## Web Application Creation Script

1. The web application creation script consists of two parts:
   1. WebAppCreation.ps1
      1. The powershell script, WebAppCreation.ps1, has the logic used to create the web applications for the SharePoint Farm. The “WebAppCreation” powershell script uses the WebApplications.xml file to create the SharePoint Server web applications, and any applicable managed paths for this installation.
   2. WebApplications.xml
      1. XML file which contains the parameters used to creation and configure the web application.
   3. Background Information
      1. New-SPWebApplication
         1. Information regarding the paramaters or the overall functionality in this powershell function can be found at the following location: <http://technet.microsoft.com/en-us/library/ff607931.aspx>
      2. Get-SPWebApplication
         1. Information regarding the parameters or the overall functionality in the powershell function can be found at the following location: <http://technet.microsoft.com/en-us/library/ff607562.aspx>
      3. New-SPManagedPath
         1. Information regarding the parameters or the overall functionality in the powershell function can be found at the following location: http://technet.microsoft.com/en-us/library/ff607693.aspx
      4. Get-SPManagedPath
         1. Information regarding the parameters or the overall functionality in the powershell function can be found at the following location: <http://technet.microsoft.com/en-us/library/ff607911.aspx>
2. Script Logic Review
   1. The script initially loads the Microsoft.SharePoint.PowerShell Snapin module
   2. The script reads the contents of the WebApplications.xml file.
   3. The script iterates through the WebApplications element.
      1. Each attribute is read and assigned a variable.
   4. The script tests to see if the Web Application exists in the SharePoint farm.
      1. If yes, the script does not create the Web Application.
      2. If no, the script gets the application pool managed account, and created the web application.
   5. As each web application is created or verified as being created, the script will attempt to create the managed paths listed in the WebApplications.xml file.
      1. The script reads in the ManagedPath element, and the attributes are assigned variables.
      2. The script tests for the managed path.
         1. If yes (it exists), the script continues without doing anything.
         2. If no, the script creates the managed path with the managed path attributes.
3. Script execution
   1. Ensure the powershell script and the xml file are in the same directory.
   2. Open the Window PowerShell Modules from the Administrative Tools menu.
   3. From within PowerShell, change directory to the directory where the scripts are located.
   4. Enter the command: ./WebAppCreation.ps1
   5. The script will create the applicable web applications and subsequent managed paths in the web application.