# Hyperledger Cacti Home

| Proje<br>ct     |  | Ye<br>th<br>wa |
|-----------------|--|----------------|
| Status          | GRADUATED  |                |
| CII<br>Badge    | blocked URL  |                |
| Descr<br>iption | Hyperledger Cacti is a plugin-based framework which aims to provide developers with an abstraction over protocol specific implementations and enabling interoperability. |                |
|                 | This enables solutions to adapt to new protocols and make transactions involving multiple public and/or permissioned ledgers more easily.                                |                |

# **Key Characteristics**

### What is Hyperledger Cacti?

Cacti is a **pluggable enterprise-grade framework to transact on multiple distributed ledgers** without introducing yet another competing blockchain. An SDK of SDKs

Cacti aims to provide Decentralized, Adaptable and Secure Integration to and between Blockchain Networks. It's aims 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 Cacti?

- 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 Cacti 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 Cacti 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 Cacti should allow you to use all the features which the protocol enables.
  - Horizontal Scalability: Cacti should never be the bottleneck of all the networks involved. IE: If 2 networks can do 100tps, Cacti should be able to handle 200

### What are Cacti current features?

- **Connectors** for different blockchain protocols
  - Hyperledger Besu, Hyperledger Fabric, (WIP for Corda, Geth, and Quorum)
     Atomic transfers across legers
- HTLCs for Ether, ERC20 (WIP Fabtoken)
   Decoupled identity
  - JWT, (WIP OpenAPI)
- Metrics
  - Prometheus and Grafana based monitoring of the individual plugins

## Getting Involved

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

- 1. Join one of our pair programming calls
  - a. North America Morning/Europe Evening
  - b. Asia-Pacific Morning/Europe Morning
- 2. Instructions on building Cacti (the framework itself)
- Join communication channels and introduce yourself and ask questions (details below)
- 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

• cactus@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 Cacti project channels.

# Meetings

https://lists.hyperledger.org/g/cactus /calendar

#### How can I collaborate?

To see a guide on how to use Hyperledger Cacti, 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 Cacti' 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.

#### 78 Open

0 Closed

Query: state=open&labels=good-first-issue

| ><br>tools/docker/supabase-all-in-one container does not build <mark>buggood-first-issue</mark> good-first-issue-  |
|--|
| 300-advanced<br>#3099 opened Mar 15, 2024 by rwat17  |
| 3  |
| >  |
| feat(openapi): java clients for packages affected by openapi bug <mark>good-first-issuehelp wantedDev</mark><br>eloper_ExperienceHacktoberfest <mark>good-first-issue-400-expert</mark>          |
| #2970 opened Jan 05, 2024 by jagpreetsinghsasan  |
| 3  |
| build: upgrade all test infrastructure container images to ubuntu-dind@v24.0.7good-first-issuede   |
| pendencies <mark>Security</mark> Hacktoberfestgood-first-issue-400-expertP3  |
| #2853 opened Oct 30, 2023 by petermetz   |
| 15<br>>  |
| fix(weaver): resource incorrect permission assignmentgood-first-issueSecurityHacktoberfestgood   |
| -first-issue-200-intermediate <mark>P4</mark> Weaver<br>#2769 opened Oct 11, 2023 by jagpreetsinghsasan  |
| 2  |
|  |
| fix(weaver): improper resource access authorizationgood-first-issueSecurityHacktoberfestgood-<br>first-issue-300-advancedP4Weaver  |
| #2768 opened Oct 11, 2023 by jagpreetsinghsasan  |
| 0  |
| Fix(test-tooling): use of hardcoded passwordgood-first-issue Security Hacktoberfestgood-first-<br>fix(test-tooling): use of hardcoded passwordgood-first-issue Security Hacktoberfestgood-first- |
| ssue-100-introductoryTestsP4   |
| #2766 opened Oct 11, 2023 by jagpreetsinghsasan<br>3   |
| >  |
| fix(plugin-htlc-coordinator-besu): missing HSTS Header <mark>good-first-issueSecurity</mark> Hacktoberfestgoo<br>d-first-issue-400-expertP3  |
| #2763 opened Oct 11, 2023 by jagpreetsinghsasan  |
| 3  |
| ><br>fix(connector-quorum/weaver): remove/encrypt sensitive datagood-first-issueQuorumSecurityHa   |
| cktoberfestP3Weaver  |
| #2762 opened Oct 11, 2023 by jagpreetsinghsasan  |
| 0  |
| tools(connector-besu): fix CVE-2022-21190 CVE-2023-36665 CVE-2022-2421 buggood-first-  |
| issueBesu <mark>Security</mark> Hacktoberfestgood-first-issue-400-expertP2<br>#2745 opened Oct 05, 2023 by zondervancalvez   |
| 4  |
|  |
| perf(github): add knob/flag to manually override CI skipgood-first-issueDeveloper_ExperienceTri<br>age_NeededPerformanceHacktoberfestgood-first-issue-300-advancedTestsP3backlog                 |
| #2679 opened Sep 10, 2023 by petermetz   |
| 0  |
| style(cmd-api-server): fix Unexpected any linter W in getOrCreateWebServices()good-first-issue   |
| API_ServerHacktoberfestgood-first-issue-100-introductoryP5backlog  |
| #2676 opened Sep 10, 2023 by petermetz   |
| 3  |
| ci(actionlint): fix the errors produced by the ActionLint toolbuggood-first-issueNice-to-Havedepen   |
| denciesDeveloper_ExperienceHacktoberfestgood-first-issue-400-expertTestsP4packlog<br>#2651 opened Aug 31, 2023 by petermetz  |
| #2001 Opened Aug 51, 2025 by petermetz   |

