Architecture Working Group

This group is not currently active. If anyone is interested in restarting activities and discussions in these groups, please feel free to do so. You can find a link on this page to the group's mailing list. Feel free to subscribe to the list and introduce yourself and post any thoughts, questions or suggestions you have about the group. If there is interest in reactivating the group, we can relaunch it if there is interest from group members in doing that.

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.

> ℹ️ 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

- 2021-10-?? Connector/Plugin Standardization - Part 4

All Meeting Agendas

Meeting Notes

- 2020-12-02
- 2020-11-18
- 2020-11-04
- 2020-10-07
- 2020-09-09

All Meeting Notes

Links to Ongoing Work

- Ledger System Identities
- Privacy & Confidentiality
- Interoperability

TSC Quarterly Updates

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

New TSC Working Group Update

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

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
- notes from the Privacy/Confidentiality Track
- Interoperability in Hyperledger
- Meeting Recordings

Active Members

Name	Company
Ram Jagadeesan	Cisco
Mic Bowman	Intel
Binh Nguyen	State Street
Hart Montgomery	Fujitsu
Stan Liberman	CME Group
Murali Krishna	DTCC
Vipin Bharathan	dlt.nyc
Alexander Yakovlev	NSD.RU
Todd Little	Oracle
Nathan George	Sovrin
Clive Boulton	CertifiedTrue
Tracy Kuhrt	The Linux Foundation

Recent space activity

Ry Jones
Architecture Working Group updated Nov 28, 2023 view change

David Boswell
Architecture Working Group updated May 24, 2022 view change

Jayakar Joseph Johnson
Architecture development assistance for Real-time Healthcare Modules
and Integrations in Hyperledger Framework created Feb 12, 2022

Peter Somogyvari
2021-10-?? Connector/Plugin Standardization - Part 4 created Sep 20,
2021

Clive Boulton
2020-11-18 updated Dec 16, 2020 view change

Space contributors

- Ry Jones (140 days ago)
- David Boswell (694 days ago)
- Jayakar Joseph Johnson (795 days ago)
- Peter Somogyvari (940 days ago)
- Clive Boulton (1218 days ago)
- ...