Backing Up:

-Automating Scheduled tasks for SharePoint Backup

-Browsing the SharePoint backup server in Edge

-Select Backup and Restore

-Perform a backup

-This is using GUI

-Launch SharePoint Management Shell as Admin

-Get-SPWebApplication

-Backup-SPFarm –BackupMethod Full –Directory [\\localhost\SPBackups](file:///\\localhost\SPBackups)

-Explorer.exe [\\localhost\C$\SPBackups](file:///\\localhost\C$\SPBackups) -> sharing -> Administrator -> OK

-Explorer.exe [\\localhost\spbackups](file:///\\localhost\spbackups)

-There will be an .xml along with a folder

-Open .xml with Edge

-Automatically provided a GUID <SPId> </SPId>

<SPBackupDirectory> [\\localhost\SPBackups\spbr0000\](file:///\\localhost\SPBackups\spbr0000\) </SPBackupDirectory>

To schedule automated backups:

-PowerShell

Add-PSSnappin “Microsoft.Sharepoint.PowerShell”

Set-ExecutionPolicy –ExecutionPoliy “Unrestricted” –Force

Backup-SPFarm –BackupMethod Full –Directory [\\localhost\SPBackups](file:///\\localhost\SPBackups)

Save as C:\SPBackups\backupsFarm.ps1

-Go to Task scheduler

-Run another SharePoint Management Shell

-To view the backups

-Get-SPBackupHistory –Directory [\\localhost\SPBackups](file:///\\localhost\SPBackups)

-Get-SPBackupHistory –Directory [\\localhost\SPBackups](file:///\\localhost\SPBackups) | Select \*

Restoring:

-Traditional method:

-Backup and Restore

-Restore from a backup

-There shows a .bak with its BackupID

-Run SharePoint Management Shell:

$BackupId = “BackupID”

Restore-SPFarm –Directory [\\localhost\SPBackups](file:///\\localhost\SPBackups) -BackupId $BackupId `-RestoreMethod New –ConfigurationOnly

A

-Run another SharePoint Management Shell

Restore-SPFarm –Directory [\\localhost\SPBackups](file:///\\localhost\SPBackups) -BackupId $BackupId `

-RestoreMethod overwrite –RestoreThreads 10 –Force

Configuring SharePoint:

-Run SharePoint Management Shell

-Install help files

Install-SPHelpCollection –All

Uninstall-SPHelpCollection –Name “OSSAdmin.1033” –Confirm

A

# To show all installed Help Collections

Get-SPHelpCollection

Uninstall-SPHelpCollection –Name “OSSEndUser.1033.12”

A

Install-SPFeature –AllExistingFeatures

Get-SPFarm | Select

# will give SharePoint\_Config

Get-SPFarm | Select \*

Creating Web Application:

-Select Web Applications Tab

-Create a new IIS web site

-Name, Port Header, URL

-Run SharePoint Management Shell

$ap = New-SPAuthenticationProvider

New-SPWebApplication –Name “New Site” –Port 9999 –Url <http://srv4023NewSite>

-ApplicationPool “SecurePool” –ApplicationPoolAccount `

(Get-SPManagementAccount “Diallonics\SPAdmin”)

-AuthenticationProvider $ap

-Deleting a web site:

-Run another Management Shell

Get-SPWebApplication <http://srv4023NewSite:9999> | Remove-WebApplication

–Zone “Default”

PowerShell Variables:

$var = “Hello World”

$var | Select \*

# Length is 11

$var = 5

Write-Output $var

# shows 5

$profile

# shows profile path

Write-Output “I drive a $var car”

# shows I drive a fast car

Quiz:

1. Which PowerShell command is used to back up a SharePoint farm?

Backup-SPFarm

1. Which PowerShell command is used to restore a SharePoint farm?

Restore-SPFarm

1. When specifying a PowerShell command, what sequence of commands is used?

A verb followed by a noun

1. Which PowerShell command is used to create a new web application?

New-SPWebApplication

1. What symbol is used to create a variable in PowerShell?

$

1. Identify the code required to pipe the results of the Get-Service command over to the Get-Member command.

Get-Service | Get-Member