



Essentials for using Windows PowerShell with XenApp and XenDesktop

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Agenda

- XenDesktop 4 SDK Overview
- XenApp 6 SDK Overview
- Wrap-up



Session Objectives

- **Understand** how to set up the XenApp/XenDesktop SDKs within your environment
- **Learn** basic PowerShell commands for interacting with a XenApp 6 and XenDesktop 4 farm
- **See** PowerShell scripts in action for performing common tasks that you might want to leverage within your own environment

Why Learn the PowerShell SDKs?

- Simplify management
 - Automate repetitive tasks
 - Reduce replication of tasks
 - Automate initial farm configuration
- Increase uniformity
 - Ensure consistency of configurations across entire farm
- Scheduled alerting and reporting
 - Receive messages and reports on farm performance

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XenDesktop 4 PowerShell SDK Overview

XenDesktop 4 PowerShell SDK Setup

- Pre-requisites
 - .NET Framework 3.5
 - PowerShell 1.0
- Setup
 - Located on XenDesktop 4 media
 - Install on DDC or any domain machine that can reach the DDC
 - Update PowerShell to allow script execution



XenDesktop 4 PowerShell SDK Demos



- Demo 1 – Basics
- Demo 2 – Retrieving the farm properties
- Demo 3 – Creating a new desktop group
- Demo 4 – Shutting down a virtual desktop after sending a warning message

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XenApp 6 PowerShell SDK Overview

XenApp 6 PowerShell SDK Setup

- Pre-requisites

- MSI 3.0
- PowerShell 2.0
- .Net 3.5 SP1
- If you're using a XenApp server, these are already there!

- Setup

- Download from <http://community.citrix.com/display/xa/XenApp+6+PowerShell+SDK>
- Install, accept remote signed PowerShell Scripts
- Run the SDK once and choose "Always Allow"

XenApp 6 PowerShell SDK Demos



- Demo 1 – Basics
- Demo 2 – Farm Inventory
- Demo 3 – Application Health Check
- Demo 4 – Server Health Check

Demo 1 – The Basics

Goal

Understand the three different snap-ins

New Content

PowerGUI PowerShell Editor

Demo 2 – Farm Inventory

Goal

To create an inventory of the XenApp servers and applications

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Emailing results of PowerShell scripts
Foreach statements

Demo 3 – Application Health Check

Goal

Ensure applications are configured for session sharing and availability

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Conditional statements

Making farm-wide changes

Demo 4 – Server Health Check

Goal

Ensure servers are up, enabled and responding

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Logging to file

Network communications



Wrap-up

Resources

Twitter:

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- Ask the Architect Site: <http://community.citrix.com/p/ata>
- XenDesktop SDK
 - Ed York blog – <http://community.citrix.com/blogs/citrite/edy>
 - Citrix CDN – <http://community.citrix.com/p/cdn-desktops>
 - SDK Forum – <http://forums.citrix.com/forum.jspa?forumID=741>
- XenApp SDK
 - Mike Bogobowicz blog – <http://community.citrix.com/blogs/citrite/michaelbog>
 - Citrix CDN – <http://community.citrix.com/cdn/xa/codeshare/>
 - PowerGUI – <http://www.powergui.org>
- Questions!

Q&A



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