Enabling Database Replication

Database Replication

```
--- list accounts under same organization
use role ORGADMIN;
SHOW ORGANIZATION ACCOUNTS;

--- enable accounts for replication
use role ORGADMIN;
select system$global_account_set_parameter('SOURCE_ACCOUNT','ENABLE_ACCOUNT_DATABASE_REPLICATION', 'true');
select system$global_account_set_parameter('TARGET_ACCOUNT','ENABLE_ACCOUNT_DATABASE_REPLICATION', 'true');
--- note:
---- use account_locator from the show command above as first parameter


-- In the source account:
--- identify which database you want to replicate to which account
use role accountadmin;
alter database <DB_NAME> enable replication to accounts loreal.<TARGET ACCOUNT NAME>;
--- note:
---- use account_name from the show command above as target acconnt name

-- In the target account:
 --- identify which database you want to replicate from which account
use role accountadmin;
create database <NEW DATABASE NAME> as replica of loreal.<SOURCE ACCOUNT NAME>.<SOURCE DATABASE NAME>;

--refresh replication
alter database <NEW DATABASE NAME> refresh;
--- this can be wrapped in a task to allow the data/metadata refresh at a determined cadance

------Granting permissions and ownership of new replica database
---- the example below is for database HRDP_REP_US_DB_TEST and schema ACCESS_RIGHTS_SCH
use role accountadmin;
grant usage on database HRDP_REP_US_DB_TEST to role "AMER-GCP-SNOWFLAKE-HRDP-ADMINS-PD" ;
grant usage on  schema HRDP_REP_US_DB_TEST.ACCESS_RIGHTS_SCH to role "AMER-GCP-SNOWFLAKE-HRDP-ADMINS-PD" ;
grant select on all tables in schema HRDP_REP_US_DB_TEST.ACCESS_RIGHTS_SCH to role "AMER-GCP-SNOWFLAKE-HRDP-
ADMINS-PD" ;
grant select on all views in schema HRDP_REP_US_DB_TEST.ACCESS_RIGHTS_SCH to role "AMER-GCP-SNOWFLAKE-HRDP-
ADMINS-PD" ;
grant select on future tables in schema HRDP_REP_US_DB_TEST.ACCESS_RIGHTS_SCH to role "AMER-GCP-SNOWFLAKE-HRDP-
ADMINS-PD";
grant select on future view in schema HRDP_REP_US_DB_TEST.ACCESS_RIGHTS_SCH to role "AMER-GCP-SNOWFLAKE-HRDP-
ADMINS-PD";

grant OWNERSHIP on database HRDP_REP_US_DB_TEST to role "AMER-GCP-SNOWFLAKE-HRDP-ADMINS-PD" COPY CURRENT GRANTS;
grant OWNERSHIP on  schema HRDP_REP_US_D.ACCESS_RIGHTS_SCHB to role "AMER-GCP-SNOWFLAKE-HRDP-ADMINS-PD" COPY
CURRENT GRANTS;
grant OWNERSHIP on all tables in schema HRDP_REP_US_DB_TEST.ACCESS_RIGHTS_SCH to role "AMER-GCP-SNOWFLAKE-HRDP-
ADMINS-PD" COPY CURRENT GRANTS;
grant OWNERSHIP on all views in schema HRDP_REP_US_DB_TEST.ACCESS_RIGHTS_SCH to role "AMER-GCP-SNOWFLAKE-HRDP-
ADMINS-PD" COPY CURRENT GRANTS;
```