Hyperledger Cactus Home

### Key Characteristics

**What is Hyperledger Cactus?**

Cactus is a **plugin-based framework** to transact on **multiple distributed ledgers** without introducing yet another competing blockchain. An SDK of SDKs

Cactus aims to provide Decentralized, Adaptable and Secure Integration to and between Blockchain Networks. It's aim is to cover as many protocols as possible through an **extensible plugin architecture** where new protocols or functionality can be added by creating new plugins.

**Why should I use Cactus?**

- **To address blockchain fragmentation:** Allow developers to connect and perform transactions across different blockchain networks.
- **Save (distributed) app developers from re-inventing the wheel:** Simplify secure interactions with blockchain nodes using a standardized interface across protocols.
- **Lower risk of adopting blockchain** by businesses; Abstract your app layer from the blockchain protocol, allowing developers to easily change the blockchain protocol being used and reducing risks of your app being obsolete.

**What are Cactus Design principles?**

- **Key principles:**
  - Plugin architecture: Maximize flexibility and future-proofing through plug-in architecture
  - Secure by Default: Avoid needing explicit action from users to have a secure Cactus deployment.
  - Toll Free: Users should not be required to use tokens for transactions & Operators should not be required to take a cut of individual transactions
  - Low Impact Deployment: Do not interfere with or impede existing network requirements
- **Additional principles:**
  - Wide Support: Support as many blockchain protocols as possible, and constantly support new ones.
  - Prevent Double Spending: Whenever two networks are interacting with each other ensure that there is no double spend whenever possible.
  - Preserving Ledger Features: Using Cactus should allow you to use all the features which the protocol enables.
  - Horizontal Scalability: Cactus should never be the bottleneck of all the networks involved. IE: If 2 networks can do 100tps, Cactus should be able to handle 200

**What are Cactus current features?**

- **Connectors** for different blockchain protocols
  - Hyperledger Besu, Hyperledger Fabric, (WIP for Corda, Geth, and Quorum)
- **Atomic transfers across ledgers**
  - HTLCs for Ether, ERC20 (WIP Fabtoken)
- **Decoupled identity**
  - JWT, (WIP OpenAPI)

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### Getting Involved

You are invited to get involved with the Solang project. Here are some ways you can get started.

1. Join one of our calls
   a. <insert Call Info>
2. Instructions on building with Solang
3. Join communication channels and introduce yourself and ask questions (details below)
4. Grab a good first issue based on your level of experience/technical area (s) of expertise or interests:
   a. All Good First Issues
   b. Climate Action SIG Specific Good First Issues
   c. Level 100 - Introductory Good First Issues
   d. Level 200 - Intermediate Good First Issues
   e. Level 300 - Advanced Good First Issues
   f. Level 400 - Expert Good First Issues

### Communication

**Mailing List**

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

**Chat (for questions and ephemeral discussions)**

Questions are welcome and best asked in Hyperledger Discord. Learn more about Hyperledger Discord here, get the invite and check out one of the many Cactus project channels.

### Meetings

[https://lists.hyperledger.org/g/solang/calendar](https://lists.hyperledger.org/g/solang/calendar)

Calendar of Public Meetings
How can I collaborate?

To see a guide on how to use Hyperledger Cactus, take a look at the links below in the Documentation section. Keep in mind that this is currently being updated so please write us through the different means listed in the Communication section.

If you want to collaborate in Cactus’ development, you can pick an issue directly from Github – we’ve linked to some good first issues below that are good places to start for new contributors. If you need extra guidance, contact us through the chat or join one of our meetings and we can help you.

