Cheatography

SharePoint Powershell Developers Usefull Commands Cheat Sheet

by Valentin LECERF (iox) via cheatography.com/40809/cs/12476/

General Powershell Commands

List the powershell commands	Get-Command
Restart IIS Services	iisreset
Reference SharePoint Component	Add-PSSnapin "Microsoft.SharePoint.PowerShell"
Returns the names of all users who have the SharePoint_Shell_Access role	Get-SPShellAdmin
Adds a user to the SharePoint_Shell_Access role for the specified database	Add-SPShellAdmin {User account name}
Get the local sharepoint farm	Get-SPFarm
List the web applications	Get-SPWebApplication
List the site collections	Get-SPSite
List the site of a site collection	Get-SPWeb -Site {url of the site}
Removes a user from the SharePoint_Shell_Access role	Remove-SPShellAdmin -Username {Account name}
List the content databases	Get-SpDatabase

IISRESET is a command line utility that you can use in powershell but in command prompt also, this can be usefull in some cases for developers.

SharePoint App Deployment

Imports an app package	Import-SPAppPackage -Path {Path to .spapp file} -Site {Site collection url} -Source {Source of the app}
Installs an instance of an app	Install-SPApp -Web {Web url} -Identity {spapp object returned from import command}
Uninstalls an instance of an app	Uninstall-SPAppInstance -Identity {spapp object returned from get-spappinstance command}
Updates the app instance	Update-SPAppInstance -Identity $instance -App $spapp

For import app package command, here are the valid values for Source attribute:
- SharePoint Store
- App catalog
- SharePointService

Timer Job

List jobs of a web application	Get-SPTimerJob -WebApplication {Web application url}
Start a job	Start-SPTimerJob -Identity {Job GUID}

Farm Solution Deployment

List the solution of farm solution store	Get-SPSolution
List the features of the farm	Get-SPFeature
Add a solution to farm solution store	Add-SPSolution -LiteralPath {Path to .wsp file}
Install farm solution to a web application	Install-SPSolution -Identity {.wsp file name and extension} -WebApplication {Web App Url} -GACDeployment;
Update farm solution to a web application	Update-SPSolution -Identity {wsp file name and extension} -LiteralPath {Full path of new .wsp file} -GACDeployment
Uninstall farm solution	Uninstall-SPSolution -Identity {wsp file name and extension} -WebApplication {web app url}
Remove farm solution from the store	Remove-SPSolution -Identity {wsp file name and extension}
Enable farm solution feature on a site	Enable-SPFeature -Identity {Feature Name or ID} -Url {Site url}
Disable farm solution feature on a site	Disable-SPFeature -Identity {Feature name or ID} -Url {Site url}
Installs a SharePoint Feature by using the Feature.xml file	Install-SPFeature -path {name of feature.xml store in hive}
Uninstalls an installed feature definition	Uninstall-SPFeature -Identity {Feature name}

These commands concern farm solution, for SharePoint Application commands please see next block.



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Services	
List SharePoint Service Instances	Get-SPServiceInstance -Server {Server name}
Start instance of a SharePoint Service	Start-SPServiceInstance {Service GUID}
Stop instance of a SharePoint Service	Stop-SPServiceInstance {Service GUID}

Logs	
List the event logs	Get-EventLog -List
Reads/queries ULS trace logs	Get-SPLog-Event
Retrieves Diagnostic Configuration values	Get-SPDiagno-sticConfig
Allows setting Diagnostic Configuration values	Set-SPDiagno-sticConfig
Returns IDiagnosticsLevel2 objects or displays a list of diagnostics levels	Get-SPLog-Level
Allows the user to set the trace and event level for a set of categories	Set-SPLogLevel
Resets the trace and event levels back to their default values	Clear-SPL-ogLevel
Ends the current log file and starts a new one	New-SPLogFile
Combines trace log files from all farm servers into a single file	Merge-SPL-ogFile

All commands who contain SP do actions on SharePoint ULS (Unified Log Service)



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