

How to manually configure the Windows Management Framework

<https://campus.barracuda.com/doc/98217169/>

Starting with Barracuda RMM 2013 R1 FP3, the Barracuda RMM Onsite Managers will now be querying WMI over the WS-Management Protocol. If the WS-Management protocol is not available on a device, Barracuda RMM Onsite Manager will revert to querying WMI over DCOM.

In order to utilize WS-Man, Windows Management Framework (WinRM 2.0) or greater must be installed. Below are the steps required to configure the Windows Management Framework manually on a device.

To determine the version of the Windows Management Framework

1. Launch Command Prompt as Administrator.
2. Run the following command and look for the version:

```
PowerShell.exe Get-Host
```

Configuring WinRM 2.0

1. Launch Command Prompt as Administrator:

```
winrm quickconfig -q
```

2. Run the following commands to apply the required configuration change

```
winrm set winrm/config @{MaxEnvelopeSizekb = "2000"}  
winrm set winrm/config/client @{TrustedHosts="*"}  
winrm set winrm/config/client/auth @{Basic="true"}  
winrm set winrm/config/service @{EnumerationTimeoutms="240000"}  
winrm set winrm/config/service @{MaxConcurrentOperationsPerUser="1500"}  
winrm set winrm/config/service @{MaxConnections="50"}  
winrm set winrm/config/service/auth @{Basic="true"}
```

Configuring WinRM 3.0 or higher

1. Launch Command Prompt as Administrator.
2. Run the following command and follow the prompts to enable WinRM:

```
winrm quickconfig -q
```

3. Run the following commands to apply the required configuration changes

```
winrm set winrm/config @{MaxEnvelopeSizekb = "2000"}
winrm set winrm/config/client @{TrustedHosts="*"}
winrm set winrm/config/client/auth @{Basic="true"}
winrm set winrm/config/service @{EnumerationTimeoutms="240000"}
winrm set winrm/config/service @{MaxConcurrentOperationsPerUser="1500"}
winrm set winrm/config/service @{MaxConnections="300"}
winrm set winrm/config/service/auth @{Basic="true"}
winrm set winrm/config/service @{AllowRemoteAccess = "true"}
```

Script

The script below is also available in the wiki which will automate the above manual process if all you want is to configure an existing Windows Management Framework.

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