

PowerShell Desired State Configuration (DSC) Custom Resource Walkthrough

1 Design your Resource

- Shared or private
- Present or absent state
- Module with one or more resources

2 Decompose

- Design smallest logical steps
- Design for re-use
- Determine useful PowerShell commands

3 Generate Outline

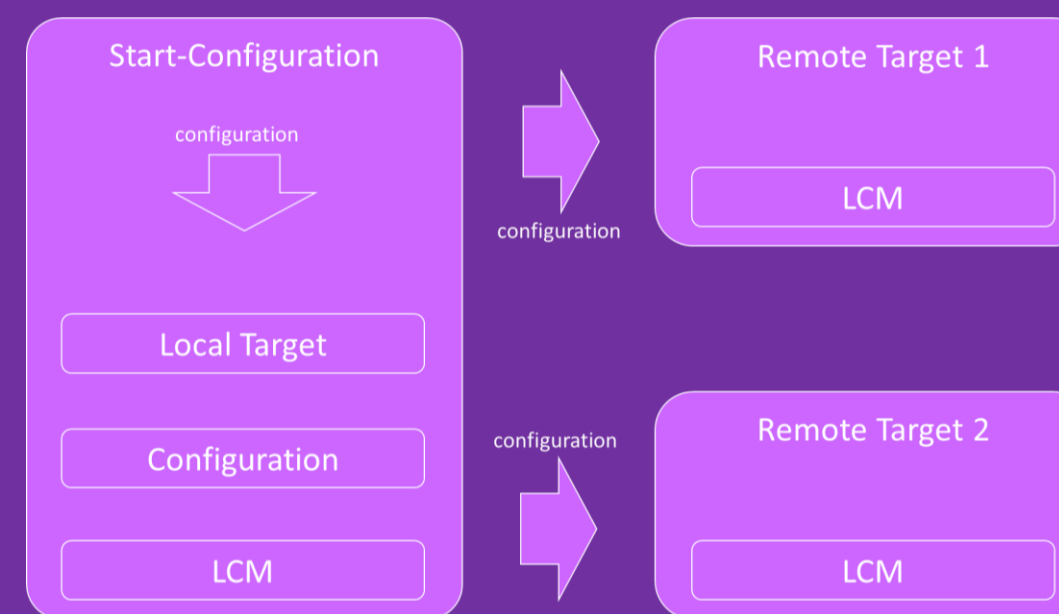
4 Develop resource

- Create resource schema
- Use xDscResourceDesigner to generate folder and file structure

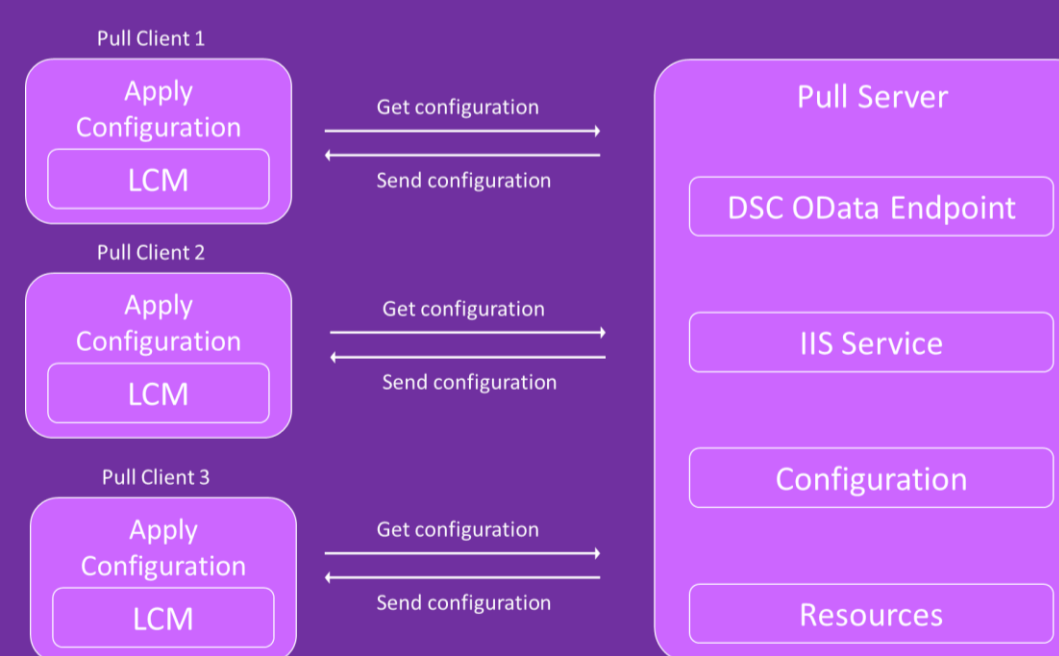
5 Unit Test Resources

- Each resource should have a separate unit test

Push Server



Pull Server



6 Create configuration

- Configuration {}
- Node specifies target
- Resource states

7 Deploy resource

- Zip module
- Create checksum
- Copy resource to pull server

- ## 8 Manual DSC Processing
- Force an update
 - Invoke-CimMethod

9 Troubleshooting

- Use verbose mode for more details
- Review DSC command results
- Review Event Viewer – operational log
- Review Event Viewer – DSC ETW log
- Bing! Someone else probably has a fix!