- Metrics
  - Prometheus and Grafana based monitoring of the individual plugins

<table>
<thead>
<tr>
<th>Query: state=open&amp;labels=good-first-issue</th>
</tr>
</thead>
</table>

- fix(test-tooling): rustc container memory is not defined
  - bug
  - good-first-issue
  - help wanted
  - Hacktoberfest
  - good-first-issue-400-expert
  - Flaky-Test-Automation
  - Tests
  - P4
  - #2104 opened Jun 30, 2022 by petermetz

- style: 2021-09-20 linter warnings batch 17 / 26; part 4
  - good-first-issue
  - good-first-issue-100-introductory
  - #2094 opened Jun 22, 2022 by Leeyoungone

- style: 2021-09-20 linter warnings batch 17 / 26; part 3
  - good-first-issue
  - good-first-issue-100-introductory
  - #2093 opened Jun 22, 2022 by Leeyoungone

- style: 2021-09-20 linter warnings batch 17 / 26; part 2
  - good-first-issue
  - good-first-issue-100-introductory
  - #2092 opened Jun 22, 2022 by Leeyoungone

- style: 2021-09-20 linter warnings batch 17 / 26; part 1
  - good-first-issue
  - Hacktoberfest
  - good-first-issue-100-introductory
  - #2091 opened Jun 22, 2022 by Leeyoungone

- fix(security): vulnerabilities found in corda-4-6-all-in-one
  - bug
  - good-first-issue
  - Corda
  - dependencies
  - Security
  - Hacktoberfest
  - good-first-issue-300-advanced
  - P4
  - #2065 opened Jun 01, 2022 by zondervancalvez
- fix(security): vulnerabilities found in besu-all-in-one
  dependencies: Security, good-first-issue-300-advanced
  #2055 opened Jun 01, 2022 by zondervancalvez

- fix(security): vulnerabilities found in fabric-all-in-one
  dependencies: Security, good-first-issue-300-advanced
  #2057 opened Jun 01, 2022 by zondervancalvez

- fix(security): vulnerabilities found in fabric2-all-in-one
  dependencies: Security, Hacktoberfest, good-first-issue-300-advanced
  #2056 opened Jun 01, 2022 by zondervancalvez

- fix(security): vulnerabilities found in fabric4-7-all-in-one
  dependencies: Security, good-first-issue-300-advanced
  #2054 opened Jun 01, 2022 by zondervancalvez

- fix(security): vulnerabilities found in fabric4-8-all-in-one
  dependencies: Security, good-first-issue-300-advanced
  #2053 opened Jun 01, 2022 by zondervancalvez

- fix(security): vulnerabilities found in example-carbon-accounting
  documentation: Security, good-first-issue-300-advanced
  #2062 opened Jun 01, 2022 by zondervancalvez

- fix(security): vulnerabilities found in quorum-multi-party-all-in-one
  dependencies: Security, good-first-issue-300-advanced
  #2060 opened Jun 01, 2022 by zondervancalvez

- fix(security): vulnerabilities found in test-npm-registry
  dependencies: Security, good-first-issue-300-advanced, Tests, P4
  #2061 opened Jun 01, 2022 by zondervancalvez

- fix(security): vulnerabilities found in test-npm-registry
  dependencies: Security, good-first-issue-300-advanced
  #2061 opened Jun 01, 2022 by zondervancalvez

- fix(security): vulnerabilities found in test-npm-registry
  dependencies: Security, good-first-issue-300-advanced
  #2061 opened Jun 01, 2022 by zondervancalvez
build(deps): upgrade to TS 4.4 test-tooling  

- `good-first-issue`  
- `Nice-to-Have`  
- `dependencies`  
- `Developer_Experience`  
- `Hacktoberfest`  
- `good-first-issue-200-intermediate`  
- `P4`  

#1749 opened Jan 10, 2022 by petermetz

> build(deps): upgrade to TS 4.4 test-plugin-ledger-connector-besu  

- `good-first-issue`  
- `Nice-to-Have`  
- `dependencies`  
- `Developer_Experience`  
- `Hacktoberfest`  
- `good-first-issue-200-intermediate`  
- `P4`  

#1747 opened Jan 10, 2022 by petermetz

> build(deps): upgrade to TS 4.4 test-plugin-htlc-eth-besu  

- `good-first-issue`  
- `Nice-to-Have`  
- `dependencies`  
- `Developer_Experience`  
- `Hacktoberfest`  
- `good-first-issue-200-intermediate`  
- `P4`  

#1746 opened Jan 10, 2022 by petermetz

> build(deps): upgrade to TS 4.4 test-plugin-htlc-eth-besu-erc20  

- `good-first-issue`  
- `Nice-to-Have`  
- `dependencies`  
- `Developer_Experience`  
- `Hacktoberfest`  
- `good-first-issue-200-intermediate`  
- `P4`  

