Upgrading Multiple Secure Agents on the Same Linux Server to Secure Agent Version 33.0

Abstract

This document describes the steps you need to take to upgrade to Secure Agent version 33.0 when you have multiple Secure Agents on a single Linux Server.

Supported Versions

- Informatica Cloud Application Integration April 2017

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Overview

Informatica will upgrade Cloud Application customers who run Secure Agent version 30.0 and earlier to Secure Agent version 33.0 in April, 2017.

The automatic upgrade will happen with the Spring 2017 release of Informatica Cloud Services in the following phases:

- Customers that Informatica hosts on APP1: On 15 April, 2017.
- Customers that Informatica hosts on APP2 and APP3: On 22 April, 2017.

Multiple Secure Agents on the Same Linux Server

If you have multiple Secure Agents on the same Linux server, the automatic upgrade to Secure Agent version 33.0 works for the first Secure Agent.

For all subsequent Secure Agents, the automatic upgrade fails because of port conflicts. To upgrade the second and subsequent Secure Agents, you need to perform some manual steps.

Upgrading the Second and Subsequent Agents

If you see errors when you perform the following steps, see the *Troubleshooting* section of *Spring 2017: Early Migration Guide: Secure Agent Version 30.0 And Later* at https://network.informatica.com/docs/DOC-17175

1. Shut down the Secure Agent.
2. Go to `<Secure Agent installation directory>/apps/process-engine/data/PostGreSql/Data` and create a `user.conf` file.
3. Open the `user.conf` file in a text editor and enter the following information:

   ```
   port=<port number>
   ```

   Verify that you enter a valid and available port number.
4. Save and close the `user.conf` file.

5. Go to `<Secure Agent installation directory>/apps/process-engine/data/db/util` and edit the following files to include the `<port number>` you entered in step 3.

   a. In the `server_status.sh` file,

      Change:

      ```
      "${PG_DB_BINARIES}/postgresql-linux-x64-binaries/pgsql/bin/pg_isready"
      ```

      to

      ```
      "${PG_DB_BINARIES}/postgresql-linux-x64-binaries/pgsql/bin/pg_isready" --port=<port
      number>
      ```

   b. In the `db_backup.sh` file,

      Change:

      ```
      "${PG_DB_BINARIES}/postgresql-linux-x64-binaries/pgsql/bin/pg_dump" --username=
      $PGDBUSERNAME --no-password --exclude-table=aesystemlog --exclude-
      table=aeprocesslogdata --exclude-table=aeactivitydurationview --exclude-
      table=aeimaresponsedurationview --format=custom activevos > $3
      ```

      to

      ```
      "${PG_DB_BINARIES}/postgresql-linux-x64-binaries/pgsql/bin/pg_dump" --port=<port
      number> --username=$PGDBUSERNAME --no-password --exclude-table=aesystemlog --exclude-
      table=aeprocesslogdata --exclude-table=aeactivitydurationview --exclude-
      table=aeimaresponsedurationview --format=custom activevos > $3
      ```

   c. In the `db_restore.sh` file,

      Change:

      ```
      "${PG_DB_BINARIES}/postgresql-linux-x64-binaries/pgsql/bin/dropdb" --if-exists --
      username=$PGDBUSERNAME activevos
      ```

      to

      ```
      "${PG_DB_BINARIES}/postgresql-linux-x64-binaries/pgsql/bin/dropdb" --port=<port
      number> --if-exists --username=$PGDBUSERNAME activevos
      ```

      Change:

      ```
      "${PG_DB_BINARIES}/postgresql-linux-x64-binaries/pgsql/bin/pg_restore" --username=
      $PGDBUSERNAME --no-password --create --dbname=postgres $3
      ```

      to

      ```
      "${PG_DB_BINARIES}/postgresql-linux-x64-binaries/pgsql/bin/pg_restore" --port=<port
      number> --username=$PGDBUSERNAME --no-password --create --dbname=postgres $3
      ```

