

# Managing PowerShell Modules

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# Overview



PowerShell package management and repositories

Finding and installing modules

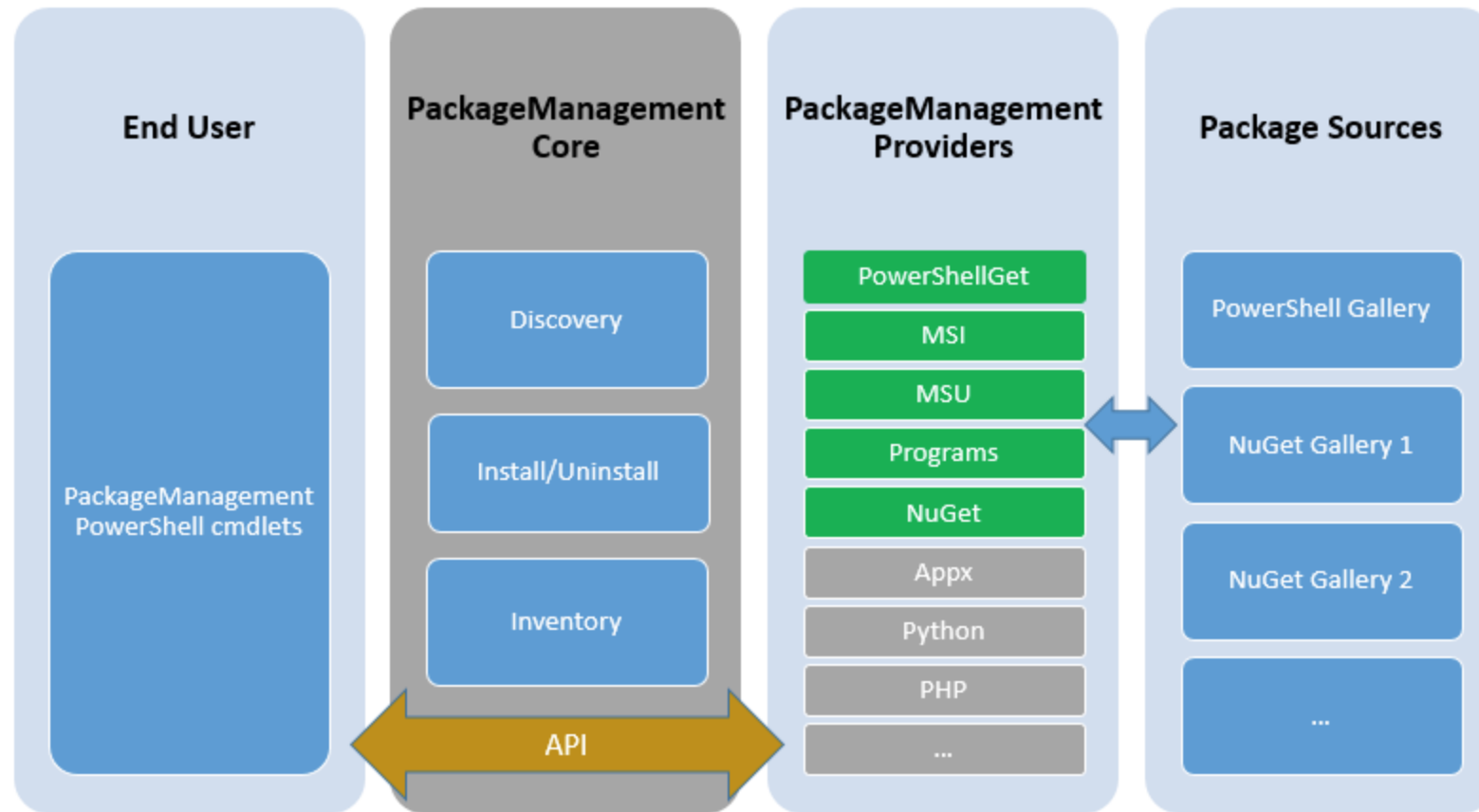
Updating modules

Removing and uninstalling modules

Offline module installation



# Windows PackageManagement Architecture



Source: <https://docs.microsoft.com/en-us/archive/blogs/packagemanagement/introducing-packagemanagement-in-windows-10>