#1745 opened Jan 10, 2022 by petermetz

> build(deps): upgrade to TS 4.4 test-plugin-consortium-manual  

- `good-first-issue`  
- `Nice-to-Have`  
- `dependencies`  
- `Developer_Experience`  
- `Hacktoberfest`  
- `good-first-issue-200-intermediate`  
- `P4`  

#1744 opened Jan 10, 2022 by petermetz

> build(deps): upgrade to TS 4.4 plugin-odap-hermes  

- `good-first-issue`  
- `Nice-to-Have`  
- `dependencies`  
- `Developer_Experience`  
- `Hacktoberfest`  
- `good-first-issue-200-intermediate`  
- `P4`  

#1741 opened Jan 10, 2022 by petermetz

> build(deps): upgrade to TS 4.4 plugin-ledger-connector-xdai  

- `good-first-issue`  
- `Nice-to-Have`  
- `dependencies`  
- `Developer_Experience`  
- `Hacktoberfest`  
- `good-first-issue-200-intermediate`  
- `P4`  

#1740 opened Jan 10, 2022 by petermetz

> build(deps): upgrade to TS 4.4 plugin-ledger-connector-sawtooth-socketio  

- `good-first-issue`  
- `Nice-to-Have`  
- `dependencies`  
- `Developer_Experience`  
- `Hacktoberfest`  
- `good-first-issue-200-intermediate`  
- `P4`  

#1739 opened Jan 10, 2022 by petermetz
> build(deps): upgrade to TS 4.4 plugin-ledger-connector-quorum
  good-first-issue
  Nice-to-Have dependencies
  Developer_Experience
  Hacktoberfest
good-first-issue-200-intermediate P4
#1738 opened Jan 10, 2022 by petermetz

> build(deps): upgrade to TS 4.4 plugin-ledger-connector-iroha
  good-first-issue
  Nice-to-Have dependencies
  Developer_Experience
  Hacktoberfest
good-first-issue-200-intermediate P4
#1737 opened Jan 10, 2022 by petermetz

> build(deps): upgrade to TS 4.4 plugin-ledger-connector-go-ethereum-socketio
  good-first-issue
  Nice-to-Have dependencies
  Developer_Experience
  Hacktoberfest
good-first-issue-200-intermediate P4
#1736 opened Jan 10, 2022 by petermetz

> build(deps): upgrade to TS 4.4 plugin-ledger-connector-fabric
  good-first-issue
  Nice-to-Have dependencies
  Developer_Experience
  Hacktoberfest
good-first-issue-200-intermediate P4
#1735 opened Jan 10, 2022 by petermetz

> build(deps): upgrade to TS 4.4 plugin-ledger-connector-fabric-socketio
  good-first-issue
  Nice-to-Have dependencies
  Developer_Experience
  Hacktoberfest
good-first-issue-200-intermediate P4
#1734 opened Jan 10, 2022 by petermetz

> build(deps): upgrade to TS 4.4 plugin-ledger-connector-corda
  good-first-issue
  Nice-to-Have dependencies
  Developer_Experience
  Hacktoberfest
good-first-issue-200-intermediate P4
#1733 opened Jan 10, 2022 by petermetz

> build(deps): upgrade to TS 4.4 plugin-ledger-connector-besu
  good-first-issue
  Nice-to-Have dependencies
  Developer_Experience
  Hacktoberfest
good-first-issue-200-intermediate P4
#1732 opened Jan 10, 2022 by petermetz

> build(deps): upgrade to TS 4.4 plugin-keychain-vault
  good-first-issue
  Nice-to-Have dependencies
  Developer_Experience
  Hacktoberfest
good-first-issue-200-intermediate P4
#1731 opened Jan 10, 2022 by petermetz

> build(deps): upgrade to TS 4.4 plugin-keychain-memory

  good-first-issue Nice-to-Have dependencies Developer_Experience Hacktoberfest
good-first-issue-200-intermediate P4

