Powershell practical session topics

Session 1 topics covered

1. windows PowerShell overview
2. windows PowerShell versions
3. windows PowerShell vs operating system
4. configuring the console
5. configuring the ISE
6. using Get-help
7. using Viewing help
8. using update-help
9. using about files
10. finding and running basic commands

Session 2 topics covered

1. how to upgrade powershell version from 4.0 to 5.0
2. Created and managed Active Directory objects by using Windows PowerShell
3. Configured network settings on Windows Server by using Windows PowerShell.
4. Created an IIS website by using Windows PowerShell.

Session 3 topics covered

1. Creating files and folders on a remote computer
2. Create a new folder on a remote computer
3. Create a new PS Drive mapping to the remote file folder
4. Create a file on the mapped drive
5. Creating a new Active Directory group
6. Create a PS Drive that maps to the Users container in AD DS
7. Basic scripting
8. Signing a script
9. Install a code signing certificate
10. Digitally sign a certificate
11. Set the execution policy

Session 4 topics covered

1. Enabling remoting on the local computer
2. Enable remoting for incoming connections
3. Performing one-to-one remoting
4. Performing one-to-many remoting
5. Create a persistent remoting connection to a server

Session 5 topics covered

1. Installing All windows server roles via powers hell
2. Configuring all domain controller via PowerShell and ISE
3. Configuring vhd disk like dynamic and fixed
4. Configuring virtual switches
5. Converting vhdx to vhd via PowerShell
6. Configuring Nano server for remote management
7. Configuring server core for remote management

Session 6 topics covered

1. Display the current day of the year.
2. Display information about installed hotfixes.
3. Display a list of available scopes from the DHCP server.
4. Display a sorted list of enabled Windows Firewall rules.
5. Display a sorted list of network neighbors.
6. Display information from the DNS name resolution cache.