

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.

First, copy this folder and the executable installers to the VM. Copy the sub-folder "vagrant" to the VM as "C:\vagrant"

In the VM:

1. There are several downloads prior to install, so make sure your VM is on a NAT or Bridged network.
2. 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).
3. {Restart}
4. Install WMF 3.0 (WMF_3.0_Windows6.1-KB2506143-x64.msu).
5. {Restart}
6. [Optional] To obviate the problems I had with vcredist run the installer (vcredist_x64.exe) or take your chances with the script.
7. [Optional] create the administrator user vagrant : vagrant on the VM (you can of course use your own admin account).
8. cd C:\vagrant
9. Set-ExecutionPolicy -ExecutionPolicy Bypass
10. Enter 'y' to confirm
11. ./dg_install_ms3.ps1
12. Snapshot the VM

Good luck!