

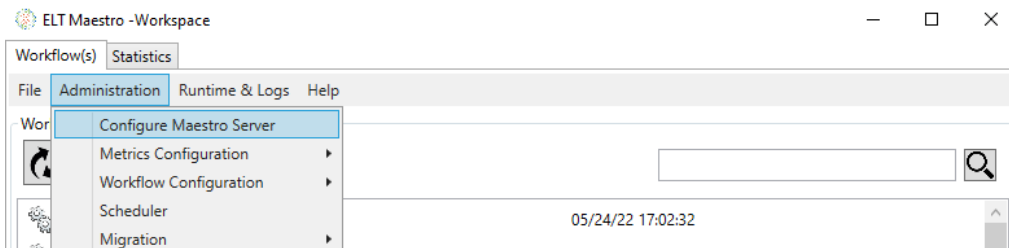
F Configuring ELT Maestro for Firebolt

Requirements

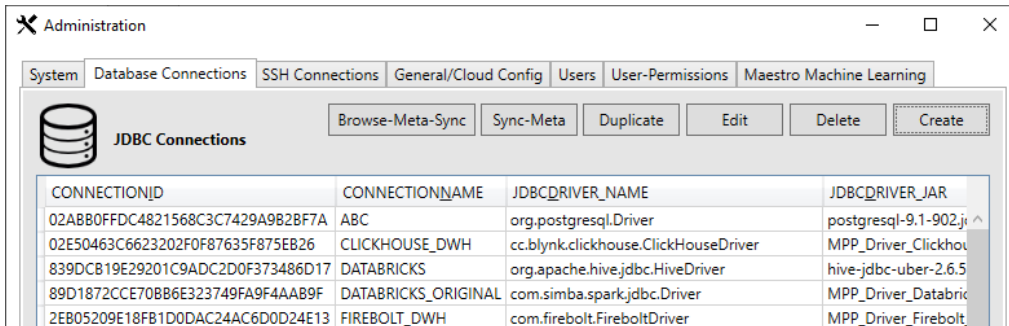
- Firebolt Connection String, Credentials & Default Engine Names / Databases
- AWS S3 Secret and Access Keys
- SSH Access to ELT Maestro Server

ELT Maestro Client Firebolt Connection

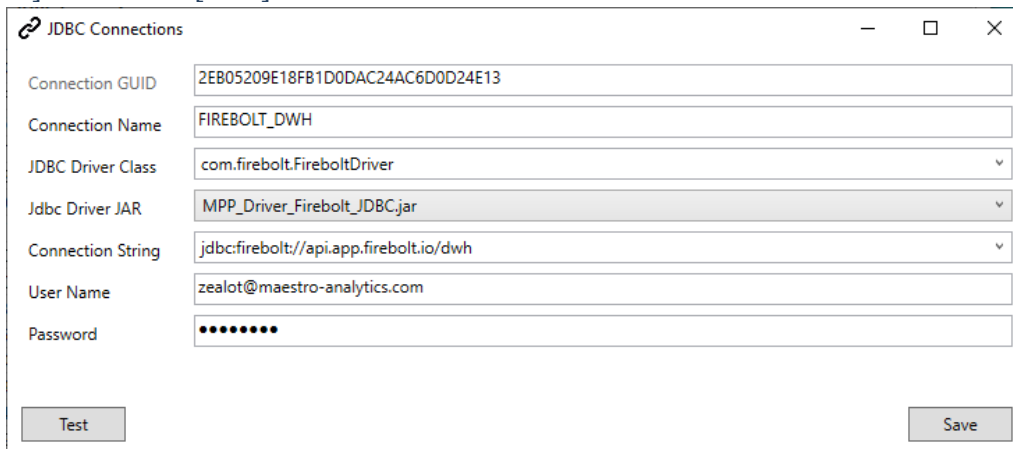
- Open ELT Maestro Windows Client
- Click [Administration] -> [Configure Maestro Server]



- Click [Database Connections Tab]



