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Web Services and Applications Deployment Guide

Migration

10/26/2023

Migration

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Upgrading from standalone to embedded Jetty

Complete the steps below for each Web Services node.

Start

1. Stop Web Services on the node.
2. If you installed Jetty as service, disable the service to prevent auto start and potential port conflicts.
3. **Deploy the new version of Web Services.**
4. Copy settings from your existing **server-settings.yaml**, **onpremise-settings.yaml**, and **cassandra-cluster.yaml** configuration files to the `serverSettings`, `onPremiseSettings`, and `cassandraCluster` sections of the **application.yaml** configuration file. See [Configuring Web Services](#) for more information about this file.
5. Copy settings from your existing Jetty configuration files to the **jetty section** of the **application.yaml** configuration file.
6. Adjust the **logging section** of the **application.yaml** configuration file.
7. Copy the JMV options from your exiting Jetty initialization script to the `JAVA_OPTIONS` variable in the **/etc/default/gws** file.
8. Start the new version of Web Services on the node.

End

Upgrading Cassandra between 8.5.2.x versions

Complete the steps below on the node node where you have installed `cassandra-cli`:

Start

1. Make note of your current Web Services and Applications version and the version you're planning to upgrade.
2. Copy the **install CD/data** directory to the Cassandra node.
3. In the **data** directory, notice that there are text files, **cf-schema-<version>.txt**, for each version of Web Services and Applications. You'll need to run all the Cassandra upgrade scripts after your currently installed version until your upgrade version. For example, if your previous version was 8.5.200.64 and your current version is 8.5.200.96, you'll need the following scripts:
 - **cf-schema-8.5.200.66.txt**
 - **cf-schema-8.5.200.68.txt**
 - **cf-schema-8.5.200.81.txt**
 - **cf-schema-8.5.200.83.txt**
 - **cf-schema-8.5.200.90.txt**

4. For each **cf-schema-<version>.txt** file, run the following command to update the Cassandra schema:

```
cassandra_install_dir/bin/cassandra-cli -h cassandra_host --file cf-schema-<version>.txt
```

- *cassandra_install_dir* is where Cassandra is installed on the node.
- *cassandra_host* is the host name (FQDN) or IP of the Cassandra node.

End

[+] Migrating from 8.5.1 to 8.5.2

Migrating from 8.5.1 to 8.5.2

Start

1. Stop Jetty on all the Web Services nodes.
2. Update Cassandra with all **cf-schema-<version>.txt** files in the *install_CD/data* directory.
 - a. Copy the *install CD/data* directory to the Cassandra node host.

Important

You must run these scripts in order, beginning with **cf-schema-8.5.100.01.txt**.

- b. For each **cf-schema-<version>.txt** file, run the following command to update the Cassandra schema:

```
cassandra_install_dir/bin/cassandra-cli -h cassandra_host --file cf-schema-<version>.txt
```

- *cassandra_host* is the host name (FQDN) or IP of the Cassandra node
- For each Web Services node, complete the following steps:
 - a. Complete the [Deploying the web application](#) procedure.

Tip

Make a backup of your configuration folder (**\$JETTY_HOME/genconfig**) to use as a reference for setting configuration options.

- b. Review [Configuring Web Services](#) and its sub-topics and set the options required for your deployment. The following configuration options have been modified in the **\$JETTY_HOME/genconfig/server-settings.yaml** file in 8.5.1:

Option	Type of Change
activationTimeout	The default value changed from 1000 to 12000.
connectionTimeout	The default value changed from 400 to 4000.
cmeAuthenticationEnabled	Removed

- Complete **Starting and Testing**.

End