# PowerShellGet

**Package management provider**

**Manage PowerShell modules, scripts and DSC resources**

- Discover, install, update, and publish

**Targets PowerShell Gallery by default**

**Requires:**

- PowerShell 3.0
- .NET Framework 4.5



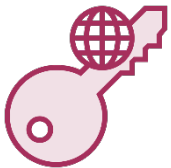
# PowerShell Repositories



Central locations to share, store and search for PowerShell content



Use PowerShellGet commands for discovering, installing, updating, and publishing



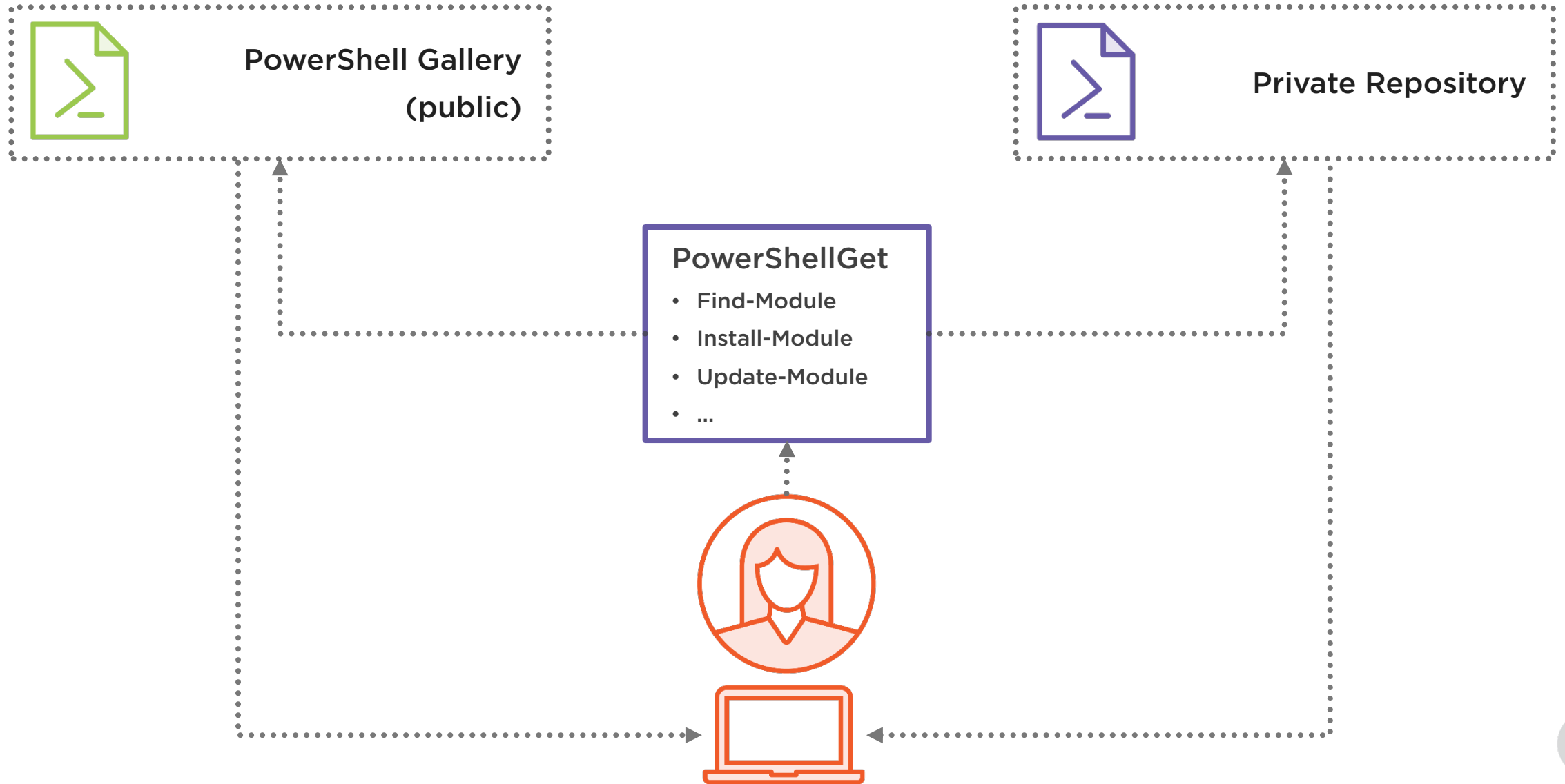
Can be public or private



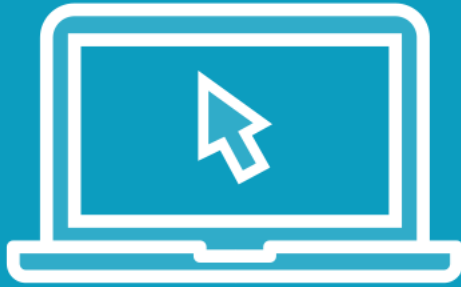
PowerShell Gallery is the default public repository



# Overview



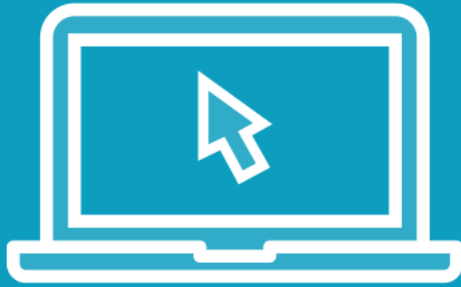
# Demo



Working with package management and repositories