#1730 opened Jan 10, 2022 by petermetz

> build(deps): upgrade to TS 4.4 plugin-keychain-memory-wasm

  good-first-issue Nice-to-Have dependencies Developer_Experience Hacktoberfest
good-first-issue-200-intermediate P4

#1729 opened Jan 10, 2022 by petermetz

> build(deps): upgrade to TS 4.4 plugin-keychain-google-sm

  good-first-issue Nice-to-Have dependencies Developer_Experience Hacktoberfest
good-first-issue-200-intermediate P4

#1728 opened Jan 10, 2022 by petermetz

> build(deps): upgrade to TS 4.4 plugin-keychain-azure-kv

  good-first-issue Nice-to-Have dependencies Developer_Experience Hacktoberfest
good-first-issue-200-intermediate P4

#1727 opened Jan 10, 2022 by petermetz

> build(deps): upgrade to TS 4.4 plugin-keychain-aws-sm

  good-first-issue Nice-to-Have dependencies Developer_Experience Hacktoberfest
good-first-issue-200-intermediate P4

#1726 opened Jan 10, 2022 by petermetz

> build(deps): upgrade to TS 4.4 plugin-htlc-eth-besu

  good-first-issue Nice-to-Have dependencies Developer_Experience Hacktoberfest
good-first-issue-200-intermediate P4

#1725 opened Jan 10, 2022 by petermetz

> build(deps): upgrade to TS 4.4 plugin-htlc-eth-besu-erc20

  good-first-issue Nice-to-Have dependencies Developer_Experience Hacktoberfest
good-first-issue-200-intermediate P4

#1724 opened Jan 10, 2022 by petermetz

> build(deps): upgrade to TS 4.4 plugin-consortium-manual

  good-first-issue Nice-to-Have dependencies Developer_Experience Hacktoberfest
good-first-issue-200-intermediate P4
#1723 opened Jan 10, 2022 by petermetz

> build(deps): upgrade to TS 4.4 core

> build(deps): upgrade to TS 4.4 core-api

> build(deps): upgrade to TS 4.4 common

> build(deps): upgrade to TS 4.4 cmd-api-server

> build(deps): upgrade to TS 4.4 api-client

> build(deps): upgrade to TS 4.4 plugin-object-store-ipfs

> build(deps): upgrade to TS 4.4 plugin-htlc-coordinator-besu

> build(deps): upgrade to TS 4.4 supply-chain-frontend

#1722 opened Jan 10, 2022 by petermetz

#1721 opened Jan 10, 2022 by petermetz

#1720 opened Jan 10, 2022 by petermetz

#1719 opened Jan 10, 2022 by petermetz

#1718 opened Jan 10, 2022 by petermetz

#1717 opened Jan 10, 2022 by petermetz

#1716 opened Jan 10, 2022 by petermetz

#1715 opened Jan 10, 2022 by petermetz
> build(deps): upgrade to TS 4.4 supply-chain-business-logic-plugin
[good-first-issue] Nice-to-Have dependencies Developer Experience Hacktoberfest
good-first-issue-200-intermediate P4
#1714 opened Jan 10, 2022 by petermetz

> build(deps): upgrade to TS 4.4 supply-chain-backend
[good-first-issue] Nice-to-Have dependencies Developer Experience Hacktoberfest
good-first-issue-200-intermediate P4
#1713 opened Jan 10, 2022 by petermetz

> build(deps): upgrade to TS 4.4 carbon-accounting-frontend
[good-first-issue] Nice-to-Have dependencies Developer Experience Hacktoberfest
good-first-issue-200-intermediate P4
#1712 opened Jan 10, 2022 by petermetz

> build(deps): upgrade to TS 4.4 carbon-accounting-business-logic-plugin
[good-first-issue] Nice-to-Have dependencies Developer Experience Hacktoberfest
good-first-issue-200-intermediate P4
#1711 opened Jan 10, 2022 by petermetz

> build(deps): upgrade to TS 4.4 carbon-accounting-backend
[good-first-issue] Nice-to-Have dependencies Developer Experience Hacktoberfest
good-first-issue-200-intermediate P4
#1710 opened Jan 10, 2022 by petermetz

