Operations Bridge Analytics

Software Version: 3.03

Upgrade Guide

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Upgrade

> **Note:** Upgrading from OBA 3.00/3.01 to 3.03 is not supported. You must first upgrade older systems to OBA 3.02 as described in the OBA 3.02 Installation Guide, and then upgrade 3.02 to 3.03.

To upgrade from an existing OBA 3.02 installation to OBA 3.03, do the following:

1. **Prepare the upgrade**.

   With the upgrade to OBA 3.03, database changes are required. To minimize the downtime, a temporary table is created and the data is migrated.

   a. Make sure that all OBA processes are running.

   b. Copy the OBA installation files to the OBA application servers and collectors.

   c. Extract the installation file `HPE_OpsA_3.03_Analytics_Installation.zip` to *<tmp>*. *<tmp>* can be any directory you choose.

   d. As the root user, execute the following commands on the OBA application server host:

      > **Note:** If you have multiple OBA application servers, choose one for the database preparation. The database preparation must be done only once.

      ```
      cd <tmp>/Analytics_Installation

      ./upgrade_oba302_to_oba303.sh -h <DATABASE_HOST_NAME> -p 5433 \
              -u dbadmin -w <DATABASE_PASSWORD> -n opsadb prepare
      ```

      Wait until the script execution has finished.

2. **Shut down all processes**.

   > **Note:** With the following steps, the OBA downtime starts.

   a. As the root user, shut down all OBA processes on every OBA application server and collector:

      ```
      /opt/HP/opsa/bin/opsa stop
      ```

   b. Verify that the processes were successfully stopped by running the following command:

      ```
      /opt/HP/opsa/bin/opsa status
      ```

Continue when all processes are shown as stopped. You may need to use the `kill` command, or even `kill -9`, to ensure all opsa processes have fully exited.

> **Note:** Vertica must be up and running for the next upgrade steps.

3. **Upgrade to OBA 3.03**.

    a. As the root user, execute the following commands on all OBA application servers:

    ```
    cd <tmp>/Analytics_Installation

    ./upgrade_oba302_to_oba303.sh -h <DATABASE_HOST_NAME> -p 5433 \
            -u dbadmin -w <DATABASE_PASSWORD> -n opsadb upgrade
    ```

    b. As the root user, execute the following commands on all OBA collectors:

    ```
    cd <tmp>/Analytics_Installation

    ./upgrade_oba302_to_oba303.sh -h <DATABASE_HOST_NAME> -p 5433 \
            -u dbadmin -w <DATABASE_PASSWORD> -n opsadb upgrade
    ```

4. **Complete the upgrade**.

> **Note:** With the following steps, the OBA downtime ends.

    a. As the root user, restart all OBA processes on every OBA application server and collector:

    ```
    /opt/HP/opsa/bin/opsa start
    ```

    b. Verify that the processes were successfully started by running the following command:

    ```
    /opt/HP/opsa/bin/opsa status
    ```

    Continue when all processes are shown as running.

5. **Resubmit the Storm Topology**.

    Due to improvements in OBA 3.03 and to ensure product reliability, you have to resubmit the Storm Topology.

    As the opsa user, execute the following command on the OBA application server. If you have multiple OBA application servers, resubmit the topology on only one of the servers:

    ```
    cd /opt/HP/opsa

    scripts/opsa-log-analytics-kill-topology.sh
    scripts/opsa-log-analytics-submit-topology.sh
    scripts/opsa-post-persist-processing-kill-topology.sh
    scripts/opsa-post-persist-processing-submit-topology.sh
    ```

```
scripts/opsa-data-ingestion-lane-kill-topology.sh
scripts/opsa-data-ingestion-lane-submit-topology.sh
```

6. **Validate the upgrade**.

   Ensure that the OBA collections are all working and that the functionality inside the OBA UI works as expected. If you experience any issues with OBA 3.03, contact Micro Focus support.

7. **Perform the upgrade clean-up**.

   Important: Once you execute the clean-up, you can no longer roll back to 3.02.

   After you validated everything and the system is running fine, clean up the temporary database tables which were created as part of the preparation. As the root user, execute the following commands on an OBA application server:

   cd *<tmp>*/Analytics_Installation

   ./upgrade_oba302_to_oba303.sh -h <DATABASE_HOST_NAME> -p 5433 \
           -u dbadmin -w <DATABASE_PASSWORD> -n opsadb cleanup

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