# Demo

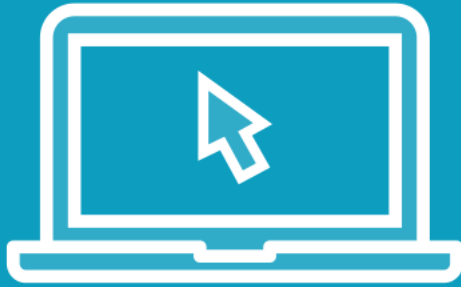


## Finding and installing modules





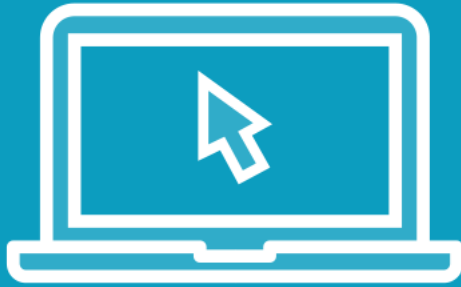
# Demo



## Updating modules



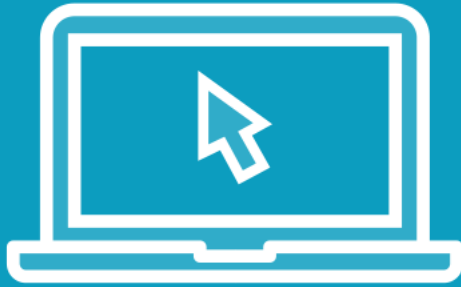
# Demo



## Removing and uninstalling modules



# Demo



## Offline module installation



# Save-Module

## Inspection

The files are saved, but not installed, and can be inspected by an administrator

## Offline Installation

The files are saved, but not installed, and can be transferred to an offline machine for installation



# Summary



## PackageManagement and PowerShellGet Repositories

### Working with modules

- Finding, installing, and updating
- Removing and uninstalling
- Offline installation

### Challenge:

- Explore, install, and use commands!

**Thank you!**