> docs: add org.opencontainers.image.description label to all images
[documentation] enhancement good-first-issue Nice-to-Have
Developer Experience good-first-issue-400-expert P4
#1657 opened Dec 14, 2021 by petermetz

> refactor: use new node protocol imports
[good-first-issue] dependencies Developer Experience
good-first-issue-200-intermediate P5
#1654 opened Dec 14, 2021 by petermetz

> fix(docs/examples): cockpitEnabled default value confusion
[documentation] bug help wanted API_Server Nice-to-Have
dependencies Developer Experience Hacktoberfest
good-first-issue-400-expert Tests P4
> test(jest): fix jest-haste-map: Haste module naming collisions
 dependencies  Developer_Experience  Performance
 Hacktoberfest  good-first-issue-400-expert  Tests  P5
 #1645 opened Dec 08, 2021 by petermetz

> ci: custom check for package module, main, types, etc.
 dependencies  Developer_Experience  Hacktoberfest  good-first-issue-400-expert  P4
 #1642 opened Dec 08, 2021 by petermetz

> ci: custom check for license being Apache-2.0
 good-first-issue  Hacktoberfest
 #1640 opened Dec 08, 2021 by petermetz

> ci: enable caching of container image builds
 dependencies  Developer_Experience  Hacktoberfest  good-first-issue-400-expert  Flaky-Test-Automation  Tests  P3
 #1567 opened Nov 23, 2021 by petermetz

> test: stabilize cactus-plugin-htlc-eth-besu-erc20 openapi validation - refundV1
 good-first-issue  help wanted  Nice-to-Have  Besu Security  Hacktoberfest  good-first-issue-400-expert  Flaky-Test-Automation  Tests  P4
 #1528 opened Nov 10, 2021 by petermetz

> test: fix flake in install-basic-plugin-ledger-connector-fabric-0-7-0.test.ts
 good-first-issue  help wanted  API_Server  Nice-to-Have
 dependencies  Developer_Experience  Hacktoberfest  good-first-issue-400-expert  Flaky-Test-Automation  Tests
 #1495 opened Nov 02, 2021 by petermetz

> build(codegen): fix flake when core-api codegen skipped
 good-first-issue  help wanted  dependencies  Developer_Experience  Triage_Needed  Hacktoberfest  good-first-issue-400-expert  Flaky-Test-Automation  Tests
 #1487 opened Oct 27, 2021 by petermetz
> test(connector-corda): fix flaky deploy-cordapp-jars-to-nodes test

*bug*  
good-first-issue
  
help wanted  
Corda  
Hacktoberfest  
good-first-issue-400-expert  
Flaky-Test-Automation  
Tests

#1485 opened Oct 27, 2021 by petermetz

> build: upgrade to Node 16 LTS (16.13.0)

*enhancement*  
good-first-issue  
API_Server

Nice-to-Have  
dependencies  
Security  
Developer_Experience  
Hacktoberfest  
good-first-issue-300-advanced  
Tests

#1483 opened Oct 26, 2021 by petermetz

> test(connector-corda): fix flaky v4.7 test

*good-first-issue*  
help wanted  
Corda  
dependencies

Developer_Experience  
Hacktoberfest  
good-first-issue-400-expert  
Flaky-Test-Automation  
Tests

#1473 opened Oct 22, 2021 by petermetz

> test(connector-fabric): fix flaky test 2.2.x deploy-cc-from-javascript

*bug*  
good-first-issue

help wanted  
dependencies  
Developer_Experience  
Hacktoberfest  
good-first-issue-400-expert  
Flaky-Test-Automation  
Tests

#1471 opened Oct 21, 2021 by petermetz

> test(connector-corda): fix flaky v4.8 test

*bug*  
good-first-issue  
help wanted  
Corda  
dependencies

Developer_Experience  
Hacktoberfest  
good-first-issue-400-expert  
Flaky-Test-Automation  
Tests

#1469 opened Oct 21, 2021 by petermetz

> docs(examples): supply-chain-app to copy env into child containers

*bug*  
documentation

good-first-issue  
Security  
Developer_Experience  
Triage_Needed  
Hacktoberfest  
dependent  
good-first-issue-400-expert  
P2

