VISULOX

VISULOX 4

VISULOX4_QuickInstallGuide_OL8

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amitego

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This is a step by step guide to install the VISULOX PORTAL Service, local VISULOX GATEWAY and the VISULOX Service on a **stand-alone server**.	

1 Setup of an Oracle Linux 8 server with basic setup

- The recommended platform is Oracle Linux 8 with at least 10Gbyte for the OS, 20Gbyte for VISULOX PORTAL Service and 30 Gbyte for the VISULOX Service free space on the hard disc (small installation)
- VISULOX can be virtualized, the disk must NOT have "**Thin provisioning**" enabled.
- The **/opt** directory must NOT be mounted with **-nosuid** parameter.
- **umask 022** is recommended for installation and start of the VISULOX PORTAL Service
- **Symbolic links** are not supported
- The users ttasys and ttaserv have to be placed in the **/home** directory, if created manually before installation.
- The recommended VISULOX version is the latest VISULOX release
- The recommended user repositories are all repositories, that are supported by the VISULOX PORTAL Service
- Firewall configured properly or disabled
- /etc/hosts should look like: 127.0.0.1 localhost localhost.localdomain
- NTP **or** Chrony enabled
- For Ports, see**:** Network communication within VISULOX

⚠ Make sure that correct hostnames are used for the servers in the environment.
Hostnames **must not** contain underscores (because of RFC 952 and domain names with underscores)!
The FQDN of the host **must not** exceed 50 characters!
Changing hostnames after installation of VISULOX is not supported!
Checking the hostname (must be identical):

```
nslookup $(hostname -f) --> Hostname and IP address is displayed
nslookup <IP address> --> IP address and hostname is displayed

getent ahosts $(/opt/tarantella/bin/bin/ttahostname) --> IP address and hostname is displayed
getent hosts <IP address> --> IP address and hostname is displayed

getent ahost localhost --> IP address is displayed (127.0.0.1)
getent hosts 127.0.0.1 --> IP address (127.0.0.1) and hostname (localhost) is displayed
```

2 Update Oracle Linux 8 and install dependencies

Installing VISULOX 4.x on Linux platforms, the yum / dnf command has to be used to ensure that any package dependencies are resolved automatically.

This means that yum must be configured to use a suitable Linux package repository. Make sure that **oracle_appstream_latest** and **ol8-epel** are in yum repolist as well.

```
dnf repolist
This system is receiving updates from Unbreakable Linux Network or Spacewalk.

repo id                                                                 repo name

ol8-codeready                                                           ol8-codeready
ol8-epel                                                                ol8-epel
ol8_addons                                                              ol8_addons
ol8_appstream_latest                                                    ol8_appstream_latest
ol8_x86_64                                                              ol8_x86_64
```

ol8-codeready is needed for transitmapping.

For the Epel repository on Red Hat 8 use:

```
dnf install https://dl.fedoraproject.org/pub/epel/epel-release-latest-8.noarch.rpm
```

```
dnf install java-11-openjdk
dnf update
```

3 Download VISULOX packages

All VISULOX packages can be downloaded from amitego-engineering.

VISULOX packages

```
mkdir /root/POC
cd /root/POC

Copy all downloaded files to /root/POC

- visulox-rte-1.2.0-1.el8.x86_64.rpm
- visulox-4.1.0-1.el8.x86_64.rpm
- visulox-portal-4.1.0-1.el8.x86_64.rpm
- visulox-gateway-4.1.0-1.el8.x86_64.rpm
```

4 Installation

4.1 VISULOX RTE and VISULOX Service 4.x

```
cd /root/POC
dnf install visulox-rte-1.2.0-1.el8.x86_64.rpm
dnf install visulox-4.1.0-1.el8.x86_64.rpm
```

4.2 VISULOX PORTAL Service and VISULOX GATEWAY

```
dnf install visulox-portal-4.1.0-1.el8.x86_64.rpm
dnf install visulox-gateway-4.1.0-1.el8.x86_64.rpm

visulox-portal start
```

4.3 Configure local VISULOX GATEWAY

```
visulox-portal stop

visulox-portal discover gateway --local

visulox-portal start
visulox-gateway start
```

ⓘ On external VISULOX Gateways, use the following command to add the VISULOX Portal Array:

```
visulox-gateway server add-array --name osgd --serverurl <https://fqdn of the primary portal server>
```

The server URL has to be used only, without ".../sgd/" at the end.

