

Installation of Qualys Cloud Agents

Cyber Security

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1 INTRODUCTION

This document is a guide for the installation of Qualys Agents on Servers to allow for regular vulnerability scanning in accordance with the Cyber Security Policy Requirements.

2 AGENT INSTALL FILES

The Qualys install files for the various Operating system files can be found in the below file share.

\\tccs501zatcwi.vodacom.corp\Qaulys_Install_Files

In the share the following folders can be found for various agents installs.

- Agent Aix
- Agent Linux
- Agent Solaris
- Agent Windows
- Agent Openshift

3 AGENT PREREQUISITES

To install the Qualys cloud agent, you'll need the Cloud Agent installer and get the associated ActivationID and CustomerID. You'll need an agent activation key to install agents. This provides a way to group agents and bind them to our subscription with Qualys Cloud Platform.

Our CustomerID is:

- {3f751192-e92e-d42e-83ce-c5a54f519118}

We have the following Activation Keys used for deployments:

- AWS Server deployments: {500f07b4-4ee7-40cd-a278-69d512dac549}
- Internal Server deployments: {0ef02c30-c0eb-421e-bf46-0d234f5f5f3a}

The agent needs to be able to communicate with the below url:

<https://qagpublic.qg2.apps.qualys.eu/CloudAgent/>

To verify if your Operating System version is supported the Qualys agent check below URL

<https://success.qualys.com/support/s/article/000006675>

4 WINDOWS QUALYS AGENT MANUAL INSTALLATION

4.1 Windows Agent Manual Installation Steps

1. Download the Windows install package from the below network share.

\\tccs501zatcwi.vodacom.corp\Qaulys_Install_Files\Agent_Windows\Qualys_Agent

2. To install the windows agent, copy the windows agent "QualysCloudAgent" for the network share to the target host's local C:\ drive

cmd> C:\QualysCloudAgent.exe

3. From cmd command prompt run the following install command to activate the agent.

cmd> C:\QualysCloudAgent.exe CustomerId={3f751192-e92e-d42e-83ce-c5a54f519118}
ActivationId={0ef02c30-c0eb-421e-bf46-0d234f5f5f3a}
WebServiceUri=https://qagpublic.qg2.apps.qualys.eu/CloudAgent/

4. Configure the Qualys agent to use the Vodacom Proxy to communicate with the Qaulys Platform. If your network uses a different internet proxy please specify the correct one.

cmd> C:\Program Files\Qualys\QualysAgent>QualysProxy.exe /u http://vfproxy.vodacom.corp:443

5. Verify that the could agent process is running after the installation completed by running the following command.

cmd> tasklist | findstr QualysAgent

4.2 Restart Windows Qualys Agent

To restart the Windows Agent running the following command.

cmd> net stop QualysAgent

cmd> net start QualysAgent

4.3 Uninstalling Windows Qualys Agent

To uninstall the Qaulys Cloud Agent run the following command.

cmd> C:\Program Files\Qualys\QualysAgent\Uninstall.exe Uninstall=True

5 LINUX QUALYS AGENT MANUAL INSTALLATION

5.1 Linux Agent Manual Installation steps

This Agent can be installed on the following Operating Systems.

- Amazon Linux
- CentOS Linux
- Oracle Linux
- Red Hat Enterprise Linux
- SuSE Linux

1. Download the Linux install package from the below network share.

[\\tccs501zatcwi.vodacom.corp\Qaulys_Install_Files\Agent_Linux](http://tccs501zatcwi.vodacom.corp/Qaulys_Install_Files/Agent_Linux)

2. Copy the Qualys Cloud Agent installer onto the target host.

linux> scp ~/QualysCloudAgent.rpm user@targethost:~

3. Install the Qualys Cloud Agent using the rpm command.

linux> sudo rpm -ivh QualysCloudAgent.rpm

4. Activate the Qualys Cloud Agent using the following command.

linux> sudo /usr/local/qualys/cloud-agent/bin/qualys-cloud-agent.sh ActivationId=0ef02c30-c0eb-421e-bf46-0d234f5f5f3a CustomerId=3f751192-e92e-d42e-83ce-c5a54f519118

5. Setup the proxy configuration for the agent by creating a qualys-cloud-agent file in the system path "/etc/sysconfig/qualys-cloud-agent" if it doesn't exist.

linux> touch /etc/sysconfig/qualys-cloud-agent

6. Add the below entry in file to configure the proxy to be used by the agent to communicate to the Qaulys Platform. If your network uses a different internet proxy please specify the correct one.

linux> echo "https_proxy=https://vfproxy.vodacom.corp:443" > /etc/sysconfig/qualys-cloud-agent

5.2 Restarting the Linux Agent

To restart the Qaulys Cloud Agent run the following command.

linux> sudo service qualys-cloud-agent restart

5.3 Uninstalling the Linux Agent

To uninstall the Qaulys Cloud Agent run the following command.

linux> sudo rpm -e QualysCloudAgent.rpm

or

```
linux> /usr/local/qualys/cloud-agent/bin/qagent_uninstall.sh
```

6 UBUNTU QUALYS AGENT MANUAL INSTALLATION

6.1 Ubuntu Agent Manual Installation steps

1. Download the Ubuntu install package from the below network share.

\\tccs501zaticwi.vodacom.corp\Qaulys_Install_Files\Agent_Ubuntu

2. Copy the Qualys Cloud Agent installer onto the target host.

```
ubuntu> scp ~/QualysCloudAgent.deb user@targethost:~
```

