PowerShell Desired State Configuration (DSC)





2 Run script

- Creates **one** MOF file per node
- Potential for long and complex configurations
 - → consider composite resources.

3 MOF sent to node

- One MOF file per node
 - → consider composite resources.
- Two distribution channels:
 - Pull mode ... interval based check.
 - Push mode ... manual file copy via WinRM.

4 Node configures

- Node checks for **push** config every 15min
- Node checks for **pull** config every 30min
- Use **get-dscstatus** to check config state

```
1 Create Composite Module
```

Create common composite module:

```
CompositeShareConfigModule folder

CompositeShareConfigModule.psd1 manifest file

DSCResources folder

CompositeShareConfig resource folder

CompositeShareConfig.schema.psm1

CompositeShareConfig.psm1
```

Similar structure to a standard resource module

4 Use the configuration

• Example usage:

Config re-use Simpler config files

Create Node-Less configuration -

Create composite CompositeShareConfig.schema.psm1 file

```
CompositeShareConfigModule
```

- CompositeShareConfigModule.psd1
- DSCResources
 - CompositeShareConfig
 - CompositeShareConfig.schem,a.psm1
- The extension is the magic glue!
- Example:

3 Create manifest file

New-ModuleManifest —Path "...\CompsiteShareConfigModile\DSCResources\CompositeShareConfig\CompositeShareConfig.psd1" -RootModule CompositeShareConfig.schema.psm1