|   | per_Experiencegood-first-issue-100-introductors <mark>P3</mark><br>) opened Aug 31, 2023 by <u>petermetz</u>  |
|---|---|
|   | 0   |
|   | ><br>ci: break up ci.yaml into smaller workflow files - use workflow calls <mark>good-first-issueDeveloper_Exp</mark>   |
|   | ci: break up cl.yami into smaller worknow files - use worknow callsgood-first-issueDeveloper_cxt<br>erienceHacktoberfestgood-first-issue-400-expertP3backlog                                |
|   | #2639 opened Aug 24, 2023 by petermetz  |
| • | / >   |
|   | build(weaver): eliminate need for package-local.json manifestsgood-first-issuedependenciesDev   |
|   | eloper_Experiencegood-first-issue-400-expertP3Weaver<br>#2601 opened Aug 10, 2023 by petermetz  |
|   | 3   |
|   | ci(weaver): ensure yarn cache is populated by build-dev <mark>good-first-issuePerformance</mark> good-first-  |
|   | <mark>issue-400-expertTestsP2</mark> Weaver<br>#2600 opened Aug 10, 2023 by petermetz   |
|   | 0   |
|   | ><br>build(deps): persistently bump word-wrap from 1.2.3 to >=1.2.5 <mark>puggood-first-issuedependencies</mark>  |
|   | SecurityHacktoberfestgood-first-issue-400-expertP2  |
|   | #2569 opened Jul 24, 2023 by petermetz<br>0   |
| • | >   |
|   | test(cmd-api-server): fix install-basic-plugin-ledger-connector-quorum-0-7-0 <mark>buggood-first-issueA</mark><br>PI_ServerHacktoberfest <mark>good-first-issue-400-expertTestsP2</mark>    |
|   | #2545 opened Jul 08, 2023 by petermetz  |
|   | 0   |
|   | refactor(plugin-htlc-eth-besu): stop using the deprecated api.encodePackedgood-first-issueBesu  |
|   | Security Hacktoberfestgood-first-issue-300-advancedP4<br>#2531 opened Jul 02, 2023 by petermetz   |
|   | 2   |
|   | ><br>build(api-client): fix tsc errors of @types/jsonwebtoken verify call <mark>buggood-first-issuedependencie</mark>   |
|   | SecurityDeveloper_ExperienceHacktoberfestgood-first-issue-400-expertP3  |
|   | #2523 opened Jun 28, 2023 by petermetz<br>0   |
|   |   |
|   | buid(tsc): re-enable useUnknownInCatchVariables typescript compilerenhancementgood-first-<br>issueSecurityDeveloper_ExperienceHacktoberfestgood-first-issue-400-expertP2                    |
|   | #2463 opened Jun 16, 2023 by petermetz<br>3   |
| • | >   |
|   | docs(examples/supply-chain-app): print correct web host in the CLI logs <mark>bugdocumentationgood-</mark><br>first-issuegood-first-issue-300-advancedP2                                    |
|   | #2390 opened Apr 12, 2023 by petermetz  |
|   | 5   |
|   | ci(all-nodejs-packages-publish): restrict job trigger pattern to semver <mark>buggood-first-issuedepende</mark>   |
|   | ncies <mark>SecurityDeveloper_Experience</mark> Hacktoberfestgood-first-issue-200-intermediateP3Weaver<br>#2385 opened Apr 11, 2023 by petermetz  |
|   | 0   |
|   | ><br>build(deps): ensure persistent bump of openssl from 0.10.32 to 0.10.48 <mark>good-first-issuedependen</mark>   |
|   | cies Security Keychaingood-first-issue-300-advanced P3 usi  |
|   | #2365 opened Apr 04, 2023 by petermetz<br>3   |
| • | >   |
|   | ci(github): address Warning: The `save-state` command is deprecated <mark>good-first-issuedependenc</mark><br>iesTriage_NeededHacktoberfest <mark>good-first-issue-400-expertTestsP2</mark> |
|   | #2361 opened Apr 03, 2023 by petermetz  |
|   | 4   |
|   | perf(ci): only publish artifacts on git version tags of main <mark>good-first-issue</mark> SPIKE <mark>dependenciesDev</mark>   |
|   | eloper ExperiencePerformanceHacktoberfestgood-first-issue-400-expertP2<br>#2360 opened Mar 31, 2023 by petermetz  |
|   | #2360 opened Mar 31, 2023 by petermetz<br>0   |
|   | ><br>test(connector-iroha): fix flaky http 400 run-transaction-endpoint-v1.test.ts <mark>puggood-first-issue</mark> Hac   |
|   | ktoberfest <mark>good-first-issue-400-expert<mark>Iroha</mark>Flaky-Test-Automation<mark>TestsP4</mark></mark>  |
|   | #2343 opened Mar 24, 2023 by petermetz  |
| • | >   |
|   | chore(lint): enable ESLint for ./weaver/ <mark>good-first-issueDeveloper_Experience</mark> Triage_NeededHac   |
|   | ktoberfest <mark>good-first-issue-300-advancedP3Weaver</mark><br>#2308 opened Feb 27, 2023 by petermetz   |
|   |   |

