UTES IN ACTION:

Raksha.io is committed to secure network infrastructure and web apps and ops. Some UTES Actions are:

- As it was absolutely necessary for us to use a databased user repo, we have implemented mongodb as database. The schema/models is auth_users and the collection is users. So a user has to register first and then user is able to login

- user can chose login if s/he is already member of the community. Or Register to become a member and a last option to logout.

- After a user has registered successfully, user is navigated to start page. where user can login . When a user is logged in , user is navigated to this protocol converter service page:

- The user id is then shown in readonly field on the page and is able to choose protocol operations as desired. The data display has a delay and the user has to

repeat the operation to get the data in the page view. Investigating how to solve this.

- Demo Development was initiated on 15 Jan 2022 the purpose was to develop a state of art one page app that was responsive and would run on any device. On 28th Feb. 2022 the project was completed. The features deployed on this new app are:
  - The app uses .env file for many key functions, ensure that the file is in the root.
  - Creating user with minimal inputs:
    - full name
    - email
    - unique id
  - Creating random user - this feature creates random user with one click
  - Protocol Exchange Service - includes:
    - SAML -> OAUTH
    - OAUTH -> SAML

- - SAML -> X509
  - X509 -> SAML
  - X509 -> OAUTH
  - OAUTH -> X509
- SAML Assert Service
- JWKeySet endpoint Service
- JWToken endpoint Service
- OCSP Service
- Secure Envelop Service