

# Project Plan and Proposal

## Problem Statement:-

- There are two levels of endorsement policy that acts on a chaincode, channel(namespace) level, and key(collection) level.
- When there are too many channels and collections it gets hard to manage all the data entities and knowing who has access to what.

## Solution:-

A tool that helps to query and modifying policies with relative ease.

The project can be found at

<https://github.com/maniankara/hyperledger-easydoser>

Information about the project's weekly updates are being updated at

[https://github.com/maniankara/hyperledger-easydoser/blob/master/project\\_status.md](https://github.com/maniankara/hyperledger-easydoser/blob/master/project_status.md)

## Deliverable:-

### 1. Milestone 1:-

- ✓ A web UI to pick the required keys and certificates.
- ✓ Show policies of all the channels that a peer/owner/admin is part of.
- ✓ Representing policies of different organizations in a bifurcated manner.
- ✓ Updating documentation.

### 2. Milestone 2:-

- ✓ Querying and displaying endorsement policies of private collections.
- ✓ Query and show chaincode's endorsement policy.
- ✓ Approving, checking, and modifying endorsement policies and private collection of chain code.
- ✓ Updated Web-UI as per the newly added features.
- ✓ Updating documentation.

### 3. Milestone 3:-

- ✓ Writing build tests for EasyDoser.
- ✓ Making EasyDoser Compatible with Docker.
- ✓ Pushing all the errors to the frontend.
- ✓ Giving users the choice to run the project with or without docker.
- ✓ Added tests for the Golang server.
- ✓ Updating the documentation.

### 4. Milestone 4:-

- ✓ Cleaning up the code and adding some finishing touches to the Web-UI.
- ✓ Adding github action to create a new release with every bump in version.
- ✓ Making a video demo of the whole project.
- ✓ Writing a blogpost.
- ✓ Finding future works for the project.

## End Product:-

The end product will be an easy to use Web-UI where any user picks their keys and certificates and then gets to query and view all the endorsement policies (key level and namespace level) in a simplified and hierarchical manner. If the user is an admin, the user can modify channel policy definitions.