Architecture Working Group

Description

The Hyperledger Architecture Work Group (AWG) is a technical workgroup focused on developing an architectural framework for Enterprise class distributed ledgers, towards convergence on a modular architecture. This includes identifying common and critical components, providing a functional decomposition of an Enterprise blockchain stack into component layers and modules, regularizing interfaces between the components, and interoperability between ledgers.

The AWG serves as a cross-project forum for architects and technologists from the Hyperledger community to exchange ideas and explore alternate architectural options, discuss the tradeoffs, and capture the reasoning behind the choices. The AWG provides recommendations and architectural guidance to the projects under the Hyperledger greenhouse and encourages them towards convergence on a modular architecture. The AWG invites individual Hyperledger projects for architecture and design review to benefit from the expertise from the community as well as to shape the architectural direction of Hyperledger.

Charter

Please see Charter for the full text of the charter.

Scope

The scope is technical and focused on architecture of Enterprise blockchains. For the most part the focus is on the functional ("the what") aspects of the components, leaving design and implementation ("the how") to the individual projects.

Meetings

All Hyperledger meetings are run covered by the following Antitrust Policy.

Teleconference bi-weekly on Wed. 9 AM Pacific alternating with Identity-WG meetings. See the Calendar of Public Meetings for the next meeting and dial in details.

Meeting Agendas

All Meeting Agendas

Meeting Notes

- 2020-01-15
- 2019-12-11 Besu
- 2019-12-04
- 2019-11-6
- 2019-11-20

All Meeting Notes

Links to Ongoing Work

- Ledger System Identities
- Privacy & Confidentiality
- Interoperability

Links to Completed Work

- Hyperledger Architecture Volume 1 - Design Philosophy & Consensus
- Hyperledger Architecture Volume 2 - Smart Contracts

Other Links

- Arch WG Working Document
- Arch Paper: Volume 1 - Design Philosophy & Consensus - Published
- Arch Paper: Volume 2 - Smart Contracts
- Arch WG meeting minutes

TSC Quarterly Updates

- March 2018
- June 2018
- September 2018
- January 2019

How to Get Involved

The Links to Ongoing Work shows the work products that currently need some input.

Communication Channels

These are the mechanisms that this working group uses to communicate.

Mailing List
architecture-wg@lists.hyperledger.org

- Subscribe
- Archives

Chat Channel

#architecture-wg
• notes from the Privacy/Confidentiality Track
• Interoperability in Hyperledger
• Meeting Recordings

Active Members

<table>
<thead>
<tr>
<th>Name</th>
<th>Company</th>
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<tbody>
<tr>
<td>Ram Jagadeesan</td>
<td>Cisco</td>
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<tr>
<td>Mic Bowman</td>
<td>Intel</td>
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<tr>
<td>Binh Nguyen</td>
<td>State Street</td>
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<tr>
<td>Hart Montgomery</td>
<td>Fujitsu</td>
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<tr>
<td>Stan Liberman</td>
<td>CME Group</td>
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<tr>
<td>Murali Krishna</td>
<td>DTCC</td>
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<td>Vipin Bharathan</td>
<td>dlt.nyc</td>
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<tr>
<td>Alexander Yakovlev</td>
<td>NSD.RU</td>
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<tr>
<td>Todd Little</td>
<td>Oracle</td>
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<td>Nathan George</td>
<td>Sovrin</td>
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<td>Clive Boulton</td>
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<td>Tracy Kuhrt</td>
<td>The Linux Foundation</td>
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Recent space activity

Ram Jagadeesan
2020-01-15 created Jan 15, 2020

Vipin Bharathan
Architecture Working Group updated Dec 22, 2019 • view change
Interoperability in Hyperledger updated Dec 22, 2019 • view change

Tracy Kuhrt
Interoperability in Hyperledger updated Dec 20, 2019 • view change

Mic Bowman
Future Meeting Topics updated Dec 13, 2019 • view change

Space contributors

• Ram Jagadeesan (33 days ago)
• Vipin Bharathan (57 days ago)
• Tracy Kuhrt (59 days ago)
• Mic Bowman (66 days ago)
• Lucas Saldanha (68 days ago)
• ...