

Promotion Steps

Promotion of encryption service

- Choose values for following fields
 - master-password: choose any string of any length (can contain alphanumerics and special characters)
 - master-salt: choose any string of length **8** (can contain alphanumerics and special characters)
 - master-initialvector: choose any string of length **12** (can contain alphanumerics and special characters)
 - Ask Devops to generate keys for above selected values,
 - In environment secrets.yml file, add "egov-enc-service" subsection under "secrets" section and provide values for above three fields. For ex:- for Dev environment <https://github.com/egovernments/eGov-infraOps/blob/master/helm/environments/dev-secrets.yaml#L29> (Ask Devops to do it)
- add field "state-level-tenant-id" under "egov-enc-service:" section for state level tenantId in environment yml. ex:- <https://github.com/egovernments/eGov-infraOps/blob/master/helm/environments/qa.yaml#L525>
- Promote **egov-enc-service:4-master-f47bff2**
- Make sure "egov-enc-service" entry is present in "egov-service-host" in environment yml ,ex:- for dev <https://github.com/egovernments/eGov-infraOps/blob/master/helm/environments/dev.yaml#L65> . If not, make changes and build and deploy zuul from master branch.

Data migration steps

(migration script and config in attachment):-

- Provide DB details in following environment variables
 - DB_PASSWORD
 - DB_HOST
 - DB_PORT
 - DB_USERNAME
 - DB_NAME'
- Backup old tables

- create table eg_user_backup_plaintext as (select * from eg_user);
- create table eg_user_address_backup_plaintext as (select * from eg_user_address);
- Delete foreign key referenced on 'eg_user' from 'eg_userrole_v1' temporarily until the data is transformed
- ALTER TABLE eg_userrole_v1 DROP CONSTRAINT fk_user_role_v1;
- Deploy user service build with encryption to run flyway migration (**egov-user:11-user_changes_MT-800f319**)
- Clean tables of all plain text data
- delete from eg_user_address;
- delete from eg_user;
- run migration
- Script python package dependencies
- import pycopg2
- import sys
- import json
- import requests
- import configparser
- import logging
- import os
- Commands to run for migration
- python3 user_migration.py config_user_encryption.txt
- python3 user_migration.py config_address_encryption.txt
- Restore earlier deleted foreign key constraint
- ALTER TABLE eg_userrole_v1 ADD CONSTRAINT fk_user_role_v1 FOREIGN KEY (user_id, user_tenantid) REFERENCES eg_user(id, tenantid) MATCH SIMPLE ON UPDATE NO ACTION ON DELETE NO ACTION;

- **Service Builds:-**

- User service:- **egov-user:11-user_changes_MT-800f319**
- Set environment variable "DECRYPTION_ABAC_ENABLED" to false
- User service copy for chatbot:- **egov-user-chatbot:4-user_changes_MT-621fe60**

Note: Promote only if whatsapp chatbot is already running in the system, it uses another copy of user service named "egov-user-chatbot". Not needed if whatsapp- chatbot is not in the system.

- Report service:- **report:22-report-encryption-changes-e92c8ae**
- enc-service:- **egov-enc-service:4-master-f47bff2**
- MDMS: Copy mdms folder <https://github.com/egovernments/egov-mdms-data/tree/master/data/pb/DataSecurity> - Connect to preview