DBT - Key Pair Authentication

DBT & Snowflake Integration – Key Pair

Creation of private and public keys for DBT & Snowflake Integration

CREATE PASSPHRASE

- Create Passphrase and store it in Google secret manger.
- Open terminal window and type the below command to create private key with new passphrase

openssl genrsa 2048 | openssl pkcs8 -topk8 -v2 des3 -inform PEM -out hrdp_snowfake_key_dv.p8

- After creation of private key, run the below command to create public key

openssl rsa -in hrdp_snowfake_key_dv.p8 -pubout -out hrdp_snowfake_key_dv.pub

CREATE USERS IN SNOWFLAKE

- Create users in Snowflake regions (this is one time activity)

*CREATE USER **HRDP_DBT_DV** PASSWORD='abc123'*

*DEFAULT_ROLE = **HRDP_DV_DOMAIN_ADMIN***

*LOGIN_NAME = **HRDP_DBT_DV***

DEFAULT_WAREHOUSE = HRDP_DBT_BASE_WH;

- Grant role to user & Unset password.

*grant role **HRDP_DV_DOMAIN_ADMIN** TO USER **HRDP_DBT_DV**;*

*ALTER USER **HRDP_DBT_DV** UNSET PASSWORD;*

- Then run the below command to set the public key in snowflake.

*ALTER USER HRDP_DBT_DV SET RSA_PUBLIC_KEY=**'ENTER PUBLIC KEY HERE'**;*

DBT Deployment credentials:

Go to deploy then environments. Select the respective region and click edit for the deployment credentials. Then paste the private key in the tab with the passphrase.

DV username: HRDP_DBT_DV

QA username: HRDP_DBT_QA

NP username: HRDP_DBT_NP

PD username: HRDP_DBP_PD

In the private key tab, copy the respective region private encrypted key mentioned above with the commented line included.

Passphrase tab : place the above mentioned value for the respective regions.

Note: The above statements are one time process which is already done. By any chance if you created, we have to follow the same steps in snowflake and DBT which will required some amount of time. So please don't create it once again. If you feel you have to create a new private key in such scenarios also, we can create based on our existing public key.

The actual public key, private and passphrase key is placed in the secret manager. Please get in touch with the respective person to access the same.

DV Secret Manager:

QA Secret Manager: