



Course Name

Zabbix And Grafana



My name

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Session 9 : install zabbix agent on windows server

How to install zabbix 6.4 form package:

<https://virgool.io/@amir.ajoodani/%D9%86%D8%B5%D8%A8-%D8%B2%D8%A8%DB%8C%DA%A9%D8%B3-64-wcqwvgvftxvq>

Install zabbix agent on windows server :

1-Create a new user for the Ansible windows connection setup.

- Open Computer Management on your Windows system and go to Local Users and Groups.
- Right-click on Users and create a new user.
- Select Password never expires checkbox and click on create.

2- Setup Libraries and WinRM

Go to your ansible controller machine, update it, and install the libraries mentioned below.

```
~$ sudo apt-get update
```

```
~$ sudo apt-get install gcc python-dev
```

```
~$ sudo apt install python3-pip
```

```
~$ sudo apt-get install python-winrm
```



3-Update the Ansible Inventory file

```
~$ sudo gedit /etc/ansible/hosts  
[win-server]  
192.168.0.177
```

4- Update the Ansible Group Variables

Create a directory for putting variables need to connect to the windows system.

```
~$ mkdir /etc/ansible/group_vars  
~$ sudo chmod -R 777 /etc/ansible/
```

Create a file win.yaml and put the user details you created in the 1st step and few more variables required to connect to the windows system.

```
~$ gedit /etc/ansible/group_vars/win.yaml
```



ansible_user: ansible

ansible_password: ansible

ansible_connection: winrm

ansible_winrm_server_cert_validation: ignore

ansible_winrm_transport: basic

ansible_winrm_port: 5985

ansible_python_interpreter: C:\Users\geekflare\AppData\Local\Programs\Python\Python37\python



5- Configure Windows Servers to Manage

Open your windows power shell and upgrade it. You need to have Powershell 3.0 and .NET Framework 4.0 present on the windows machine.

```
PS C:\WINDOWS\system32> $url = "https://raw.githubusercontent.com/jborean93/ansible-  
windows/master/scripts/Upgrade-PowerShell.ps1"  
PS C:\WINDOWS\system32> $file = "$env:temp\Upgrade-PowerShell.ps1"  
PS C:\WINDOWS\system32> $username = "ansible"  
PS C:\WINDOWS\system32> $password = "ansible"  
PS C:\WINDOWS\system32> (New-Object -TypeName System.Net.WebClient).DownloadFile($url, $file)  
PS C:\WINDOWS\system32> Set-ExecutionPolicy -ExecutionPolicy Unrestricted -Force  
PS C:\WINDOWS\system32> &$file -Version 5.1 -Username $username -Password $password -Verbose
```



To configure WinRM on a Windows system with ansible, a remote configuration script has been provided by ansible. Run the script in the PowerShell.

```
PS C:\WINDOWS\system32>
```

```
$url="https://raw.githubusercontent.com/ansible/ansible/devel/examples/scripts/ConfigureRemotingForAnsible.ps1"
```

```
PS C:\WINDOWS\system32> $file = "$env:temp\ConfigureRemotingForAnsible.ps1"
```

```
PS C:\WINDOWS\system32> (New-Object -TypeName System.Net.WebClient).DownloadFile($url, $file)
```

```
PS C:\WINDOWS\system32> powershell.exe -ExecutionPolicy Bypass -File $file
```

```
PS C:\WINDOWS\system32> winrm enumerate winrm/config/Listener
```



Set winrm to allow HTTP traffic.

```
PS C:\WINDOWS\system32> winrm set winrm/config/service '@{AllowUnencrypted="true"}'
```

Set the authentication to basic in wirm.

```
PS C:\WINDOWS\system32> winrm set winrm/config/service/auth '@{Basic="true"}'
```

6- Test Connectivity to the Windows Server

Now all the steps on the machine are done. Go to ansible controller machine and ping the windows server machine using win_ping ansible module.

```
~$ ansible win -m win_ping  
192.168.0.102 | SUCCESS => {
```