      Change:

      ```
      "${PG_DB_BINARIES}/postgresql-linux-x64-binaries/pgsql/bin/psql" --username=
      $PGDBUSERNAME -no-password --dbname=activevos --file=./sql/restore_tables.sql
      ```

      to

      ```
      "${PG_DB_BINARIES}/postgresql-linux-x64-binaries/pgsql/bin/psql" --port=<port
      number> --username=$PGDBUSERNAME -no-password --dbname=activevos --file=./sql/
      restore_tables.sql
      ```

   d. In the `db_maintenance.sh` file,

      Change:

      ```
      "${PG_DB_BINARIES}/postgresql-linux-x64-binaries/pgsql/bin/reindexdb" --verbose --no-
      password --username=$PGDBUSERNAME --dbname=activevos $TABLES
      ```

      to

      ```
      "${PG_DB_BINARIES}/postgresql-linux-x64-binaries/pgsql/bin/reindexdb" --port=<port
      number> --verbose --no-password --username=$PGDBUSERNAME --dbname=activevos $TABLES
      ```

Change:

```
"${PG_DB_BINARIES}/postgresql-linux-x64-binaries/pgsql/bin/reindexdb" --all --
verbose --no-password --username=$PGDBUSERNAME
```

to

```
"${PG_DB_BINARIES}/postgresql-linux-x64-binaries/pgsql/bin/reindexdb" --port=<port
number> --all --verbose --no-password --username=$PGDBUSERNAME
```

Change:

```
"${PG_DB_BINARIES}/postgresql-linux-x64-binaries/pgsql/bin/vacuumdb" --no-password --
full --verbose --analyze --username=$PGDBUSERNAME --dbname=activevos $TABLES
```

to

```
"${PG_DB_BINARIES}/postgresql-linux-x64-binaries/pgsql/bin/vacuumdb" --port=<port
number> --no-password --full --verbose --analyze --username=$PGDBUSERNAME --
dbname=activevos $TABLES
```

Change:

```
"${PG_DB_BINARIES}/postgresql-linux-x64-binaries/pgsql/bin/vacuumdb" --all --no-
password --full --verbose --analyze --username=$PGDBUSERNAME
```

to

```
"${PG_DB_BINARIES}/postgresql-linux-x64-binaries/pgsql/bin/vacuumdb" --port=<port
number> --all --no-password --full --verbose --analyze --username=$PGDBUSERNAME
```

Verify that `<port number>` is the port number that you entered in step 3.

6. Save and close the `server_status.sh`, `db_backup.sh` , `db_restore.sh`, and `db_maintenance.sh` files.
7. Go to `<Secure Agent Installation Directory>/apps/process-engine/<version>/bin`, open the `upgrade.sh` file, and add the following code:

   ```
   export PGPORT=<port number>
   ```

   Verify that `<port number>` is the port number that you entered in step 3.
8. Go to `<Secure Agent Installation Directory>/apps/process-engine/<version>/conf`, open the `database.properties` file, and make the following change:

   Change:

   ```
   to.db.url = jdbc:postgresql://localhost:5432/activevos
   ```

   to

   ```
   to.db.url = jdbc:postgresql://localhost:<port number>/activevos
   ```

   Verify that `<port number>` is the port number that you entered in step 3.
9. Go to **Informatica Cloud** > **Configure** > **Runtime Environments**.
10. Select the second Secure Agent and click **Edit**.
11. Under **System Configuration Details** change the port numbers in **shutdown-port**, **http-port**, and **https-port**.

    Verify that you enter valid and available port numbers.
12. Under **System Configuration Details** change the port number in the **DB** property, **URL**, to the port number that you entered step 3.
13. Click **OK**.
14. Restart the Secure Agent.

    You have successfully migrated the second Secure Agent to version 33.0

Repeat steps 1 to 14 for all subsequent Secure Agents.

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