Ansible WinRM Configuration

**Enable Windows WinRM & PowerShell Remoting**

1. Powershell (WinRM service)



1. PowerShell (Enable PSRemoting)



**PowerShell Create self-signed cert**

1. PowerShell (Run As Admin)
   1. “New-SelfSignedCertificate -DnsName "<YOUR\_DNS\_NAME>" -CertStoreLocation Cert:\LocalMachine\My”
      1. This command will create a new self signed certificate and output the certificate thumbprint. This cert is in personal.
   2. Copy the cert thumbprint run the following PowerShell command.
      1. “winrm create winrm/config/Listener?Address=\*+Transport=HTTPS '@{Hostname="<YOUR\_DNS\_NAME>"; CertificateThumbprint="<COPIED\_CERTIFICATE\_THUMBPRINT>"}'”
2. Add firewall rule via PowerShell.
   1. “netsh advfirewall firewall add rule name="Windows Remote Management (HTTPS-In)" dir=in action=allow protocol=TCP localport=5986”
3. <https://adamtheautomator.com/new-selfsignedcertificate/>
   1. Need to study this website.

**WinRM Health Check**

1. WinRM Listener settings
   1. “winrm enumerate winrm/config/Listener”
      1. Important, this will show if your listener is allowing HTTP/HTTPS and with who. Along with your self-cert thumbprint.
2. WinRM Service settings
   1. “winrm get winrm/config/Service”
      1. Important, this will show which type of authentication allowed.