

GTAS ETL Jobs and ETL Scheduler Deployment Guide (Linux)

1. Required tools

- Java 1.8
- Pentaho Data Integration tool (See separate installation guide)
- Elasticsearch and Kibana should be up and running (for the report ETL)

2. Create Local ETL Environment

- a. Create your local ETL parent directory **gtas-etl** in the root directory (/)

Note: Although the ETL jobs and scheduler can be installed under any directory, the following instruction show the installations under the root directory (/). If you choose to create this parent directory at a different location, make sure that you review and update the properties file listed in the next section.

- b. Pull the latest from the GTAS GitHub repository. Go to the **gtas-etl-main** directory and copy ETL and configuration files with their directories to your local ETL parent directory, **gtas-etl**

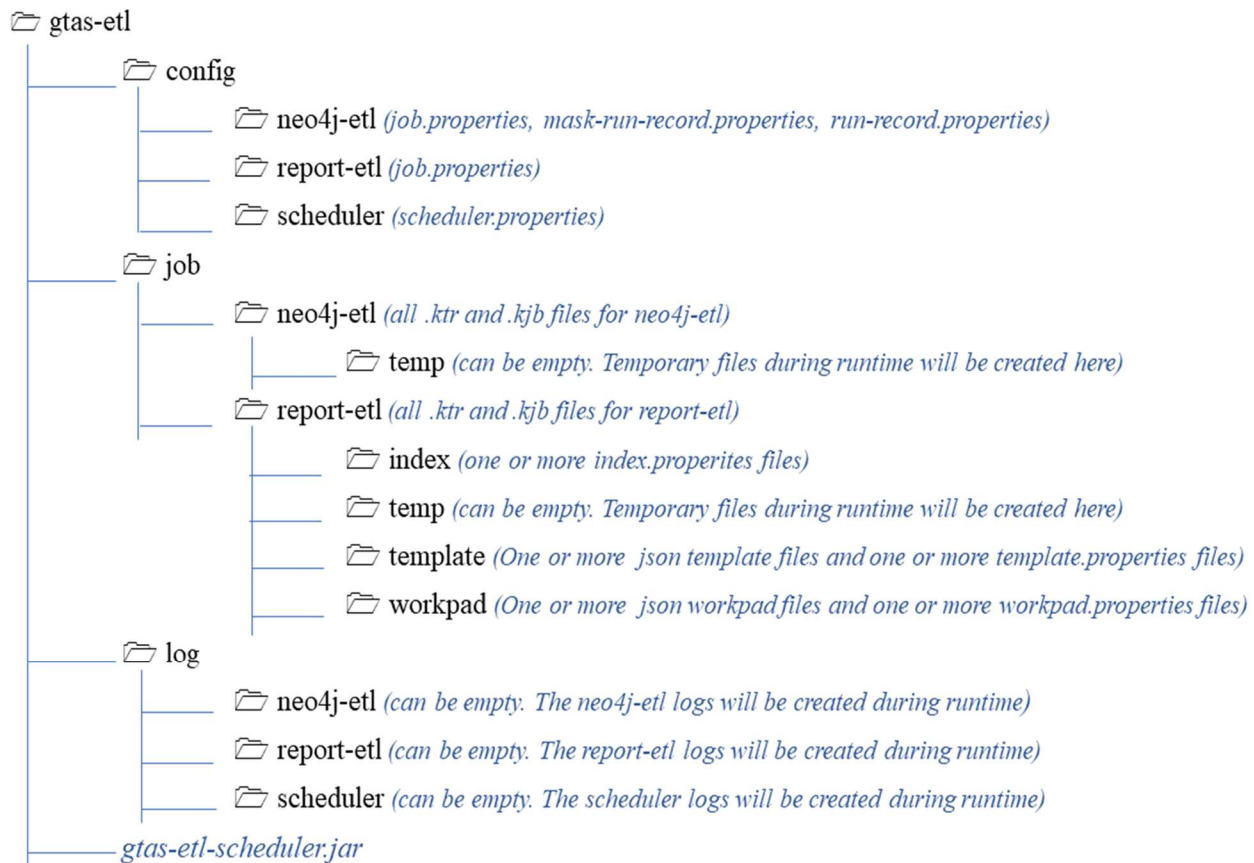
Copy from	Copy to
GTAS/gtas-etl-main/ (all files and directories)	/gtas-etl/

- c. Go to the GTAS/gtas-etl-scheduler project and build it as follows:

- `mvn clean install`

After a successful build, copy the **gtas-etl-scheduler.jar** file from **GTAS/gtas-etl-scheduler/target** to your ETL parent directory **/gtas-etl**

- d. Verify that your local ETL environment looks as follows:



3. Update Property Files

Note: If you did not create `gtas-etl` in the root directory (`/`), please review each property file carefully. In addition to the following properties, you will have to update properties with values pointing to a file or a directory structure.

a. **`/gtas-etl/config/scheduler/scheduler.properties`**

- No update is required

b. **`/gtas-etl/config/neo4j-etl/job.properties`**

- `EXT_VAR_GTAS_DB_USER_NAME`
- `EXT_VAR_GTAS_DB_PASSWORD`
- `EXT_VAR_NEO4J_DB_USER_NAME`
- `EXT_VAR_NEO4J_DB_PASSWORD`

c. **`/gtas-etl/config/report-etl/job.properties`**

- `EXT_VAR_GTAS_DB_USER_NAME`
- `EXT_VAR_GTAS_DB_PASSWORD`
- `EXT_VAR_JAVA_TRUST_STORE`
- `EXT_VAR_JAVA_TRUST_STORE_PASSWORD`
- `EXT_VAR_ELSEARCH_USERNAME`
- `EXT_VAR_ELSEARCH_PASSWORD`
- `EXT_VAR_KIBANA_USERNAME`
- `EXT_VAR_KIBANA_PASSWORD`

4. Launch the `gtas-etl-scheduler`

a. Start the scheduler as follows

- `java -jar gtas-etl-scheduler.jar`