2 Debian/Ubuntu

Overview

Make sure to read general information about upgrading first.

Upgrade procedure

1 Stop Zabbix processes

Stop Zabbix server to make sure that no new data is inserted into database.

```
# service zabbix-server stop
```

If upgrading Zabbix proxy, stop proxy too.

```
# service zabbix-proxy stop
```

It is known to be possible to upgrade the server only and have older, yet unupgraded proxies report data to a newer server (the proxies can’t refresh their configuration though). This approach, however, is not recommended and not supported by Zabbix and choosing it is entirely at your own risk.

2 Back up the existing Zabbix database

This is a very important step. Make sure that you have a backup of your database. It will help if the upgrade procedure fails (lack of disk space, power off, any unexpected problem).

3 Back up configuration files, PHP files and Zabbix binaries

Make a backup copy of Zabbix binaries, configuration files and the PHP file directory.

Configuration files:

```
# mkdir /opt/zabbix-backup/
# cp /etc/zabbix/zabbix_server.conf /opt/zabbix-backup/
# cp /etc/apache2/conf-enabled/zabbix.conf /opt/zabbix-backup/
```

PHP files and Zabbix binaries:

```
# cp -R /usr/share/zabbix/ /opt/zabbix-backup/
# cp -R /usr/share/doc/zabbix-* /opt/zabbix-backup/
```

4 Update repository configuration package
To proceed with the update your current repository package has to be uninstalled.

```
# rm -Rf /etc/apt/sources.list.d/zabbix.list
```

Then install the new repository configuration package.

On **Debian 9** run:

```
# wget https://repo.zabbix.com/zabbix/3.4/debian/pool/main/z/zabbix-release/zabbix-release_3.4-1+stretch_all.deb
# dpkg -i zabbix-release_3.4-1+stretch_all.deb
```

On **Debian 8** run:

```
# wget https://repo.zabbix.com/zabbix/3.4/debian/pool/main/z/zabbix-release/zabbix-release_3.4-1+jessie_all.deb
# dpkg -i zabbix-release_3.4-1+jessie_all.deb
```

On **Debian 7** run:

```
# wget https://repo.zabbix.com/zabbix/3.4/debian/pool/main/z/zabbix-release/zabbix-release_3.4-1+wheezy_all.deb
# dpkg -i zabbix-release_3.4-1+wheezy_all.deb
```

On **Ubuntu 18.04** run:

```
# wget https://repo.zabbix.com/zabbix/3.4/ubuntu/pool/main/z/zabbix-release/zabbix-release_3.4-1+bionic_all.deb
# dpkg -i zabbix-release_3.4-1+bionic_all.deb
```

On **Ubuntu 16.04** run:

```
# wget https://repo.zabbix.com/zabbix/3.4/ubuntu/pool/main/z/zabbix-release/zabbix-release_3.4-1+xenial_all.deb
# dpkg -i zabbix-release_3.4-1+xenial_all.deb
```

On **Ubuntu 14.04** run:

```
# wget https://repo.zabbix.com/zabbix/3.4/ubuntu/pool/main/z/zabbix-release/zabbix-release_3.4-1+trusty_all.deb
# dpkg -i zabbix-release_3.4-1+trusty_all.deb
```

Update the repository information.
# apt-get update

## 5 Upgrade Zabbix components

To upgrade Zabbix components you may run something like:

```
# apt-get install --only-upgrade zabbix-server-mysql zabbix-frontend-php zabbix-agent
```

If using PostgreSQL, substitute `mysql` with `pgsql` in the command. If upgrading the proxy, substitute `server` with `proxy` in the command.

## 6 Review component configuration parameters

See the upgrade notes for details on mandatory changes.

For new optional parameters, see the What's new section.

## 7 Start Zabbix processes

Start the updated Zabbix components.

```
# service zabbix-server start
# service zabbix-proxy start
# service zabbix-agent start
```

## 8 Clear web browser cookies and cache

After the upgrade you may need to clear web browser cookies and web browser cache for the Zabbix web interface to work properly.

### Upgrade between minor versions

It is possible to upgrade minor versions of 3.4.x (for example, from 3.4.1 to 3.4.3). It is easy.

To upgrade Zabbix minor version please run:

```
$ sudo apt install --only-upgrade 'zabbix.*'
```

To upgrade Zabbix server minor version please run:

```
$ sudo apt install --only-upgrade 'zabbix-server.*/'
```

To upgrade Zabbix agent minor version please run:
$ sudo apt install --only-upgrade 'zabbix-agent.\*'