Secure DID Registry on Github/Gitlab for Hyperledger Frameworks

<table>
<thead>
<tr>
<th>Title</th>
<th>Utility to create a Secure DID Registry on Github/Gitlab for Hyperledger Frameworks</th>
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<tbody>
<tr>
<td>Status</td>
<td>COMPLETED</td>
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<tr>
<td>Difficulty</td>
<td>MEDIUM</td>
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Description
Develop a command line utility that can create a secure DID Registry on Github or a Gitlab.
On the Bash shell this utility will enable commands that makes use of Github or Gitlab API for doing basic CRUD operations on a GIT repository based DID Registry.

Additional Information
This is a git repository based DID registry. The utility will also have commands to manage git based DID Registry (i.e create, reset, revoke, resolve, add, remove (Repositories, DID, DID Docs, Verifiable Organizations and Trusted Member.)).

Learning Objectives
The Participant learn how to interface with various Hyperledger Frameworks and also learn how to automate the creation of Organization specific DID Registries on Github or Gitlab.

Expected Outcome
Scripts to create a DID registry structure and on boarding the trusted team with necessary ACL set for working with the git repository. This should be enabled with an API layer through which the interaction with DID registry can be enabled and integrated with other platforms.

Relation to Hyperledger
Github/Gitlab based DID registries that can be used by Hyperledger Indy, Hyperledger Aries or any other Hyperledger Framework that needs to interact with DID Registries.

Education Level
Graduate or Masters students preferred. Please do take a look at the skills.

Skills
Knowledge of Git, GitHub or Gitlab, shell-scripting and python would be required.

Future plans
The plan is to further enhance this as an open source utility and add more capabilities required to manage an full featured DID Registry on Github.

Preferred Hours and Length of Internship
Part-time (20 hours a week for 24 weeks starting in summer and ending in fall)
Mentor(s) Names and Contact Info

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Lightening Talk Recording

Secure DID Reg...Frameworks.mp4