Web Services and Applications Migration Guide

Upgrading from 8.5.201.18 to 8.5.203.03

4/22/2025

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Use the following procedure to upgrade from 8.5.201.18.

1. Stop Web Services and Applications on the node.
2. Migrate to OpenJDK 8 according to Migrating to OpenJDK 1.8.0.
3. Backup your old installation and configuration files. You might need the files if you need to rollback your upgrade at a later date. Make sure to back up the following files if you configured the previous version as a service:
   - **/etc/init.d/gws**
   - **/etc/default/gws**
4. Remove the following service initialization scripts from the host:
   - **/etc/init.d/gws**
   - **/etc/default/gws**
5. Deploy the new version of Web Services and Applications.
6. Copy the following configuration files from the configuration folder in your previous installation into the **config** folder in the home directory of the new installation:
   - **application.yaml**
   - **elasticsearch.yml**
   - **hystrix.properties**
   - **logback.xml**
   - **statistics.yaml**
7. On the Red Hat Linux 6 platform, open the **/etc/default/gws** file and update the following environment variables to values appropriate for your Web Services and Applications node:
   - **GWS_HOST**: This value must match the **host** value defined in the **jetty** section of the **application.yaml** file.
   - **GWS_PORT**: This value must match **port** value defined in the **jetty** section of the **application.yaml** file.
8. Update the **application.yaml** file with the new path to the **logback.xml** file.
9. Adjust the **updateOnStartup** option in the **application.yaml**. See Web Services and Applications deployment update.
10. Update the Cassandra schema:
    - If you are using Cassandra 2.x:
      - Copy the `cf-schema-8.5.201.84.cql` file from `/installation_path/gws/data/updates` to the Cassandra node host.
      - Run the following command:

        ```
        cqlsh cassandra_host --file cf-schema-8.5.201.84.cql
        ```

- Copy the `cf-schema-8.5.202.34.cql` file from `/installation_path/gws/data/updates` to the Cassandra node host.
- Run the following command:

```
cqlsh cassandra_host --file cf-schema-8.5.202.34.cql
```

- Copy the `cf-schema-8.5.202.81.cql` file from /installation_path/gws/data/updates to the Cassandra node host.
- Run the following command:

```
cqlsh cassandra_host --file cf-schema-8.5.202.81.cql
```

- If you are using Cassandra 1.2:
  - Copy the `cf-schema-8.5.201.84.txt` file from `/installation_path/gws/data/updates` to the Cassandra node host.
  - Run the following command:

```
cassandra_install_dir/bin/cassandra-cli -h cassandra_host --file cf-
schema-8.5.201.84.txt
```

  - Copy the `cf-schema-8.5.202.34.txt` file from `/installation_path/gws/data/updates` to the Cassandra node host.
  - Run the following command:

```
cassandra_install_dir/bin/cassandra-cli -h cassandra_host --file cf-
schema-8.5.202.34.txt
```

  - Copy the `cf-schema-8.5.202.81.txt` file from /installation_path/gws/data/updates to the Cassandra node host.
  - Run the following command:

```
cassandra_install_dir/bin/cassandra-cli -h cassandra_host --file cf-
schema-8.5.202.81.txt
```

11. Start Web Services and Applications according to Starting and testing.
12. After all Web Services and Applications nodes are upgraded and started, update Elasticsearch:
    - If you use embedded Elasticsearch, run the following script on *one* Web Services and Applications node:

```
/installation_path/gws/tools/rebuild-es-index.sh
```

    - If you use standalone Elasticsearch:
      - Copy files from the `/installation_path/gws/elasticsearch/templates` folder to the templates folder on each Elasticsearch node.
      - Run the following script on *one* Web Services and Applications node:

```
/installation_path/gws/tools/rebuild-es-index.sh
```