

Metasploitable 3 configuration for Windows 2008 R2

Pre-amble

This small package was written due to consistent failures in the packer/vagrant/chef build from Rapid 7.

In essence, the default configuration of Win2K8R2 does not have the right versions of .Net or WMF (Powershell). The correct version of Powershell is important, because v 2.0 will only ever use it's own version of .Net, so calls to [net.servicepointmanager]::securityprotocol tls12 will always fail. To confirm, run [enum]::GetNames([Net.SecurityProtocolType]) from the Powershell prompt and you should see something like the following output (but including Tls12):

```
PS C:\Users\Administrator> [enum]::GetNames([Net.SecurityProtocolType]) Ssl3 Tls Tls11 Tls12 PS C:\Users\Administrator>
```

Additionally, there is no obvious single script with the installation order for the scripts; some rely on others to be run first, others are entirely but confusingly independent.

The following process script dg_install_ms3.ps1 is the end result of some experimentation and should automate the process of configuring an out-of-the-box Win2K8R2 VM for Metasploitable 3.

Finally, read the section in the script which configures the firewall to automatically enable/disable the firewall.

In the VM

1. There are several downloads during installation, so make sure your VM is on a NAT or Bridged network and can access the internet.
2. Change the password policy in the VM to disable enforcement of password complexity:
 1. Click Start and select Run to open Run dialog box. Then type gpedit.msc and click OK to open Local Group Policy Editor.
 2. Expand Computer Configuration -> Windows Settings -> Security Settings -> Account Policies -> Password Policy.
 3. Double-click "Password must meet complexity requirements". Change the setting to "disabled" and then click Apply to save changes.
3. Create the administrator user vagrant : vagrant on the VM (this is required, for instance, for gem installation which looks for .gemrc in C:\Users\vagrant)
4. Login as vagrant : vagrant
5. Copy this folder and the executable installers to the VM. Copy the sub-folder "vagrant" to the VM as "C: vagrant"
6. From this folder, install .Net 4.6 (either the online installer DOT_NET_4.6_ONLINE_NDP46-KB3045560-Web.exe or the offline installer DOT_NET_4.6_OFFLINE_NDP46-KB3045557-x86-x64-AllOS-ENU.exe).
7. {Restart}
8. Install WMF 3.0 (WMF_3.0_Windows6.1-KB2506143-x64.msu).
9. {Restart}
10. [Optional] To obviate the problems I had with vcredist run the installer (vcredist_x64.exe) or take your chances with the script.
11. cd C:\vagrant
12. Set-ExecutionPolicy -ExecutionPolicy Bypass
13. Enter 'y' to confirm
14. ./dg_install_ms3.ps1
15. Snapshot the VM

Good luck!