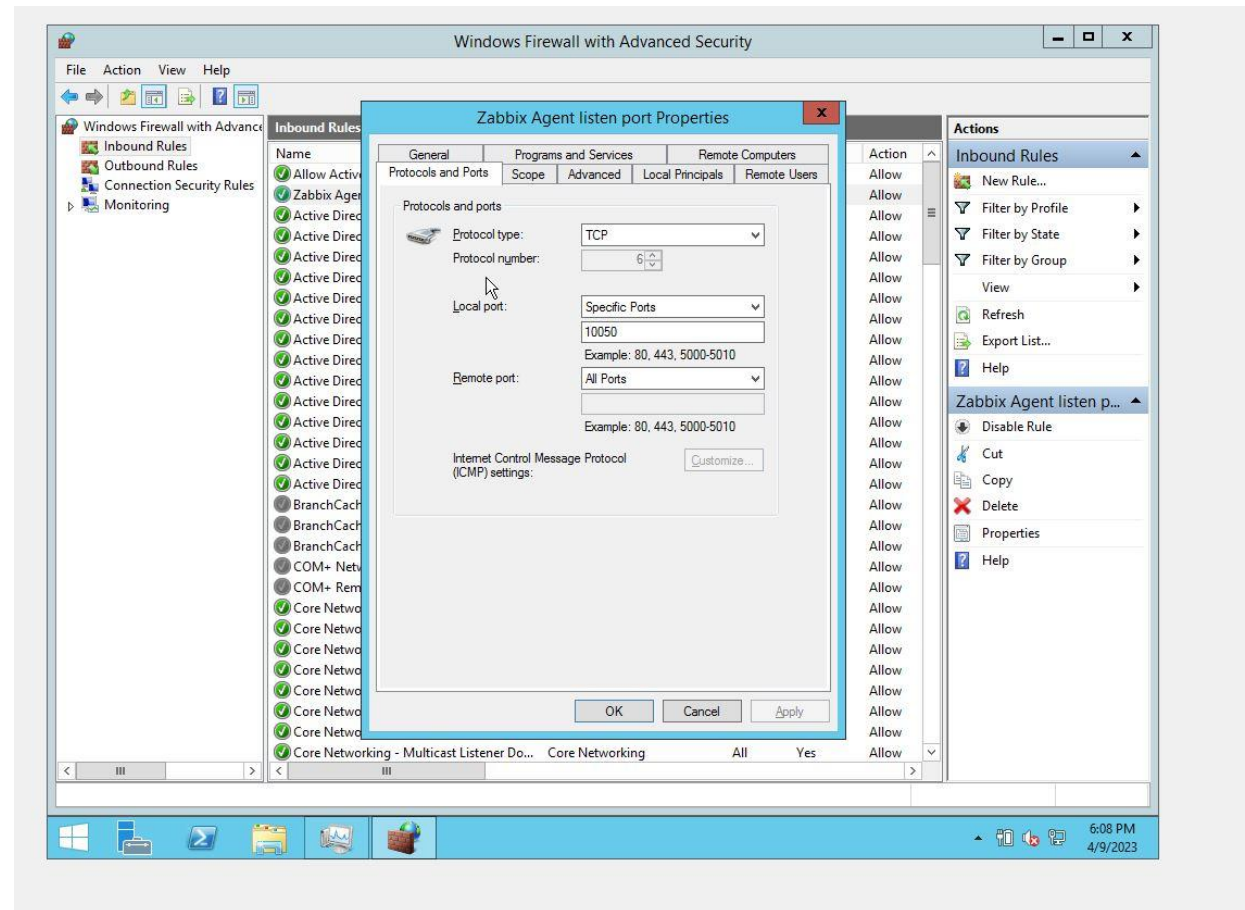
```
"changed": false,  
"ping": "pong"  
}
```



Put zabbix agent file on windows server and install it .

https://www.zabbix.com/documentation/current/en/manual/installation/install_from_packages/win_msi

Open port on firewall :



Download and put zabbix agent on windows server :

https://www.zabbix.com/download_agents