Upgrade procedure from 3.X to 4.0

REVISION HISTORY			
NUMBER	DATE	DESCRIPTION	NAME

Contents

Note

Due to possible incompatibilities with 3.X and 4.0, the re-installation of the packages as a part of the upgrading process between major versions is highly recommended.

Chapter 1

Backup

Upgrade the database schema keeping all the data and configuration is simple, but before doing the procedure is highly recommended to generate a backup in case something goes wrong. In order to generate the backup execute the following commands:

```
sudo su postgres
pg_dump qvd > /tmp/qvddb3.X.backup
exit
```

Note

Replace *qvd* from pg_dump command by your QVD database name if necessary

Chapter 2

Stop services

First of all, we need to stop all qvd running virtual machines and services

```
qa4 vm stop
service qvd-hkd stop
service qvd-api stop
```

Chapter 3

Delete current packages

```
sudo su
apt-get remove -y *qvd*
apt-get autoremove
```

Chapter 4

Packages installation

After that, install QVD 4.0 packages:

Community version

For community packages, please, use the following commands:

Ubuntu

```
echo "deb http://theqvd.com/packages/ubuntu-xenial QVD-4.0.4 main" > /etc/apt/sources.list. ←
    d/qvd4.0_repo.list
apt-get update -o Dir::Etc::sourcelist=sources.list.d/qvd4.0_repo.list -o Dir::Etc:: ←
    sourceparts="-" -o APT::Get::List-Cleanup="0"
apt-get install perl-qvd-hkd perl-qvd-api perl-qvd-admin perl-qvd-admin4 qvd-wat
```

SLES

```
zypper rr QVD
zypper ar http://theqvd.com/packages/sles/12SP1/QVD-4.0.4 QVD
zypper ref
sudo zypper install perl-QVD-HKD perl-QVD-API perl-QVD-Admin perl-QVD-Admin4 qvd-wat
```

Centos

```
yum-config-manager --add-repo http://theqvd.com/packages/centos/7.2/QVD-4.0.4/
sudo yum install perl-QVD-HKD perl-QVD-API perl-QVD-Admin perl-QVD-Admin4 qvd-wat
```

Commercial version

For commercial packages, please, use the following commands:

Ubuntu

```
echo "deb http://$USER:$PASSWORD@theqvd.com/commercial-packages/ubuntu/xenial QVD-4.0.4  ←
    main" > /etc/apt/sources.list.d/qvd4.0_repo.list
apt-get update -o Dir::Etc::sourcelist=sources.list.d/qvd4.0_repo.list -o Dir::Etc:: ←
    sourceparts="-" -o APT::Get::List-Cleanup="0"
apt-get install perl-qvd-hkd perl-qvd-api perl-qvd-admin perl-qvd-admin4 qvd-wat
```

SLES

```
zypper rr QVD
zypper ar http://theqvd.com/commercial-packages/sles/12SP1/QVD-4.0.4 QVD
zypper ref
 User Name: $USER
 Password: $PASSWORD
sudo zypper install perl-QVD-HKD perl-QVD-API perl-QVD-Admin perl-QVD-Admin4 qvd-wat
```

Centos

```
echo "[QVD-4.0.4]" > /etc/yum.repos.d/QVD-4.0.4.repo
echo "name=QVD-4.0.4" >> /etc/yum.repos.d/QVD-4.0.4.repo
echo "baseurl=http://$USER:$PASSWORD@theqvd.com/commercial-packages/centos/7.2/QVD-4.0.4/"  ←
    | sed 's/@\(.*@\)/%40\1/' >> /etc/yum.repos.d/QVD-4.0.4.repo
echo "enabled=1" >> /etc/yum.repos.d/QVD-4.0.4.repo
sudo yum install perl-QVD-HKD perl-QVD-API perl-QVD-Admin perl-QVD-Admin4 qvd-wat
```

Note

$USER and $PASSWORD are the credentials received when the suscription is purchased.

Chapter 5

Upgrade database

Finally update the database with 4.0.4 schema:

```
sudo su postgres
psql -d qvd -c "DELETE FROM versions WHERE component='schema'"
psql -d qvd -c "DELETE FROM session"
exit
/usr/lib/qvd/bin/perl /usr/lib/qvd/bin/qvd-deploy-db.pl --update-schema --update-from 3.6  ←
    --file /usr/lib/qvd/bin/qvd-init-data.dat
```

Note
Replace *qvd* from psql commands by your QVD database name if necessary

Chapter 6

Database rollback

If during the upgrade something went wrong, just reinstall QVD 3.X, and if the database achieved an invalid state you can recover it by executing:

```
cat /tmp/qvddb3.X.backup | psql dbname
```