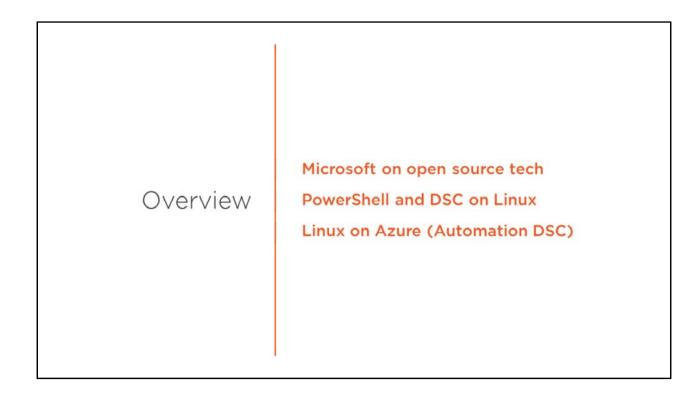
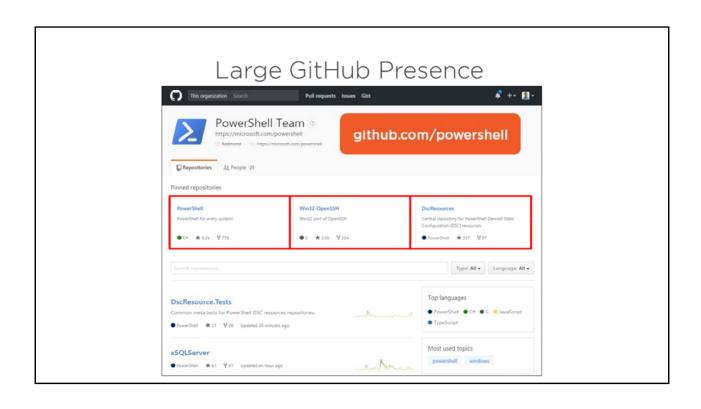
## Open-Source PowerShell!