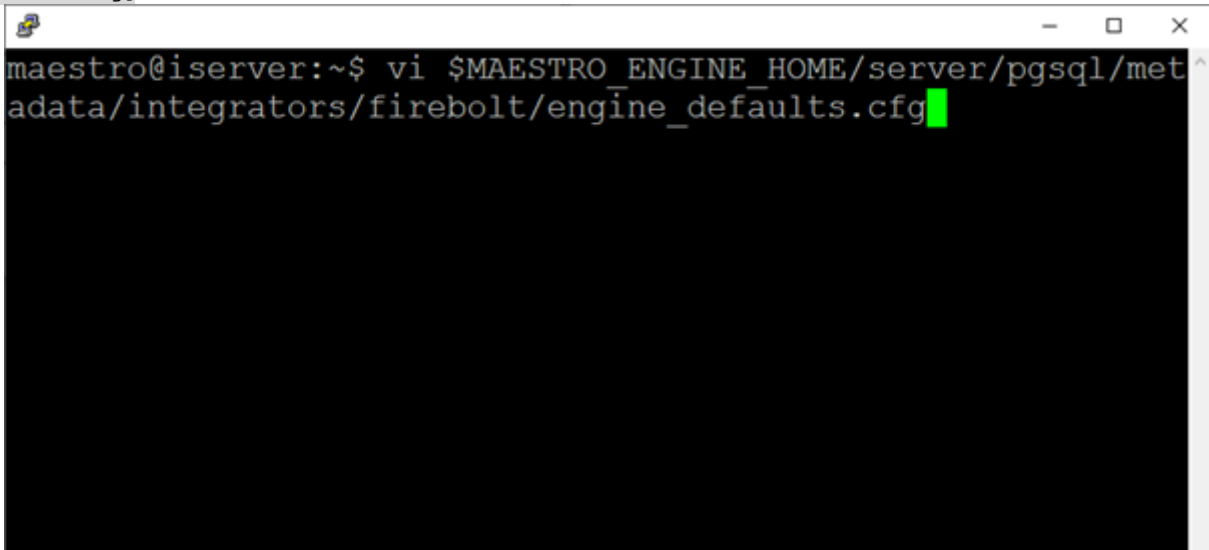
- Click [Create], then enter [jdbc driver class & jar] as shown below, enter [connection string and credentials]. Then Click [Save]



Note: To test connection, select the connection name, Click [Edit], then Click [Test] after you have saved connection.

ELT Maestro Server [engine_defaults.cfg] configuration file

- SSH Login into ELT Maestro linux server as user maestro & load environment file `~/ .env_integrator`
- Edit file
`[$MAESTRO_ENGINE_HOME/server/pgsql/metadata/integrators/firebolt/engine_defaults.cfg]`



```
maestro@iserver:~$ vi $MAESTRO_ENGINE_HOME/server/pgsql/metadata/integrators/firebolt/engine_defaults.cfg
```

- Modify database name and default engine name, save file, and exit editor



```
dwh:dwh_general_purpose ← [database]:[engine]
timeout_seconds:900
delay_seconds:30
~
~
~
~
~
~
~
~
-- INSERT -- 3,17 All
```

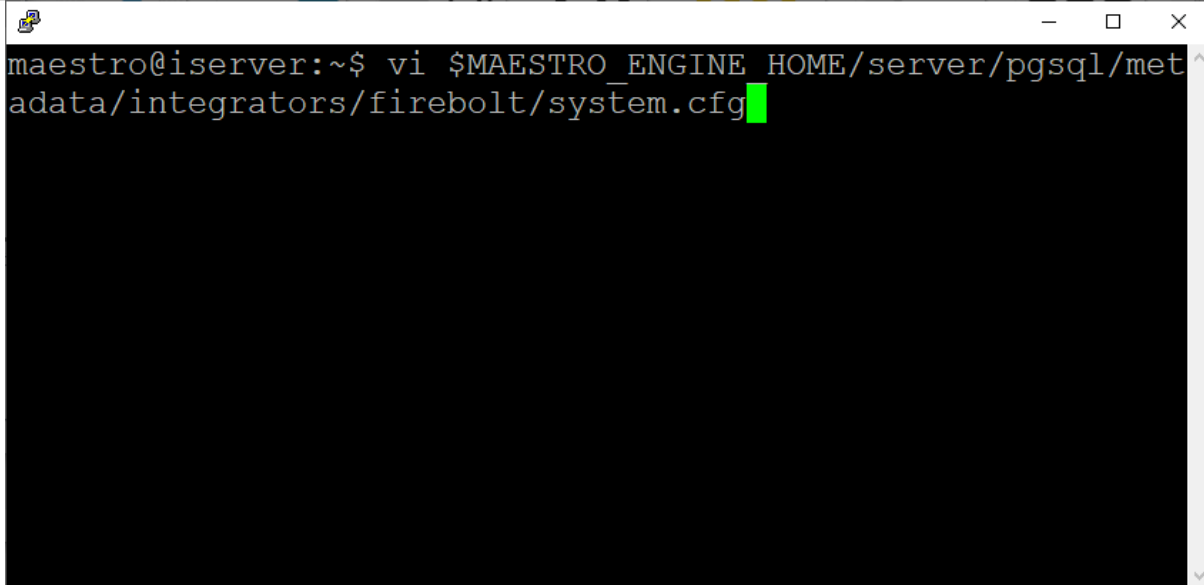
Note:

- timeout_seconds is maximum wait time for ELT Maestro to start engine when workflow is running
- delay_seconds is sleep time between attempts to start engine

ELT Maestro Server [system.cfg] configuration file

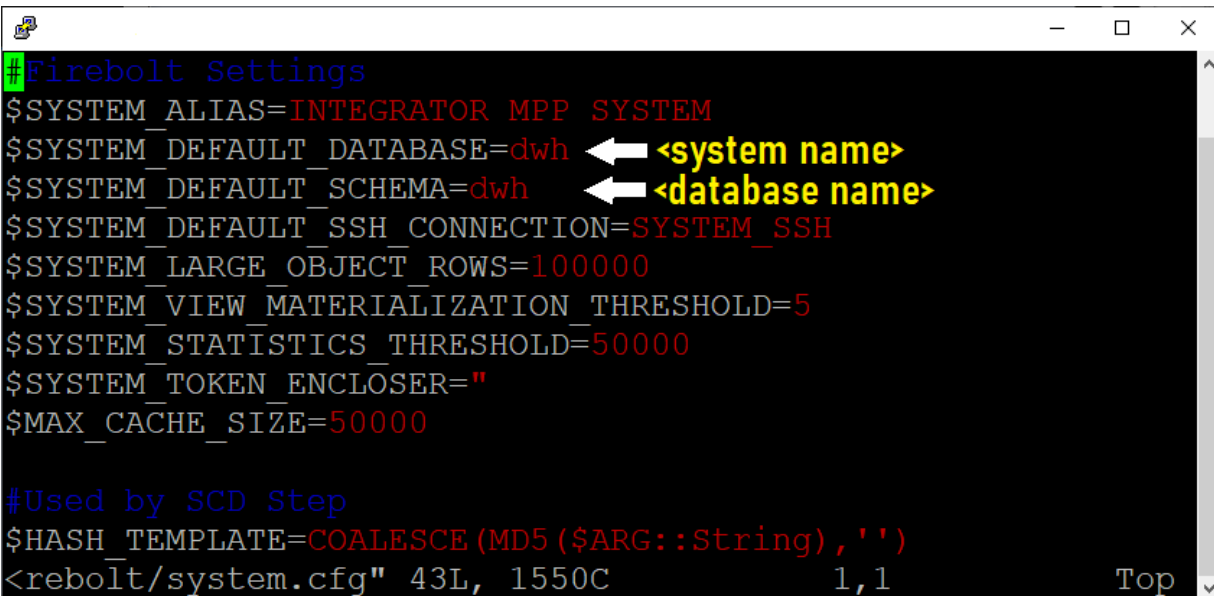
- SSH Login into ELT Maestro linux server as user maestro & load environment file `~/env_integrator`
- Edit file

[`$MAESTRO_ENGINE_HOME/server/pgsql/metadata/integrators/firebolt/system.cfg`]



```
maestro@iserver:~$ vi $MAESTRO_ENGINE_HOME/server/pgsql/metadata/integrators/firebolt/system.cfg
```

