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Web Services and Applications Migration Guide

Upgrading from 8.5.201.18 to 8.5.203.03

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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
```