3. Install the Qualys Cloud Agent using the following command.

```
ubuntu> sudo dpkg --install qualys-cloud-agent.x86_64.deb
```

4. Activate the Qualys Cloud Agent using the following command.

```
ubuntu> sudo /usr/local/qualys/cloud-agent/bin/qualys-cloud-agent.sh ActivationId=0ef02c30-c0eb-421e-bf46-0d234f5f5f3a CustomerId=3f751192-e92e-d42e-83ce-c5a54f519118
```

5. Setup https proxy configuration for the agent by creating a qualys-cloud-agent file in the system path "/etc/sysconfig/qualys-cloud-agent" if it doesn't exist.

```
ubuntu> touch /etc/sysconfig/qualys-cloud-agent
```

6. Add the below entry in the file to configure the proxy to be used by the agent to communicate to the Qaulys Platfrom. If your network uses a different internet proxy please specify the correct one.

```
ubuntu> echo "https_proxy=https://vfproxy.vodacom.corp:443" > /etc/sysconfig/qualys-cloud-agent
```

6.2 Restarting the Ubuntu Agent

To restart the Qaulys Cloud Agent run the following command.

```
ubuntu> sudo systemctl restart ufw
```

6.3 Uninstalling the Ubuntu Agent

To uninstall the Qaulys Cloud Agent run the following command.

```
ubuntu> sudo dpkg --purge qualys-cloud-agent
```

or

```
ubuntu> /usr/local/qualys/cloud-agent/bin/qagent_uninstall.sh
```

7 AIX QUALYS AGENT MANUAL INSTALLATION

7.1 AIX Agent Manual Installation steps

1. Download the AIX install package from the below network share

\\tccs501zaticwi.vodacom.corp\Qaulys_Install_Files\Agent_Aix

2. Copy the Qualys Cloud Agent installer onto the target host.

```
aix> scp ~/QualysCloudAgent.deb user@targethost:~
```

3. Rename and extract the bff.gz file

```
aix> sudo gzip -fd QualysCloudAgent.bff.gz > QualysCloudAgent.bff
```

4. Install the Qualys Cloud Agent using the following commands:

```
aix> sudo installp -acXd . qualys-cloud-agent.rte
```

5. Activate the Qualys Cloud Agent using the following command.

```
aix> sudo /opt/qualys/cloud-agent/bin/qualys-cloud-agent.sh ActivationId=0ef02c30-c0eb-421e-bf46-0d234f5f5f3a CustomerId=3f751192-e92e-d42e-83ce-c5a54f519118
```

6. Setup https proxy configuration for the agent by creating a qualys-cloud-agent file in the system path "/etc/default/" if it doesn't exist.

```
aix> touch /etc/default/qualys-cloud-agent
```

7. Add the below entry in the file to configure the proxy to be used by the agent to communicate to the Qualys Platform. If your network uses a different internet proxy please specify the correct one.

```
aix> echo "https_proxy=https://vfproxy.vodacom.corp:443" > /etc/sysconfig/qualys-cloud-agent
```

7.2 Restarting the AIX Agent

To restart the Qualys Cloud Agent run the following command.

```
aix> /opt/qualys/cloudagent/bin/qagent_restart.sh
```

7.3 Uninstalling the AIX Agent

To uninstall the Qualys Cloud Agent run the following command

```
aix> installp -acXd . qualys-cloud-agent.rte
```

or

```
aix> /usr/local/qualys/cloud-agent/bin/qagent_uninstall.sh
```

8 SOLARIS QUALYS AGENT MANUAL INSTALLATION

8.1 Solaris Agent Manual installation steps

1. Download the Solaris install package from the below network share.

[\\tccs501zatcwi.vodacom.corp\Qualys_Install_Files\Agent_Solaris](https://tccs501zatcwi.vodacom.corp/Qualys_Install_Files/Agent_Solaris)

2. Copy the Qualys Cloud Agent installer onto the target host.

```
solaris> scp ~/QualysCloudAgent.pkg user@targethost:~
```

3. Install the Qualys Cloud Agent using the following command.

```
solaris> pkgadd -d QualysCloudAgent.pkg
```

4. Activate the Qualys Cloud Agent using the following command.

```
solaris> sudo /opt/qualys/cloud-agent/bin/qualys-cloud-agent.sh ActivationId=0ef02c30-c0eb-421e-bf46-0d234f5f5f3a CustomerId=3f751192-e92e-d42e-83ce-c5a54f519118
```

5. Setup https proxy configuration for the agent by creating a qualys-cloud-agent file in the system path "/etc/default/" if it doesn't exist.

```
solaris> touch /etc/default/qualys-cloud-agent
```

6 Add the below entry in the file to configure the proxy to be used by the agent to communicate to the Qualys Platform. If your network uses a different internet proxy please specify the correct one.

```
solaris> echo "https_proxy=https://vfproxy.vodacom.corp:443" > /etc/sysconfig/qualys-cloud-agent
```

8.2 Restarting the Solaris Agent

To restart the Qualys Cloud Agent run the following commands

```
solaris> svcadm disable qualys-cloud-agent
```

```
solaris> svcadm enable qualys-cloud-agent
```

8.3 Uninstalling the Solaris Agent

To uninstall the Qaulys Cloud Agent run the following command

```
solaris> pkgrm -a /opt/qualys/cloud-agent/.pkg-uninstall-noask QualysCloudAgent.pkg
```

9 CONCLUSION

This concludes the qaulys agent installation guide.

For more information on the Qaulys agents see URL below:

<https://www.qualys.com/documentation/>