VISULOX

VISULOX 3

VISULOX3_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
- 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 3.6 on Linux platforms, the yum 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 install xterm xclock xauth
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-3.6.3-1.el8.x86_64.rpm
- visulox-portal-3.6.3-1.el8.x86_64.rpm
- visulox-gateway-3.6.3-1.el8.x86_64.rpm
```

4 Installation

4.1 VISULOX RTE and VISULOX Service 3.6

```
cd /root/POC
dnf install visulox-rte-1.2.0-1.el8.x86_64.rpm
dnf install visulox-3.6.3-1.el8.x86_64.rpm
```

4.2 VISULOX PORTAL Service and VISULOX GATEWAY

```
dnf install visulox-portal-3.6.3-1.el8.x86_64.rpm
dnf install visulox-gateway-3.6.3-1.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

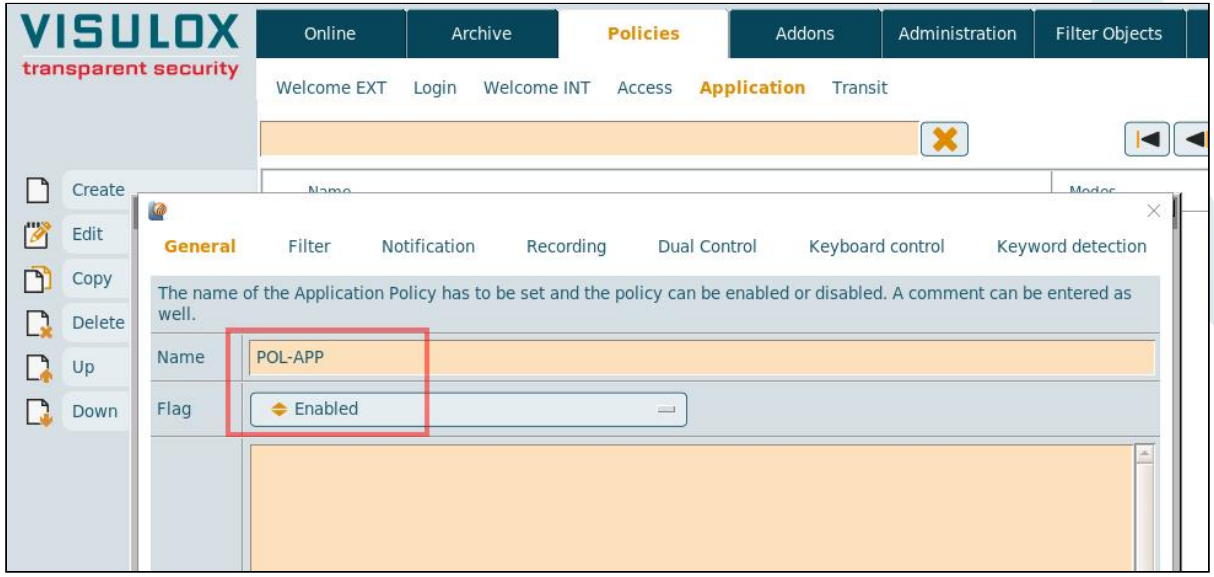
```
visulox portal attach

visulox start

visulox status
visulox integrity
```

5 Done / first steps

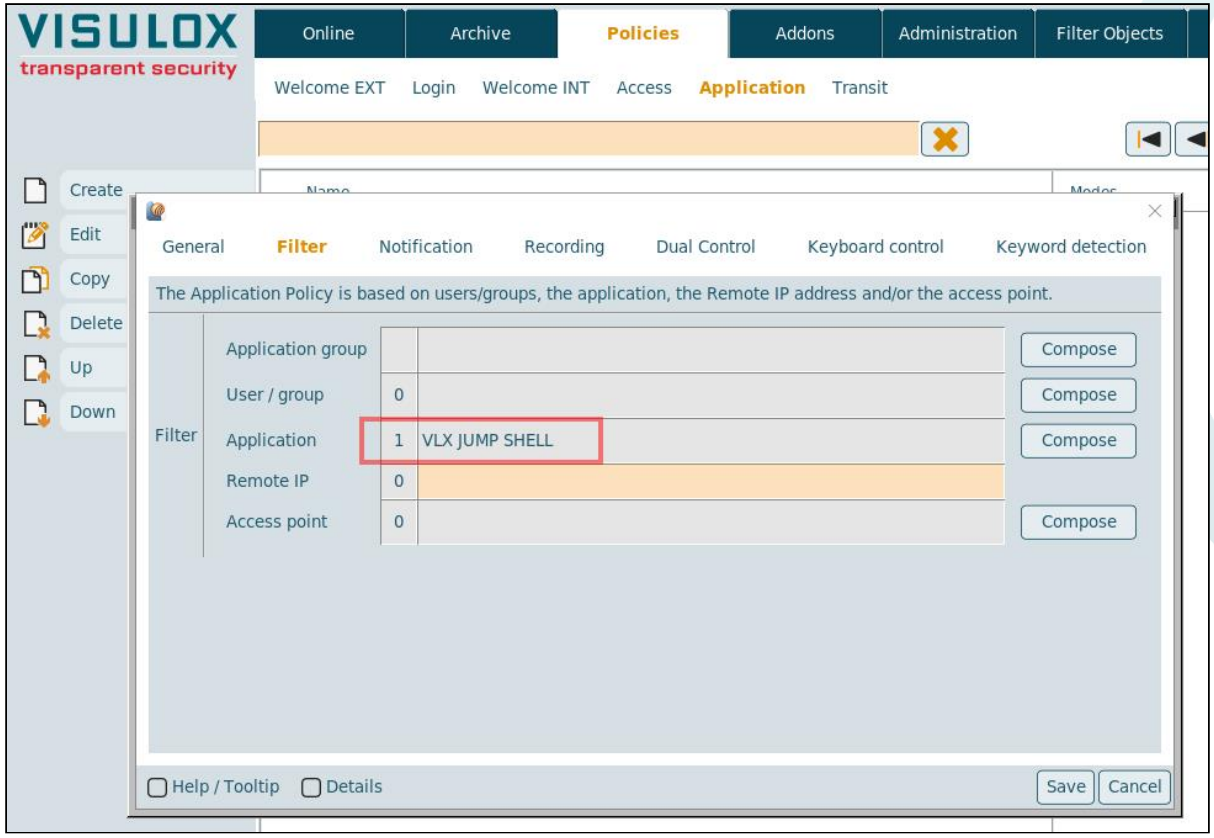
Login to your server (**https://*<full qualified domain name>***) as administrator with root password. Launch "**VLX Cockpit (all)**" from the Workspace.