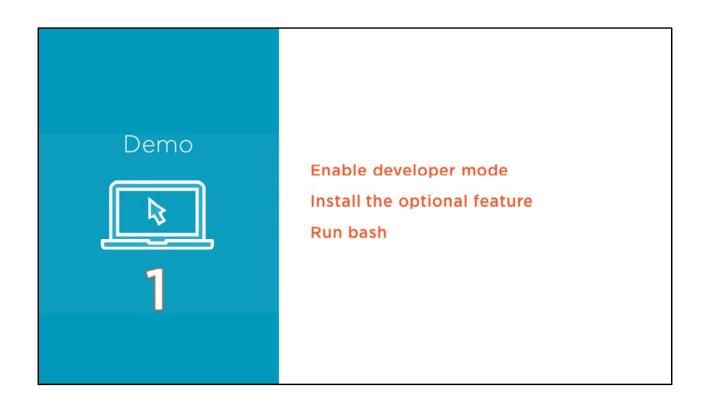


## Microsoft on Open Source Tech

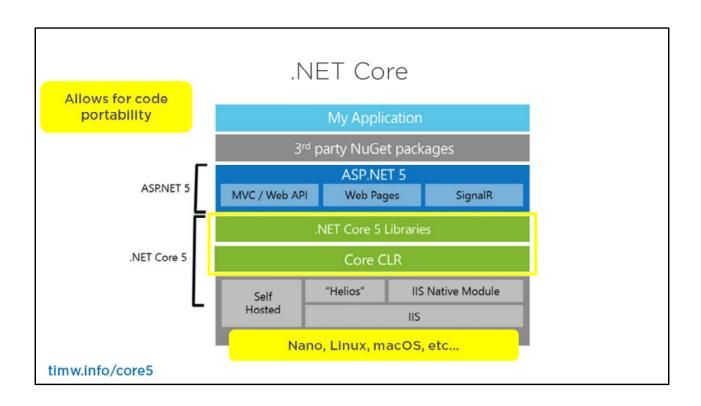


# Available on all Windows Desktop SKUs (!) Add the feature Run 'bash' at a prompt

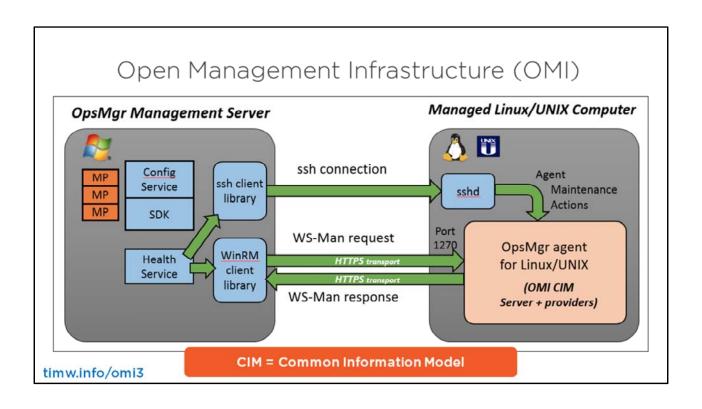
```
PS C:\> bash
-- Beta feature --
This will install Ubuntu on Windows, distributed by Canonical
and licensed under its terms available here:
https://aka.ms/uowterms
Type "y" to continue: y
Downloading from the Windows Store... 100%
Extracting filesystem, this will take a few minutes...
Please create a default UNIX user account. The username does not need to match your Window
s username.
For more information visit: https://aka.ms/wslusers
Enter new UNIX username: tim
Enter new UNIX password:
Retype new UNIX password:
passwd: password updated successfully
Installation successful!
The environment will start momentarily...
Documentation is available at: https://aka.ms/wsldocs
tim@BDDLAPTOP:/mnt/c$
```



# PowerShell (and DSC) on Linux







### PowerShell on Linux Use Cases







Consistent management experience SSH-based, bi-directional remoting

Operations Management Suite (OMS)

Desired State Configuration (DSC)

### Installation

```
# Enter superuser mode
sudo su

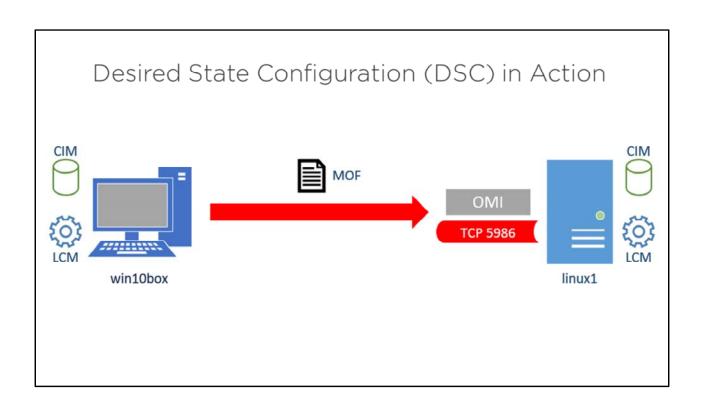
# Register the Microsoft RedHat repository
curl https://packages.microsoft.com/config/rhel/7/prod.repo > /etc/yum.repos.d/microsoft.repo

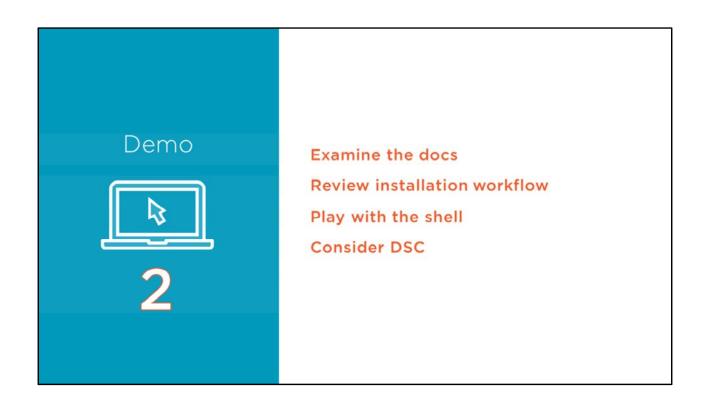
# Exit superuser mode
exit

# Install PowerShell
sudo yum install -y powershell

# Start PowerShell
powershell
```

```
- 0
                                                                              ×
File Edit View Search Terminal Help
PS /home/tim> Get-Module -ListAvailable
    Directory: /opt/microsoft/powershell/6.0.0-alpha.15/Modules
ModuleType Version
                                                          ExportedCommands
                      Name
Manifest 1.0.1.0
                      Microsoft.PowerShell.Archive
                                                          {Compress-Archive, ...
Manifest
          3.0.0.0
                      Microsoft.PowerShell.Host
                                                          {Start-Transcript,...
Manifest
           3.1.0.0
                      Microsoft.PowerShell.Management
                                                          {Add-Content, Clea...
                      Microsoft.PowerShell.Security
Manifest
           3.0.0.0
                                                          {Get-Credential, G...
         3.1.0.0
Manifest
                      Microsoft.PowerShell.Utility
                                                          {Format-List, Form...
                                                          {Find-Package, Get...
Script
          1.1.2.0
                      PackageManagement
                                                          {Describe, Context...
Script
           3.3.9
                      Pester
          1.1.2.0
                      PowerShellGet
Script
                                                          {Install-Module, F...
                      PSDesiredStateConfiguration
Script
         0.0
                                                          {IsHiddenResource,...
         1.2
                      PSReadLine
                                                          {Get-PSReadlineKey...
Script
PS /home/tim>
```





## Linux on Azure/ Azure on Azure Automation DSC

