast

notifications to the user, indicating whether the application installation was successful or if a failure occurred. [1, 1, 2, 2]

- **Toast notifications:** These are small, visually appealing notifications that appear on the user's screen, providing immediate feedback on the deployment status. [2, 2, 11, 11]
- Toast notifications can be customized with text, icons, and interactive actions. [2, 11, 11, 12, 13]
- **Device Restart:** Depending on the policy configured in Intune, the client device may be restarted after the installation to ensure that the changes are applied correctly. [1, 1, 14, 15, 16]