



Upgrading third-party products

OnCommand Workflow Automation 5.0

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Upgrading third-party products

You can upgrade third-party products on Workflow Automation (WFA) such as JRE and MySQL in Linux.

Upgrade JRE on Linux

You can upgrade to a newer version of Java Runtime Environment (JRE) on the Linux server on which OnCommand Workflow Automation is installed to obtain fixes for security vulnerabilities.

What you'll need

You must have root privileges for the Linux system on which WFA is installed.



You can upgrade from one update of JRE 1.8 to a later update of JRE 1.8. You cannot upgrade to a later major release of JRE such as Java 9. For example, you cannot update from Java 8 update 144 (64 bit) to Java 8 update 151 (64 bit), or from Java 8 to Java 9.

Steps

1. Log in as a root user on the WFA host machine.
2. Download the appropriate version of Java (64-bit) to the target system.
3. Before upgrading the JRE, execute the following commands to list the encryption and license keys for WFA:

```
/opt/netapp/wfa/bin/wfa -K
```

This returns the encryption key, for example:

```
Key: oidMG6GbIuHjdZG30JgFng==
```

```
/opt/netapp/wfa/bin/wfa --license
```

This returns the license key, for example:

```
Key: MS8xLzIwOTkgMTE6NTkgUE0=
```

Save these keys as they are required for key reconfiguration during the JRE upgrade.

4. Stop the WFA services:

```
service wfa-server stop
```

5. Install the latest JRE on the system.
6. To upgrade the JRE, reconfigure the keys saved in Step 3 using the following commands:

```
/opt/netapp/wfa/bin/wfa --license=MS8xLzIwOTkgMTE6NTkgUE0=
```

```
/opt/netapp/wfa/bin/wfa -K=oidMG6GbIuHjdZG30JgFng==
```

7. Start the WFA services:

```
service wfa-server start
```

Upgrade MySQL on Linux

You can upgrade to a newer version of MySQL on the Linux server on which OnCommand Workflow Automation is installed to obtain fixes for security vulnerabilities.

What you'll need

You must have root privileges for the Linux system on which WFA is installed.



Before you reinstall WFA 4.2, you must delete the MySQL data directory if you have uninstalled MySQL.

About this task

You can only upgrade to minor updates of MySQL 5.7, for example, 5.7.1 to 5.7.2 . You cannot upgrade to major versions of MySQL, for example, version 5.8.

Steps

1. Log in as a root user on the WFA host machine.
2. Download the latest MySQL Community Server .rpm bundle on the target system.
3. Untar the bundle to a directory on the target system.
4. You will get multiple .rpm packages in the directory after untarring the bundle, but WFA only needs the following rpm packages:
 - mysql-community-client-5.7.x
 - mysql-community-libs-5.7.x
 - mysql-community-server-5.7.x
 - mysql-community-common-5.7.x
 - mysql-community-libs-compat-5.7.x

Delete all other .rpm packages. Installing all packages in an rpm bundle will not cause any problems.

5. At the shell prompt, stop the WFA database and server services:

```
service wfa-db stop
```

```
service wfa-server stop
```

6. Invoke the upgrade of MySQL by using the following command:

```
rpm -uvh *.rpm
```

*.rpm refers to the .rpm packages in the directory where you downloaded the newer version of MySQL.

7. Start the WFA services:

```
service wfa-db start
```

```
service wfa-server start
```

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