Hyperledger Avalon

<table>
<thead>
<tr>
<th>Project</th>
<th>HYPERLEDGER AVALON</th>
</tr>
</thead>
<tbody>
<tr>
<td>Status</td>
<td>INCUBATION</td>
</tr>
<tr>
<td>CII Badge</td>
<td></td>
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<tr>
<td>Description</td>
<td>Hyperledger Avalon enables privacy in blockchain transactions, moving intensive processing from a main blockchain to improve scalability and latency, and to support attested Oracles</td>
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</tbody>
</table>

Key Characteristics

- Hyperledger Avalon leverages the existence of a distributed ledger to:
  - Maintain a registry of the trusted workers (including their attestation info)
  - Provide a mechanism for submitting work orders from a client(s) to a worker
  - Preserve a log of work order receipts and acknowledgments
- Hyperledger Avalon uses the Off-Chain Trusted Compute Specification defined by Enterprise Ethereum Alliance (EEA) Task Force as a starting point to apply a consistent and compatible approach to all supported blockchains

Documentation

- [https://github.com/hyperledger-labs/trusted-compute-framework/tree/master/docs](https://github.com/hyperledger-labs/trusted-compute-framework/tree/master/docs)

Project Management

- Bug tracking to be enabled at [https://jira.hyperledger.org/secure/Dashboard.jspa](https://jira.hyperledger.org/secure/Dashboard.jspa)

Repositories

- [https://github.com/hyperledger/avalon](https://github.com/hyperledger/avalon)

Communication

Mailing List

- avalon@lists.hyperledger.org
  - subscribe
  - messages

Chat (for questions and ephemeral discussions)

- #avalon

Meeting

- Developer Community Meeting is held biweekly on Tuesdays starting 2019-10-29. Timings for different timezones:
  - PST (UTC-7:00) 07:30 am
  - EST (UTC-4:00) 10:30 am
  - IST (UTC+5:30) 08:00 pm
  - CST (UTC+8:00) 10:30 pm
  - CET (UTC+2:00) 04:30 pm
- No meeting 2019-12-31. Next meeting 2020-01-14
History

- 2018-06-26 Incubation status initiated for Hyperledger Trusted Compute Framework with approval of the Hyperledger Technical Steering Committee and creation of a Hyperledger Labs repository
- 2018-10-03 Renamed Hyperledger Avalon and entered full-fledged active status

Complete these tasks to get started

- Configure the sidebar - remove the "Pages", "Blog", and "Space Shortcuts" sections by clicking on the `-` sign next to them until they appear as a `+` sign. Then save the changes.
- Create a Meeting Agendas and Notes page - Click the Create button in the header to get started
- Brand your Space - Click Configure Sidebar in the left panel to update space details and logo
- Set permissions - Click Space Tools in the left sidebar to update permissions and give others access (usually the only change here is to click the View option for Anonymous users)
- Label the page appropriately - For a project space, label this page project-home. For a workgroup space, label this wg-home. For a SIG space, label this SIG-home.

Recent space activity

Hamakrishna Srinivasamurthy
2021-01-28 Graphene hands-on with and without Avalon updated Mar 01, 2021 • view change
2021-02-25 Hyperledger Avalon with SCONE updated Mar 01, 2021 • view change

Rajeev Ranjan
2021-01-28 Graphene hands-on with and without Avalon created Jan 29, 2021

Pankaj Goyal
2020-12-17_KME_Replication_Architecture by Eugene updated Dec 17, 2020 • view change

Dan Anderson
2019-12-03 Avalon Introduction commented Dec 14, 2020

Space contributors

- Ramakrishna Srinivasamurthy (81 days ago)
- Rajeev Ranjan (112 days ago)
- Pankaj Goyal (155 days ago)
- Sriharsha Mysore Subbakrishna (191 days ago)
- David Huseby (241 days ago)
- ...