





PSSnapins

- Typically require local installation
- Can be manually registered with .NET Framework
- Includes compiled cmdlets, help, providers and format or type extensions
- Use Get-PSSnapin to list
 - -Registered to display installed but not loaded
- Use Add-PSSnapin to load
 - Must be loaded in every session
 - PS C:\> Get-Command -module <PSSnapin>
 - Use Remove-PSSnapin to unload

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Modules

May require installation

- Typically only for special components that require local registration

Typically file based

- \$env:PSModulePath
- 3rd party modules may modify this path
- Modify path variable via GPO
- Or specify path to module when loading

Includes compiled cmdlets, help, providers and format or type extensions

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Modules

Use Get-Module to list

- ListAvailable to display found but not loaded

Use Import-Module to load

- Must be loaded in every session
- PS C:\> Get-Command -module <module>
- Use Remove-Module to unload

PowerShell 3.0 will autoloading module on first command use

- Only searches PSModulePath

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PSSnapin and Modules Demo

Lab

1. List currently loaded modules on your computer
2. List all available modules on your computer
3. List all the commands in the Microsoft.PowerShell.Utility module
4. Import the Microsoft.PowerShell.Diagnostics module

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