#1468 opened Oct 21, 2021 by petermetz

> fix(key-converter): Files needs to migrated from Tape to Jest

*bug*  
good-first-issue

help wanted  
Nice-to-Have  
dependencies

Developer_Experience  
Hacktoberfest  
good-first-issue-400-expert

#1461 opened Oct 18, 2021 by awadhana
> feat: support for M1 macs (arm64)
documentation enhancement good-first-issue SPIKE Nice-to-Have dependencies Developer_Experience Hacktoberfest good-first-issue-400-expert
#1438 opened Oct 05, 2021 by jsladerman

> docs: add cross-references to BUILD.md and CONTRIBUTING.md
documentation enhancement good-first-issue Hacktoberfest good-first-issue-100-introductory vGHC-OSD
#1394 opened Oct 01, 2021 by Nancy8

> test(connector-besu): fix missing multi-party all-in-one ledger image caching
bug good-first-issue help wanted Nice-to-Have dependencies Developer_Experience Performance Hacktoberfest good-first-issue-400-expert
#1386 opened Sep 28, 2021 by petermetz

> fix(plugin-htlc-eth-besu): error handling get-status-endpoint
bug good-first-issue
API_Server Besu Developer_Experience Hacktoberfest dependent
good-first-issue-300-advanced
#1383 opened Sep 24, 2021 by petermetz

> fix(plugin-htlc-eth-besu): error handling get-single-status-endpoint
bug good-first-issue
Besu Developer_Experience Hacktoberfest
good-first-issue-300-advanced
#1382 opened Sep 24, 2021 by petermetz

> fix(plugin-htlc-eth-besu-erc20): error handling get-single-status-endpoint
bug good-first-issue
API_Server Besu Developer_Experience
good-first-issue-300-advanced
#1380 opened Sep 24, 2021 by petermetz

> fix(plugin-htlc-eth-besu-erc20): error handling get-status-endpoint
bug good-first-issue
API_Server Besu Developer_Experience
good-first-issue-300-advanced
#1379 opened Sep 24, 2021 by petermetz

> [EPIC] fix: error handling in REST API endpoints
bug documentation good-first-issue
API_Server Developer_Experience Hacktoberfest Core_API Epic good-first-issue-400-expert
#1351 opened Sep 20, 2021 by petermetz

#1353 opened Sep 20, 2021 by petermetz

#1354 opened Sep 20, 2021 by petermetz

#1355 opened Sep 20, 2021 by petermetz

#1356 opened Sep 20, 2021 by petermetz

#1357 opened Sep 20, 2021 by petermetz

#1358 opened Sep 20, 2021 by petermetz

#1359 opened Sep 20, 2021 by petermetz

#1361 opened Sep 20, 2021 by petermetz

#1362 opened Sep 20, 2021 by petermetz
refactor(containers): migrate all images to ubuntu-20.04

docs(ci): debugging on CI server through ssh with VScode debugger

fix(iroha-connector): make compareAndSetAccountDetail accept correct parameters

feat(iroha-connector): implement gRPC TLS communication for Iroha connector

fix(iroha-connector): make Iroha AIO healthcheck with curling the iroha metric page

feat(iroha-connector): make Iroha AIO a single node setup with an in-memory database

fix(iroha-connector): fix and test Iroha command Call Engine

feat(connector-iroha): replace iroha docker AIO healthcheck with curling the iroha metric page

fix(iroha-connector): make compareAndSetAccountDetail accept correct parameters

style: 2021-09-20 linter warnings batch 1 / 26
> **refactor(cmd-api-server):** migrate from convict to yargs
> documentation enhancement
good-first-issue API_Server dependencies
Developer_Experience good-first-issue-300-advanced
#1200 opened Aug 10, 2021 by petermetz

> **test(test-tooling):** fix flaky corda-test-ledger boot hangs
> dependencies Hacktoberfest
good-first-issue-400-expert Flaky-Test-Automation Tests P5
#1159 opened Jul 22, 2021 by petermetz