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

Choose "**Create**" :

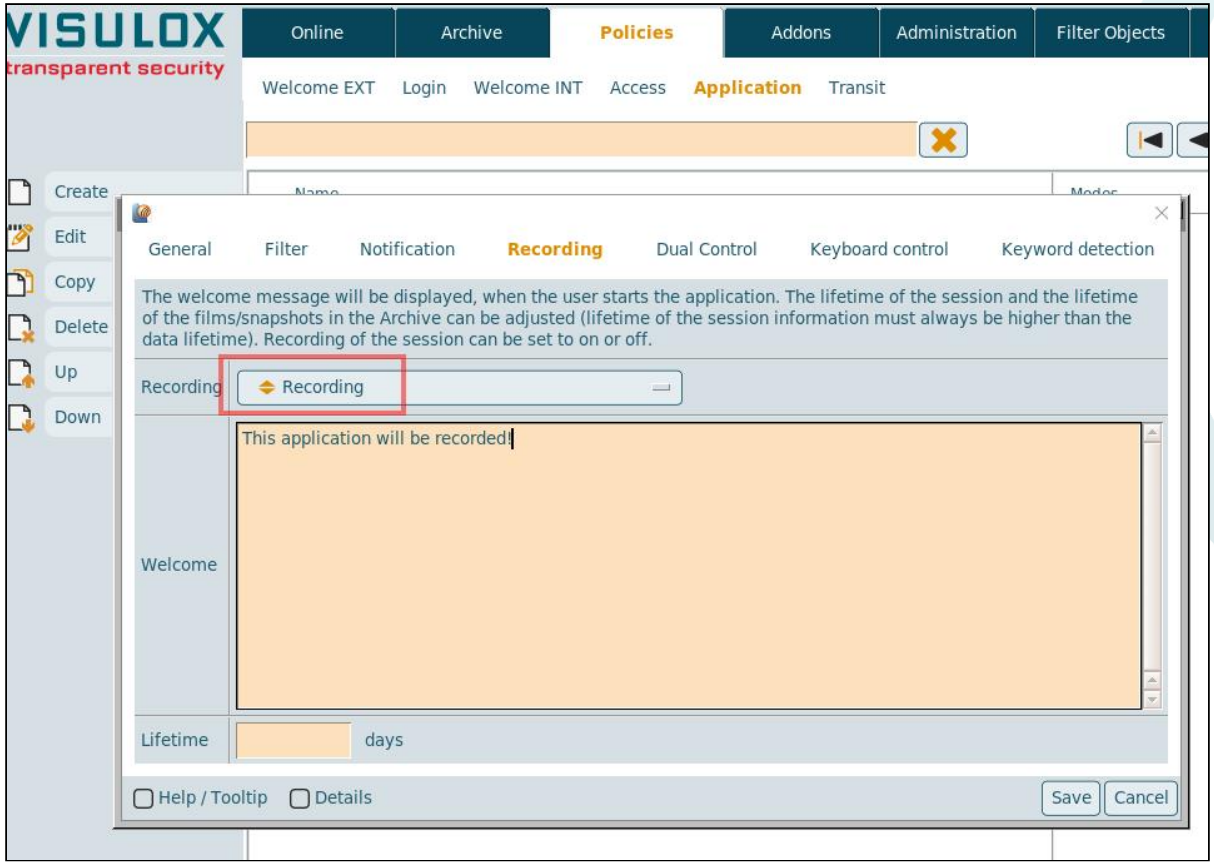


Change to the "**Filter**" tab and choose "**Compose**" for applications. Select "**VLX Jump Shell**" from the list and "**Add**". Then "**Save**":



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.