



HYPERLEDGER
BLOCKCHAIN TECHNOLOGIES FOR BUSINESS

Working Group Charter-Hyperledger Requirements Working Group

Introduction

The Requirements Working Group (ReqWG) is a bridge between a business oriented community and the Hyperledger projects with the purpose of building robust Blockchain and Distributed Ledger Technology software for Commercial and Noncommercial Entities. The ReqWG is focused on developing specific use cases to make it easier for Enterprises to experiment and adopt Hyperledger projects. This also includes identifying and documenting specific use cases in financial, supply chain, logistics and other key business areas utilizing Hyperledger projects. In addition the workgroup will provide direct feedback on specific projects, with focused requirements. An example is the Hyperledger Fabric project currently does not have an implementation for archiving, or sunseting, while preserving a chain that is no longer in use.

The ReqWG serves as a cross project forum for business domain experts, architects and technologists from the Hyperledger community :

- to exchange ideas and explore business and interoperability use cases,
- to discuss the requirements and capture the tradeoffs and reasoning behind the use cases and
- to derive key additional features that could contribute in the requirements definition for future enhancements to any of the Hyperledger Projects

The ReqWG provides requirements recommendations guidance to the projects under the Hyperledger umbrella and encourages them towards building new features that support privacy, scalability, enhanced permissions or any other features through a modular and configurable architecture framework. The ReqWG invites individual and enterprise resources to contribute to Hyperledger project requirements and provides application designs reviews on proofs of concept to identify future enhancement that can help shape the Hyperledger direction and adoption.

Scope

The scope for the ReqWG is solution focused and is geared towards Enterprise blockchains. The focus is on identifying high level functional requirements and communicate these to

Hyperledger Architecture Working Group concerned with building modular components, leaving the design and implementation (“the technical how”) to the individual Hyperledger projects. The ReqWG is also an active participant in the discussion and collaborative efforts to understand and document different alternative competing requirements and designs that may occur between different projects that are part of the overall Hyperledger program.

Work Products

The main work products of the ReqWG contains the following:

- An inventory of requirements documents which captures specific business processes and features that are built based on Hyperledger Technologies
- A high level business or support oriented feature lists that is the recommendations of the ReqWG stakeholder community.

Additional Derivative work products of the ReqWG include:

- Req WG provides peer reviews of proofs-of-concept built with Hyperledger technologies
- The group monitors prototypes and products built for use cases covered by the group to showcase round trip from requirements to implementations.

Collaborators (other groups)

The ReqWG collaborates with independent and Hyperledger member application builders, including Fabric, Sawtooth and any other Hyperledger projects technical architect communities. Req WG collaborates with the Architectural Working Groups to identify requirements requiring technical work items. After reaching robust consensus the ReqWG makes Jira entries for Hyperledger projects with the goal to adopt these features in future releases of the different projects.

In the future, the ReqWG will work with each of the different Hyperledger Projects to create and maintain with each release a baseline of up to-date high level requirements (JIRA features) specific to the release. It will help contribute in the discussion of requirements based on the specific inputs of its business community members.

Process of the ReqWG

Participation to the ReqWG is open to everyone in the Hyperledger community. The ReqWG has a wiki page, RocketChat channel and e-mail list. We hold bi-weekly meetings via Webex. We also have one or more face-to-face sessions during the Hyperledger hackfest meetings. When needed sub-teams/groups have working sessions for specific work items. Decisions are made by rough consensus.

Transparency

Meeting details, meeting notes, and documentation are accessible to everyone in the community:

Wiki: <https://wiki.hyperledger.org/groups/requirements/requirements-wg>

Mail-list: [hyperledger-requirements-wg mailing list](#)

[Google doc version of ArchitectureWG meeting minutes](#)

[Google doc version of the RequirementsWG meeting minutes](#)

[Inventory of Use Cases and Their Status](#)

Rocket channel # requirements-wg <http://chat.hyperledger.org/>

Amendments

Changes to the charter may be proposed by active group members and with rough consensus can be brought forward to

TSC. <https://wiki.hyperledger.org/groups/requirements/use-case-inventory>

