In PSAppDeployToolkit, Execute-MSI is **a function used for installing, uninstalling, patching, repairing, or performing active setup on MSI and MSP files, or using MSI product codes**. For installation, it defaults to using the /i (install) switch of msiexec.exe, while for uninstallation, it uses the /x (uninstall) switch. You can specify the action to be performed, the path to the MSI file, parameters, and other options using the function's parameters. [1, 2, 3]

Installation:

- **Basic Usage:** You can simply provide the path to the MSI file and the -Action parameter set to "Install". [2, 2]
- **Parameters:** You can add or override default parameters to customize the installation process, such as /qn for silent installation, /norestart to prevent a system restart, or /L*v for verbose logging. [2, 2, 4, 4]
- **Example:** Execute-MSI -Action Install -Path "C:\path\to\app.msi" -Parameters "/qn REBOOT=ReallySuppress". [1, 1, 4, 4]

Uninstallation:

- **Basic Usage:** Set -Action to "Uninstall" and provide the path to the MSI file (or its product code). [2]
- **Parameters:** Similar to installation, you can use parameters to control the uninstallation process, such as /qn for silent uninstallation, or /L*v for logging. [2, 4]
- **Example:** Execute-MSI -Action Uninstall -Path "C:\path\to\app.msi" -Parameters "/qn REBOOT=ReallySuppress". [2, 4]

Important Considerations:

- **Product Code:** You can also use the product code of an installed MSI to uninstall it, rather than providing the MSI file path. [1, 1, 2]
- **Logging:** Use the -LogName parameter to specify the log file path and name for more detailed information about the installation or uninstallation process. [2, 2, 5]
- **Pre-flight Checks:** By default, Execute-MSI will check if the MSI is already installed before attempting to install it. You can disable this check using the -SkipMSIAlreadyInstalledCheck parameter. [6, 6]
- **Error Handling:** You can use the -ContinueOnError parameter to control how the script behaves if an error occurs during the installation or uninstallation process. [6, 6]