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Troubleshooting with RSoP

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Agenda

- What is Resultant Set of Policy?
- Using the Group Policy Management Console
- Using Windows PowerShell
- Using the CMD shell

Demos and scripts will be available from
http://jdhitsolutions.com/blog

Requirements

- Remote Server Administration Tools for Windows 7
- Enable Group Policy feature
- Permissions to read and generate Resultant Set of Policy data (per container)
- Remote Management Firewall Exception

What is Resultant Set of Policy?

- Group Policy can be applied to computer and/or user
- Policies set at Site, Domain and OrganizationalUnit
- You could have multiple policies
- Last applied “wins”
- RSoP is the cumulative effect for user and/or computer

RSoP Modes

- Modeling (or What If…)
  - Predicts what should happen
  - Use for planning and testing
  - No computer access required
- Results (or What Really Happened)
  - Get the actual results
  - Per user or machine
  - Requires connectivity to computer
  - User must have logged on

Using the Group Policy Management Console

- Wizard driven
  - Specify User(s) and/or Computer(s)
  - Specify group memberships
  - Specify WMI filters
- Create new reports from existing
- Create HTML or XML Reports
- Re-Run
- Advanced View to help find settings and their policy

Using the Group Policy Management Console

RSoP

Using the Group Policy Module

- Requires Remote Server Administration Tools
- Requires Windows 7 or Windows Server 2008 R2
- RSoP Permissions are set per container

Using the Module

- Import-Module GroupPolicy
- Get-GPResultantSetofPolicy cmdlet
  - Specify User/Computer
  - Create HTML/XML reports
  - Does Logging Only
- Parse the XML document in PowerShell

Using the Group Policy Cmdlets and Windows PowerShell

demo

Using the CMD Shell

- GPRESULT.EXE
- Create same type of reports (XML and HTML)
- Can be used remotely
- You can also get more detailed processing information

Using GPResult

My Resources

- Managing Active Directory with Windows PowerShell: TFM 2nd Ed. (SAPIEN Press 2011)
- Group Policy Team Blog: http://blogs.technet.com/b/grouppolicy/
- GPAnswers.com (http://www.gpanswers.com)
- http://jdhitsolutions.com/blog

Questions & Answers

Resources

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