> **test: coverage upload crash outside GHA runners**
> dependencies
Developer_Experience good-first-issue-300-advanced
#1154 opened Jul 21, 2021 by petermetz

> **build: migrate to Yarn v3**
good-first-issue Help Wanted
dependencies
Developer_Experience Hacktoberfest good-first-issue-400-expert
#1142 opened Jul 16, 2021 by petermetz

> **build(deps): upgrade to Typescript v4.4**
good-first-issue Nice-to-Have dependencies
Developer_Experience Hacktoberfest Epic
good-first-issue-200-intermediate
#1129 opened Jul 13, 2021 by petermetz

> **feat(keychain-google-sm):** bootstrap README.md
> documentation good-first-issue
Keychain good-first-issue-400-expert P3
#1096 opened Jun 28, 2021 by jagpreetsinghsasan

> **feat(connector-fabric):** external chain code deployment
> enhancement good-first-issue Fabric
Triage_Needed Hacktoberfest
good-first-issue-300-advanced
#916 opened May 04, 2021 by petermetz

> **docs(examples):** carbon accounting microk8s deployment files
> documentation
good-first-issue dependencies Developer_Experience
> **feat(connector-fabric): pre-signed transactions support**
  
  enhancement
  good-first-issue Fabric Security Hacktoberfest
  
  #481 opened Jan 13, 2021 by petermetz

> **meta: categorize good first issues by experience level**
  
  Developer_Experience
  
  #811 opened Apr 18, 2021 by petermetz

> **feat(consortium-indy): support consortium database indy backend**
  
  enhancement
  good-first-issue Hacktoberfest Core_API
good-first-issue-400-expert P3
  
  #675 opened Mar 16, 2021 by petermetz

> **fix(connector-fabric): mandate ssh host key verification**
  
  bug good-first-issue Fabric Security Hacktoberfest
  
  #663 opened Mar 12, 2021 by petermetz

> **test(examples): puppeteer GUI tests for supply chain frontend**
  
  enhancement
  good-first-issue Nice-to-Have dependencies
  Developer_Experience Hacktoberfest
good-first-issue-300-advanced
  
  #650 opened Mar 10, 2021 by petermetz

> **Containerize connector plugins**
  
  enhancement
  good-first-issue API_Server Fabric Quorum Corda Besu Developer_Experience Hacktoberfest Epic
  
  #545 opened Feb 05, 2021 by petermetz

> **docs(contributing.md): explain watch script**
  
  documentation enhancement good-first-issue
  Developer_Experience Hacktoberfest
  
  #521 opened Jan 29, 2021 by petermetz

> **build(docker): support ARM64**
  
  enhancement
  good-first-issue help wanted API_Server Nice-to-Have dependencies Developer_Experience Hacktoberfest
  
  #481 opened Jan 13, 2021 by petermetz
Hyperledger Cactus is currently undergoing a major refactoring effort to enable the desired to-be architecture which will enable plug-in based collaborative development to increase the breadth of use cases & Ledgers supported.

For a better understanding of where Hyperledger Cactus is heading please see the Whitepaper and Design Principles below!
Documentation

- Whitepaper
- Original Design Principles Google Doc

Project Management

Hyperledger Cactus uses GitHub Issues to track work items.

Repositories

Hyperledger Cactus uses GitHub for source code control.

- Main repo

History

- Approved by the TSC on 30 APR 2020
- Proposal the TSC voted on

Recent space activity

Izuru Sato
2022-10-03 Cactus Maintainers Agenda - CANCELLED updated Oct 04, 2022 • view change

Jagpreet Singh Sasan
2022-09-20 Cactus Maintainers Agenda commented Sep 20, 2022
2022-08-30 Cactus Maintainers Agenda updated Sep 20, 2022 • view change
2022-09-20 Cactus Maintainers Agenda created Sep 20, 2022

Sean Bohan
Hyperledger Cactus Home updated Sep 08, 2022 • view change

Space contributors

- Izuru Sato (8 days ago)
- Jagpreet Singh Sasan (22 days ago)
- Sean Bohan (34 days ago)
- Peter Somogyvari (58 days ago)
- Takuma Takeuchi (64 days ago)
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