# Hyper-V Manager on Windows 8.1

## Hyper-V host configuration

- Log on to server
- Configure Firewall
- The easiest ways to manage firewall on a Hyper-V core server is to;
1. Disable firewall all together

   ***netsh advfirewall set allprofiles state off***

   ```
   PS E:\> netsh advfirewall set allprofiles state off
   Ok.
   ```

2. Enable Remote management of Firewall so it can be managed from any server with GUI

   ***netsh advfirewall show currentprofile*** **<--- Shows the configuration of the current active profile**

   ```
   PS E:\> Netsh advfirewall show currentprofile

   Domain Profile Settings:
   ----------------------------------------------------------------------
   State                                 OFF
   Firewall Policy                       BlockInbound,AllowOutbound
   LocalFirewallRules                    N/A (GPO-store only)
   LocalConSecRules                      N/A (GPO-store only)
   InboundUserNotification               Disable
   RemoteManagement                      Disable
   UnicastResponseToMulticast            Enable

   Logging:
   LogAllowedConnections                 Disable
   LogDroppedConnections                 Disable
   FileName                              %systemroot%\system32\LogFiles\Firewall\pfirewall.log
   MaxFileSize                           4096

   Ok.
   ```

   ***netsh advfirewall set currentprofile settings remotemanagement enable***

   ***netsh advfirewall firewall set rule group="Windows Firewall Remote Management" new enable=yes***

- Adding a local user that will be used for the connection

   ***NET USER hypervTest "CoolJoe12" /ADD***

   ```
   PS E:\> net user hypervTest "CoolJoe12" /add
   The command completed successfully.
   ```

   ***NET LOCALGROUP "Administrators" "hypervTest" /add***

   ```
   PS E:\> net localgroup "Administrators" "hypervTest" /add
   The command completed successfully.
   ```

- Configure Windows Remote management on host server

   ***WinRM qc***

   ```
   PS E:\> winrm qc
   WinRM service is already running on this machine.
   WinRM is already set up for remote management on this computer.
   PS E:\> _
   ```

## Client Configuration

- Log on to computer
- Edit the hosts file on the file on the computer
  - Start up a PowerShell Windows as Administrator
  - Within the Administrative PowerShell

       ***notepad C:\Windows\System32\drivers\etc\hosts***

○ And enter the IP Address and Server Name of the Hyper-V Host as seen in the screenshot below



- Allowing Remote access to the Computer object
  - ➢ Go to *Control Panel* then *Administrative Tools*
  - ➢ Under *Administration Tools* got to *Component Services*
  - ➢ Expand *Computers*, then right-click on *My Computer* and go to *Properties*
  - ➢ Within the properties to go the *COM Security* tab under *Access Permissions* click on *Edit Limits*
  - ➢ Select *Anonymous Logon* and check the *Allow* under *Remote Access*
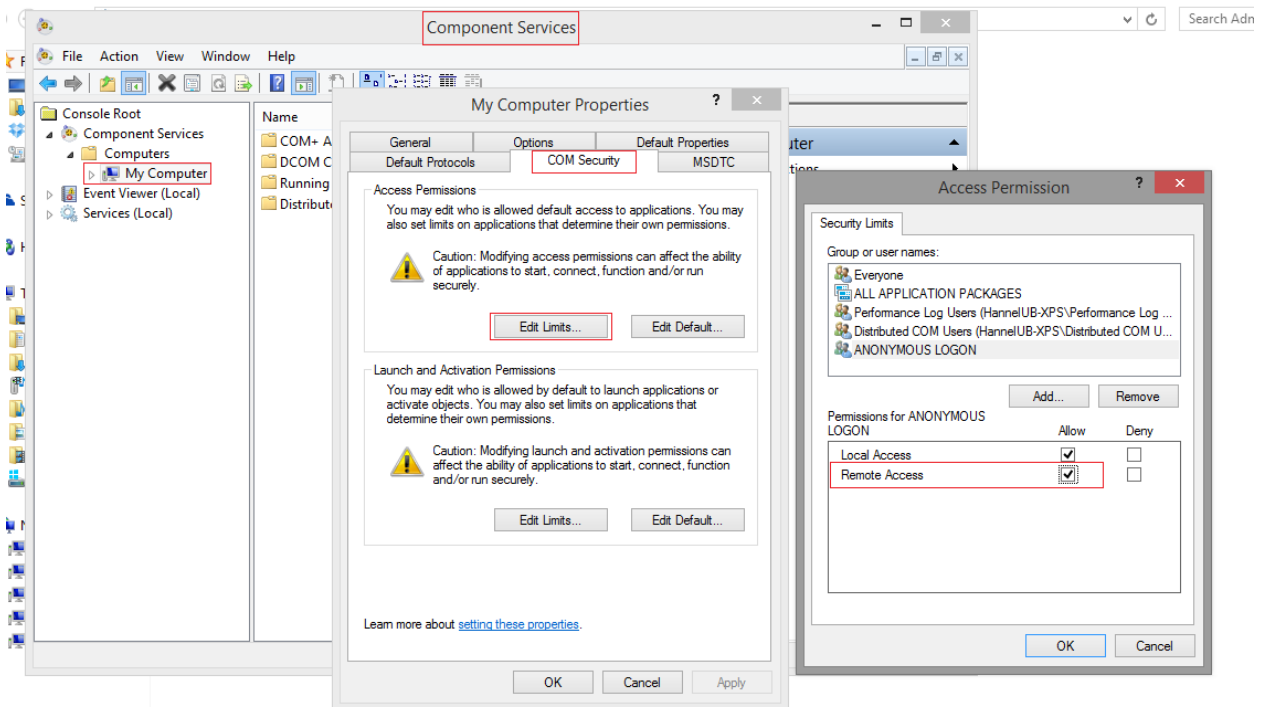