After setup of the VISULOX Gateway, the load balancer probing template file is available.
(See also: How to create a feedback page for Load Balancers in the VISULOX GATEWAY configuration)

4.4 Attach VISULOX Service and start

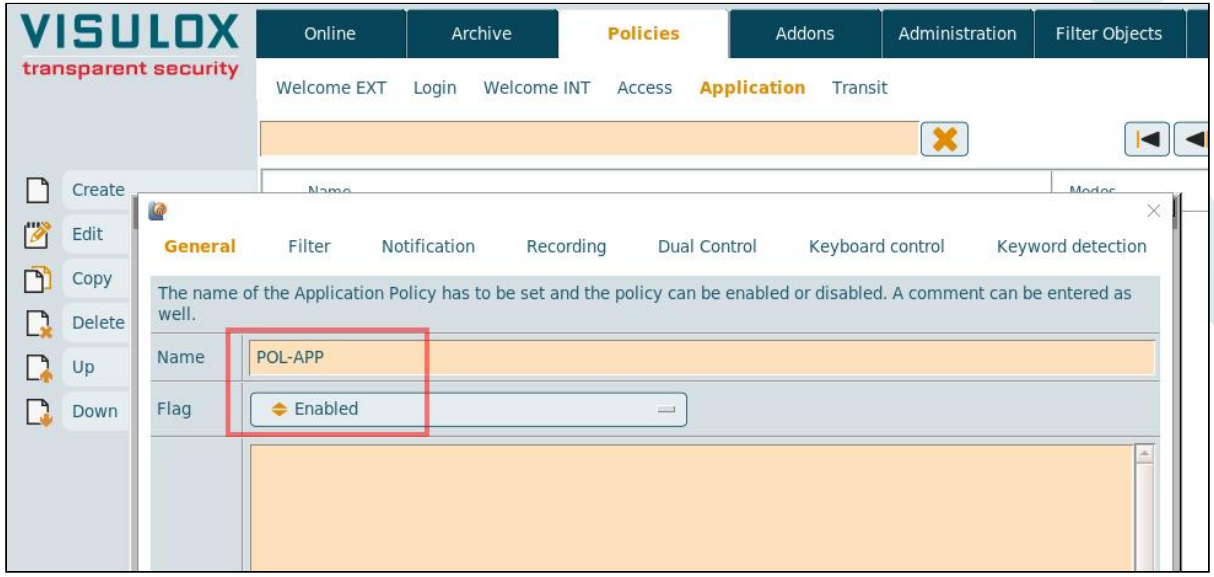
```
visulox portal attach

visulox start

visulox status
visulox integrity
```

5 Done / first steps

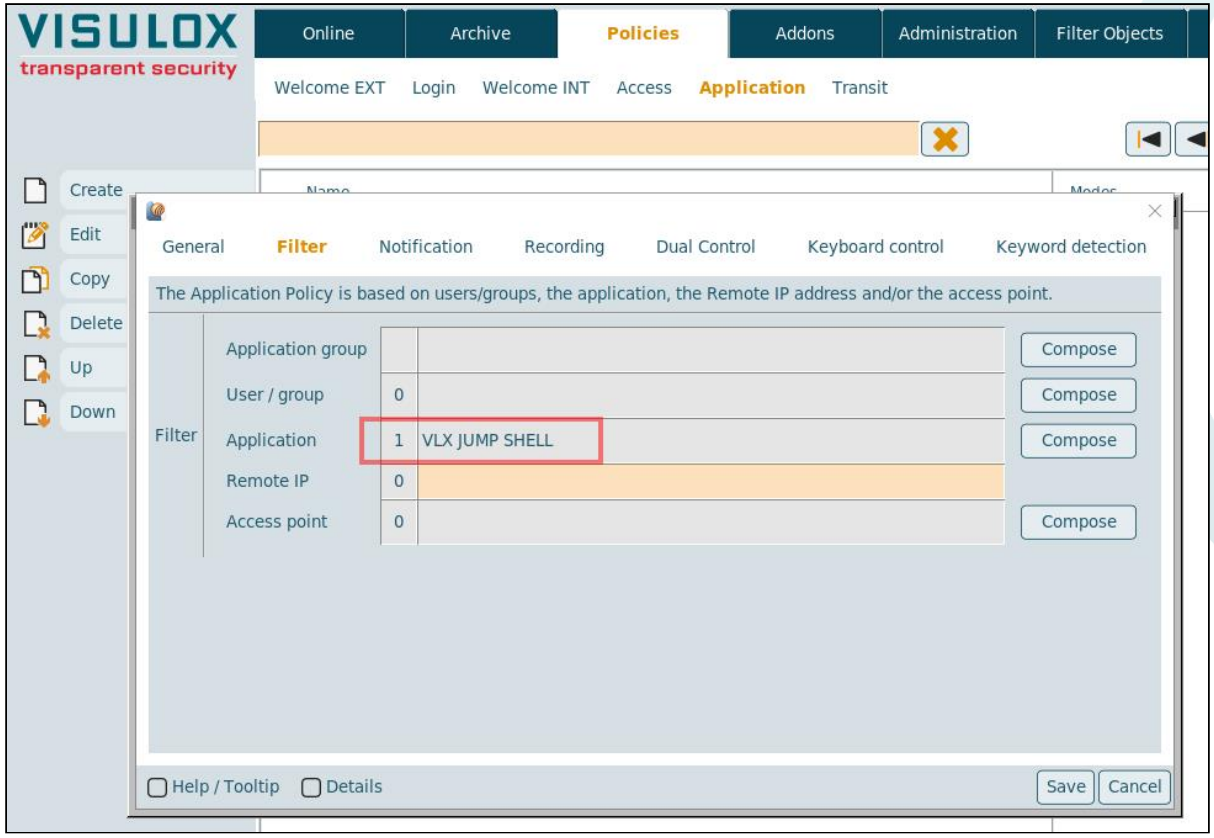
Login to your server (**https://*<full qualified domain name>***) as administrator with root password. Launch "**VLX Cockpit (all)**" from the Workspace.

