

DBT Artifacts Extraction Prerequisites

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1. Introduction

LeapLogic Assessment profiles DBT artifacts and identifies existing inventory, calculates complexity, identifies data and process lineage, and provides comprehensive recommendations for migration to modern data platform.

2. Exporting from Local DBT

Please follow the below steps to start exporting your artifacts from your local DBT.

2.1 Generate JSONs

First, you need to generate two JSON files namely catalog.json and manifest.json. These JSON files serve the purpose of gathering essential information from the target system, including database names, schema names, tables, and more. To generate the catalog and manifest JSON files in the designated folder, execute the following command.

```
$ dbt docs generate --project-dir /home/impadmin/snf_sample --target-path /home/impadmin/tmp
```

where:

- --project-dir: The DBT project for which you wish to generate catalog and manifest JSON files.
- --target-path: The location where you intend to store the generated files.

2.2 Copy DBT Models (SQL files)

The DBT project's 'models' folder comprises of all SQL files utilized for data building. Copy the project-specific models to separate directories as needed. For example, see the below command.

```
cp -r /home/user1/snf_sample/models /home/user/tmp/snf_sample_models
```

3. Exporting from Cloud DBT

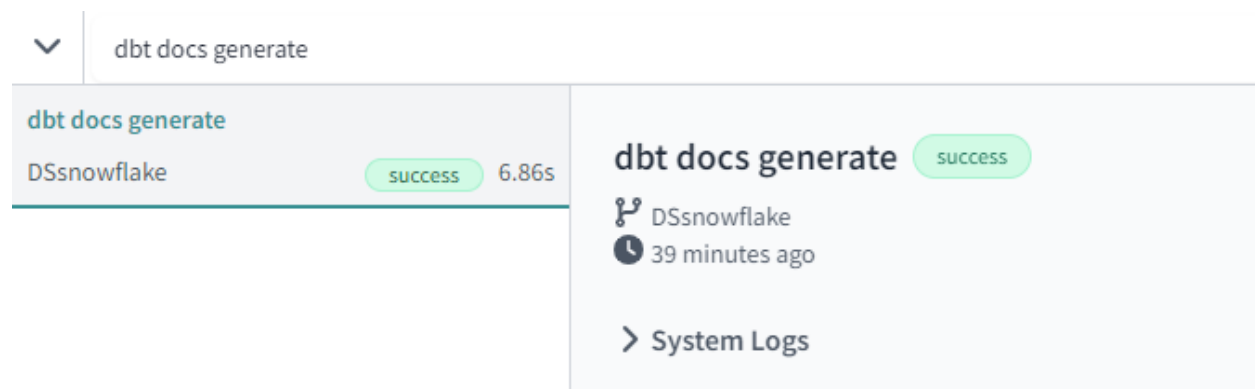
Please follow the below steps to start exporting your artifacts from your cloud DBT.

3.1. Generate JSONs

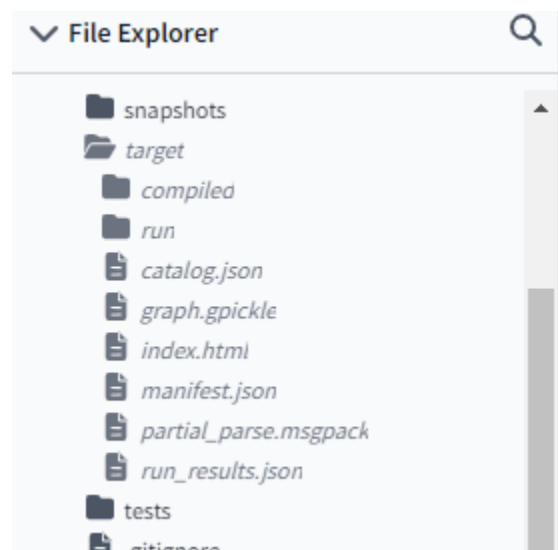
First, you need to generate two JSON files namely catalog.json and manifest.json. To generate catalog and manifest JSON files in the target folder on cloud-based DBT, execute the following command.

```
dbt docs generate
```

For example:



Upon execution of this command, it will generate JSON files and place them in the target folder within the current project directory.



Commit the changes and initiate a pull request. Afterwards, copy the catalog and manifest JSON files from the GitHub or GitLab repository associated with the DBT project.

```
(base) impadmin@impetus-b0150u:~/snf_sample$ ls -ltr
total 44
-rw-rw-r-- 1 impadmin impadmin 571 Jul 19 08:46 README.md
drwxrwxr-x 2 impadmin impadmin 4096 Jul 19 08:46 tests
drwxrwxr-x 2 impadmin impadmin 4096 Jul 19 08:46 snapshots
drwxrwxr-x 2 impadmin impadmin 4096 Jul 19 08:46 seeds
drwxrwxr-x 3 impadmin impadmin 4096 Jul 19 08:46 models
drwxrwxr-x 2 impadmin impadmin 4096 Jul 19 08:46 macros
drwxrwxr-x 2 impadmin impadmin 4096 Jul 19 08:46 analyses
-rw-rw-r-- 1 impadmin impadmin 1262 Jul 19 08:51 dbt_project.yml
drwxrwxr-x 2 impadmin impadmin 4096 Jul 19 08:52 logs
drwxrwxr-x 2 impadmin impadmin 4096 Jul 19 13:17 dbt_packages
drwxrwxr-x 5 impadmin impadmin 4096 Jul 19 13:34 target
```

3.2. Copy DBT Models (SQL files)

The 'models' folder within the DBT project houses all the SQL files utilized for data building. Perform a 'git clone' and then copy the project-specific models to distinct directories.

```
(base) impadmin@impetus-b0150u:~/snf_sample$ ls -ltr
total 44
-rw-rw-r-- 1 impadmin impadmin 571 Jul 19 08:46 README.md
drwxrwxr-x 2 impadmin impadmin 4096 Jul 19 08:46 tests
drwxrwxr-x 2 impadmin impadmin 4096 Jul 19 08:46 snapshots
drwxrwxr-x 2 impadmin impadmin 4096 Jul 19 08:46 seeds
drwxrwxr-x 3 impadmin impadmin 4096 Jul 19 08:46 models
drwxrwxr-x 2 impadmin impadmin 4096 Jul 19 08:46 macros
drwxrwxr-x 2 impadmin impadmin 4096 Jul 19 08:46 analyses
-rw-rw-r-- 1 impadmin impadmin 1262 Jul 19 08:51 dbt_project.yml
drwxrwxr-x 2 impadmin impadmin 4096 Jul 19 08:52 logs
drwxrwxr-x 2 impadmin impadmin 4096 Jul 19 13:17 dbt_packages
drwxrwxr-x 5 impadmin impadmin 4096 Jul 19 13:34 target
```