- Adding credential for Hyper-V Manager to use to make connection

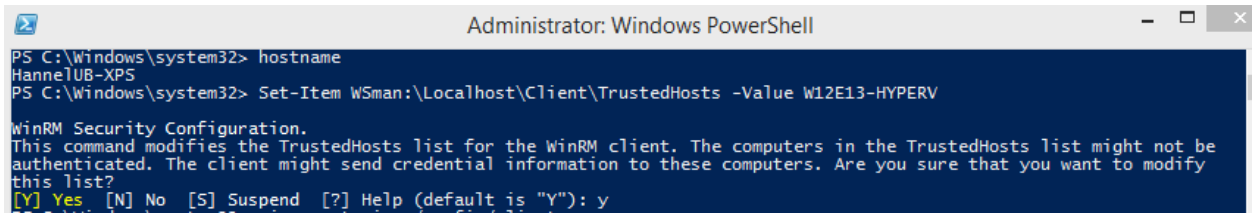  **cmdkey /add:W12E13-HYPERV /user:hypervTest /pass:CoolJoe12**

- Adding Hyper-V host server to the WinRM Trusted Host on the client

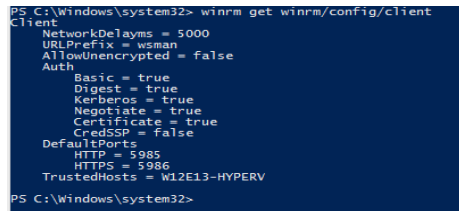  ***Set-Item WSMan:\localhost\Client\TrustedHosts -Value W12E13-HYPERV –Concatenate***

  ```
  PS C:\Windows\system32> hostname
  HannelUB-XPS
  PS C:\Windows\system32> Set-Item WSman:\Localhost\Client\TrustedHosts -Value W12E13-HYPERV

  WinRM Security Configuration.
  This command modifies the TrustedHosts list for the WinRM client. The computers in the TrustedHosts list might not be
  authenticated. The client might send credential information to these computers. Are you sure that you want to modify
  this list?
  [Y] Yes  [N] No  [S] Suspend  [?] Help (default is "Y"): y
  ```

- WinRM Verification can be done

  ***winrm get winrm/config/client***

  ```
  PS C:\Windows\system32> winrm get winrm/config/client
  Client
      NetworkDelayms = 5000
      URLPrefix = wsman
      AllowUnencrypted = false
      Auth
          Basic = true
          Digest = true
          Kerberos = true
          Negotiate = true
          Certificate = true
          CredSSP = false
      DefaultPorts
          HTTP = 5985
          HTTPS = 5986
      TrustedHosts = W12E13-HYPERV

  PS C:\Windows\system32>
  ```

DONE.