In the VISULOX Cockpit go to Policies / Application Policy and configure "**VLX Jump Shell**" for recording:

Choose "**Create**" :

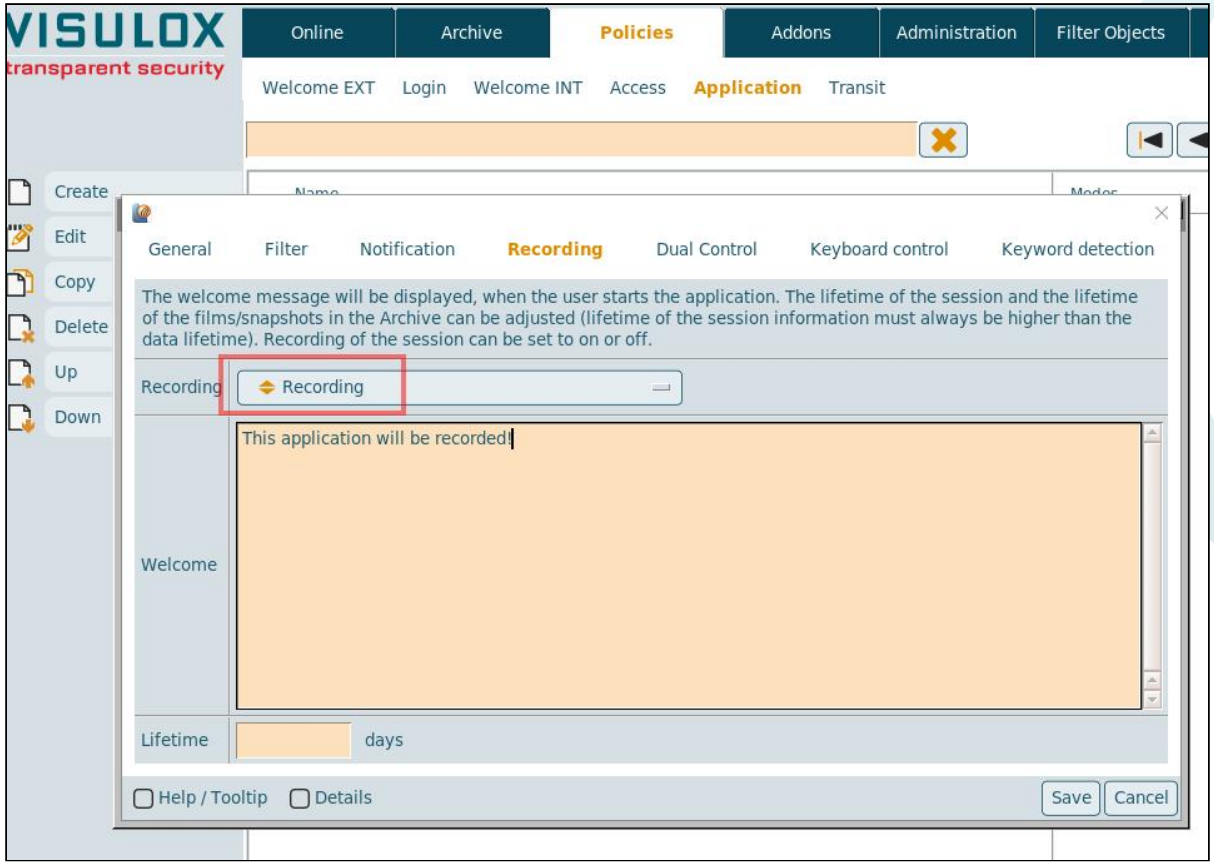


Change to the "**Filter**" tab and choose "**Compose**" for applications. Select "**VLX Jump Shell**" from the list and "**Add**". Then "**Save**":



Change to the "**Recording**" tab and enable recording by choosing "**Recording enabled**".

A comment can be written as seen in the example.



Launch the **VLX Jump Shell** application from the Workspace.

6 More steps

Use the **VISULOX PORTAL Console** to change other applications e.g. from "**Client Window Management Mode**" to "**Independent Window**" and add a window manager.

Add a new X11 application and use **vlxUnix.exp** as connection script.

Add a Windows application and use **vlxWindows.exp** as connection script.

Modify the command line to an available RDP Server in your network for **VLX RDP**. Launch VLX RDP and open the file explorer.
Go to drive E and place a file there. Go to your **Workspace** and expand the **VISULOX Transit Area**.
The file can be seen in the **Transit Zone**. Upload a file and it will be seen in your Windows session below E:\checked .

Checkout in **VIUSLOX Cockpit / Archive** what happens on the system.

For more detailed information about VISULOX, please refer to the full documentation or contact support@amitego.com.