Relativity Dev VM

Create Windows Base Machine

Documentation

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# Instructions

1. Create the following folders on host machine
   1. **S:\Hyper-V**
   2. **S:\ISO**
2. Download **Windows Server 2012 R2** ISO file at this link - <http://care.dlservice.microsoft.com/dl/download/6/2/A/62A76ABB-9990-4EFC-A4FE-C7D698DAEB96/9600.17050.WINBLUE_REFRESH.140317-1640_X64FRE_SERVER_EVAL_EN-US-IR3_SSS_X64FREE_EN-US_DV9.ISO>
3. Copy the downloaded ISO file to **S:\ISO** folder
4. Enable Hyper-V on the host machine.
5. Create an **External Hyper-V Virtual Switch** on the host machine. Name the switch as **RelativityDevVmSwitch.**
6. Set **PowerShell** to always open with ‘**Run as Administrator**’ permissions.
7. Run the following commands in PowerShell

$vm = New-VM -Name DevVmBase -MemoryStartupBytes 12GB -NewVHDPath "S:\Hyper-V\DevVmBase\Virtual Hard Disks\DevVmBase.vhdx" -NewVHDSizeBytes 120GB -Path "S:\Hyper-V" -SwitchName RelativityDevVmSwitch

$vm | Add-VMDvdDrive -Path "S:\ISO\9600.17050.WINBLUE\_REFRESH.140317-1640\_X64FRE\_SERVER\_EVAL\_EN-US-IR3\_SSS\_X64FREE\_EN-US\_DV9.ISO"

$vm | Set-VM -AutomaticStartAction StartIfRunning -AutomaticStopAction ShutDown

$vm | Start-VM

1. Choose the **Windows Server 2012 R2 Standard Evaluation (Server with a GUI)** option for windows installation.
2. Eject the OS disk.
3. Change Computer Name to **DevVmBase**.
4. Share the host machine internet connection with the VM. (share it to **RelativityDevVmSwitch**)
5. Run the following command in PowerShell

Set-ExecutionPolicy Unrestricted

1. Install **PowerShell 5**
   1. Download and install [Win8.1AndW2K12R2-KB3191564-x64.msu](https://go.microsoft.com/fwlink/?linkid=839516) file at this link - <https://docs.microsoft.com/en-us/powershell/wmf/5.1/install-configure>
   2. Restart VM.
2. Install **.NET 4.6.2**
   1. Download and install - <https://www.microsoft.com/en-us/download/details.aspx?id=53344>
   2. Restart VM.
3. Delete Install files from the **Downloads** and **Recycle Bin** folders.
4. Setup **WinRM**
   1. Run the following commands in PowerShell

Get-NetFirewallPortFilter | ?{$\_.LocalPort -eq 5985 } | Get-NetFirewallRule | ?{ $\_.Direction -eq "Inbound" -and $\_.Profile -eq "Public" -and $\_.Action -eq "Allow"} | Set-NetFirewallRule -RemoteAddress "Any"

winrm quickconfig -q

winrm set winrm/config/winrs '@{MaxMemoryPerShellMB="512"}'

winrm set winrm/config '@{MaxTimeoutms="1800000"}'

winrm set winrm/config/service '@{AllowUnencrypted="true"}'

winrm set winrm/config/service/auth '@{Basic="true"}'

Start-Service WinRM

set-service WinRM -StartupType Automatic

1. Remove **IPV6** for the **Ethernet** Network Adapter.
2. In **Server Manager** application
   1. Turn off **Firewall** (for Domain, Private and Public profiles)
   2. Enable **Remote Desktop** connections
   3. Turn **IE Enhanced Security Configuration** Off. (for Administrators and Users)
   4. Change **Windows Time zone** to your local Time zone.
3. Change **User Account Control** settings to **Never Notify**.
4. **Windows Updates**
   1. Turn on Automatic Updates.
   2. Install all available updates