Contributing to Hyperledger

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The Linux Foundation

A recording of this slide deck can be found here
Hyperledger Modular Approach

**Infrastructure**

Technical, Legal, Marketing, Organizational

Ecosystems that accelerate open development and commercial adoption

**Frameworks**

Meaningfully differentiated approaches to business blockchain frameworks developed by a growing community of communities

<table>
<thead>
<tr>
<th>Framework</th>
<th>Features</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hyperledger Fabric</td>
<td>Permissioned with channel support</td>
</tr>
<tr>
<td>Hyperledger Sawtooth</td>
<td>Permissioned &amp; permissionless support; EVM transaction family</td>
</tr>
<tr>
<td>Hyperledger Iroha</td>
<td>Mobile application focus</td>
</tr>
<tr>
<td>Hyperledger Indy</td>
<td>Decentralized identity</td>
</tr>
<tr>
<td>Hyperledger Burrow</td>
<td>Permissionable smart contract machine (EVM)</td>
</tr>
</tbody>
</table>

**Tools**

Typically built for one framework, and through common license and community of communities approach, ported to other frameworks

<table>
<thead>
<tr>
<th>Tool</th>
<th>Function</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hyperledger Composer</td>
<td>Model and build blockchain networks</td>
</tr>
<tr>
<td>Hyperledger Cello</td>
<td>As-a-service deployment</td>
</tr>
<tr>
<td>Hyperledger Explorer</td>
<td>View and explore data on the blockchain</td>
</tr>
<tr>
<td>Hyperledger Quilt</td>
<td>Ledger interoperability</td>
</tr>
<tr>
<td>Hyperledger Caliper</td>
<td>Blockchain framework benchmark platform</td>
</tr>
</tbody>
</table>
Source Repositories

Depending on the project, source code can be found in either [Gerrit](https://gerrit) or [Github](https://github).

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<th>Gerrit</th>
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<tr>
<td>Hyperledger Fabric</td>
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<td></td>
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Issue Tracking

Depending on the project, issues are tracked either in Github or Jira.

<table>
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<th>Jira</th>
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</tr>
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<td>Hyperledger Caliper</td>
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</table>

All Security bugs should be reported in Jira or sent to security@hyperledger.org.
General Steps for Contributing to Hyperledger

CONTRIBUTING guides
Get a copy of the repository
Find the issue you wish to work on
Make your changes
Create a pull requests
Expect comments
Address comments
Programming Languages:

- Python (fabric-sdk-py, fabric-test)
- Java (fabric-sdk-java, fabric-chaincode-java)
- Clojure (fabric-chaintool)

Issue Tracking: Hyperledger Jira FAB project

How to Contribute: CONTRIBUTING Guide + Help Wanted Issues
Programming Languages:
- Python (sawtooth-core, sawtooth-next-directory, sawtooth-marketplace)
- JavaScript (sawtooth-supply-chain, sawtooth-explorer)
- Go (sawtooth-seth)

Issue Tracking: Hyperledger Jira STL project

How to Contribute: CONTRIBUTING Guide + Help Wanted Issues
Programming Languages:
- C++ (iroha, iroha-dotnet)
- C (iroha-ed25519)
- Scala (iroha-scala)

Issue Tracking: Github Issues

How to Contribute: CONTRIBUTING Guide + Good First Issues
Programming Languages:
- Python (indy-node, indy-plenum, indy-anoncreds)
- Rust (indy-sdk, indy-crypto)

Issue Tracking: Hyperledger Jira Indy project

How to contribute: CONTRIBUTING Guide + Help Wanted Issues
Hyperledger Burrow

Programming Languages:
- Go (burrow)

Issue Tracking: Github Issues

How to Contribute: CONTRIBUTING Guide
Hyperledger Composer

Programming Languages:

Issue Tracking: [Github Issues](https://github.com/hyperledger/composer/issues)

How to contribute: [CONTRIBUTING Guide](https://github.com/hyperledger/composer/blob/master/CONTRIBUTING.md) + [Help Wanted Issues](https://github.com/hyperledger/composer/issues?q=is%3Aopen%20is%3Ahelp-wanted)
Hyperledger Cello

Programming Languages:
- JavaScript (cello)

Issue Tracking: Hyperledger Jira Cello project

How to Contribute: CONTRIBUTING Guide
Programming Languages:
- JavaScript ([blockchain-explorer](https://blockchain-explorer))

Issue Tracking: [Hyperledger Jira Blockchain Explorer project](https://hyperledger-jira.org/projects/BCX)

How to Contribute: [CONTRIBUTING Guide](https://www.hyperledger.org/projects/blockchain-explorer/contributing)
Programming Languages:
- Java (quilt)

Issue Tracking: Github Issues

How to Contribute: CONTRIBUTING Guide (Issue #61)
Hyperledger Caliper

Programming Languages:
- JavaScript ([caliper](https://github.com/hyperledger/caliper))

Issue Tracking: [Github Issues](https://github.com/hyperledger/caliper/issues)

How to Contribute: CONTRIBUTING Guide ([Issue #10](https://github.com/hyperledger/caliper/issues/10))
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Cloud Foundry | Node.js | Open Container Initiative

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FINISH