- Modify database name and schema name, save file, and exit editor



```
#Firebolt Settings
$SYSTEM_ALIAS=INTEGRATOR MPP SYSTEM
$SYSTEM_DEFAULT_DATABASE=dwh ← <system name>
$SYSTEM_DEFAULT_SCHEMA=dwh ← <database name>
$SYSTEM_DEFAULT_SSH_CONNECTION=SYSTEM_SSH
$SYSTEM_LARGE_OBJECT_ROWS=100000
$SYSTEM_VIEW_MATERIALIZATION_THRESHOLD=5
$SYSTEM_STATISTICS_THRESHOLD=50000
$SYSTEM_TOKEN_ENCLOSER=""
$MAX_CACHE_SIZE=50000

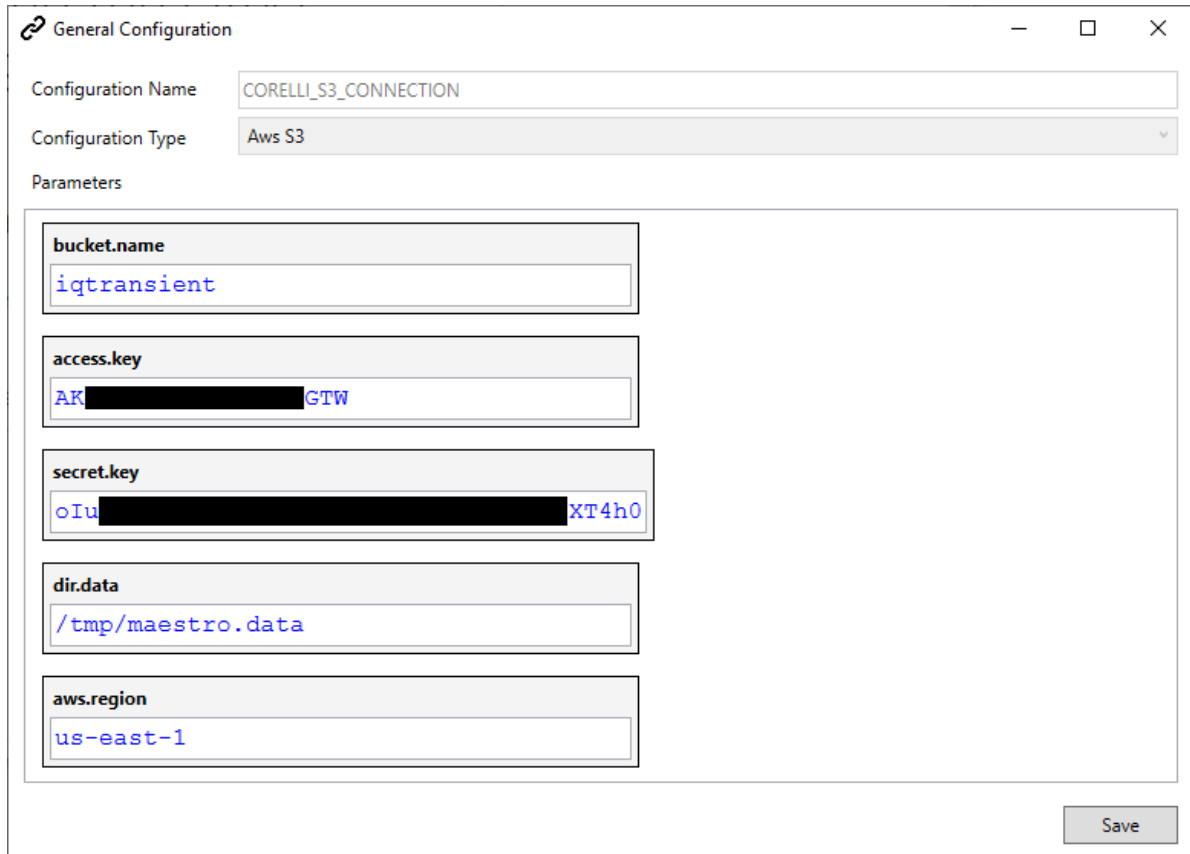
#Used by SCD Step
$HASH_TEMPLATE=COALESCE(MD5($ARG::String),'')
<rebolt/system.cfg" 43L, 1550C 1,1 Top
```

Note:

- Value for `$SYSTEM_DEFAULT_DATABASE` is not enforced; you can use system name here.
- Value for `$SYSTEM_DEFAULT_SCHEMA` is enforced; use the database name here.

AWS Cli & S3 Connection

- SSH Login into ELT Maestro Linux server as user maestro and install/configure aws cli package as described on <https://docs.aws.amazon.com/cli/latest/userguide/getting-started-install.html>
- Using ELT Maestro Client create a new cloud connection with name CORELLI_S3_CONNECTION with S3 access and secret keys. Click [Administration] -> [Configure Maestro Server] -> [General / Cloud Config] -> [Create] -> [Configuration Type: Aws S3] -> Input bucket name & keys -> [Save]



General Configuration

Configuration Name: CORELLI_S3_CONNECTION

Configuration Type: Aws S3

Parameters

bucket.name: iqttransient

access.key: AK[REDACTED]GTW

secret.key: oIu[REDACTED]XT4h0

dir.data: /tmp/maestro.data

aws.region: us-east-1

Save

Note: AWS S3 connection with name “CORELLI_S3_CONNECTION” must exist. This connection is used by ELT Maestro engine to stage data in S3 bucket.

Support

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