٠ > build(dev-container): add gpg signing key supportenhancementgood-first-issueDevel enceHacktoberfestgood-first-issue-400-expertP4 #2209 opened Nov 21, 2022 by petermetz 0 > tools(besu-all-in-one): fix CVE-2022-37734puggood-first-issueNice-to-Have Hacktoberfestgood-first-issue-400-expert #2182 opened Nov 01, 2022 by petermetz 0 • > build(plugin-keychain-memory-wasm): upgrade OpenAPI generator to 5.2.1 good-first-issue eloper Experience Hacktoberfest Keychaingood #2181 opened Oct 31, 2022 by petermetz 1 ٠ > fix(test-tooling): rustc container memory is not defined buggood-first-issue Hacktoberf estgood-first-issue-400-expertFlaky-Test-AutomationTe #2104 opened Jun 30, 2022 by petermetz 0 > fix(security): vulnerabilities found in corda-4-6-all-in-onebuggood-first-issueC ecurityHacktoberfestgood-first-issue-300-advancedP4 #2065 opened Jun 01, 2022 by zondervancalvez > fix(security): vulnerabilities found in corda-4-8-all-in-onebuggood-first-issueCordad ritydependentgood-first sue-300-advanced<mark>P4</mark> #2064 opened Jun 01, 2022 by zondervancalvez 6 ٠ fix(security): vulnerabilities found in corda-4-7-all-in-onebuggood-first-issueCordad #2063 opened Jun 01, 2022 by zondervancalvez 1 > fix(security): vulnerabilities found in besu-all-in-one bugdocumentation good-first-issue Besu tyHacktoberfestgood-first-issue-300-advancedP4 #2055 opened Jun 01, 2022 by zondervancalvez 1 > developer experience: test ledgersdocumentationenhancementgood-first-issueDeveloper\_Expe enceHacktoberfestgood-fi #1924 opened Mar 14, 2022 by RafaelAPB 3 > docs: add org.opencontainers.image.description label to all imagesdocumentationenhancementg ood-first-issueNice-to-Have<mark>Developer\_Experience</mark>good-firs #1657 opened Dec 14, 2021 by petermetz 0 ٠ > refactor: use new node protocol importsgood-first-issuedepend Experienceaoo d-first-issue-200-intermediateP5 #1654 opened Dec 14, 2021 by petermetz 8 ٠ > fix(docs/examples): cockpitEnabled default value confusionbugdocument p wantedAPI\_ServerNice-to-Havedependence xperienceHacktoberfest -expertTestsP4 #1653 opened Dec 13, 2021 by petermetz 0 . > test(jest): fix jest-haste-map: Haste module naming collisionsgood-first-issueNice-to-Have oper\_ExperiencePerformanceHacktoberfestgoo #1645 opened Dec 08, 2021 by petermetz 1 > ci: custom check for package module,main,types,etc.enhancementgood-first-issuedepende Developer Experience Hacktoberfestgood-first-issue-400-expert P4 #1644 opened Dec 08, 2021 by petermetz . ci: enable caching of container image buildsenhancementgood-first-issue iesDeveloper\_ExperienceHacktoberfestgood-first-issue-400-expertFlaky-Test-AutomationTests #1567 opened Nov 23, 2021 by petermetz 0 ٠ >

|   | test: stabilize cactus-plugin-htlc-eth-besu-erc20 openapi validation - refundV1 <mark>buggood-first-issue<br/>nelp wanted</mark> Nice-to-HaveBesu <mark>Secunty</mark> Hacktoberfest <mark>good-first-issue-400-expert</mark> Flaky-Test-   |
|---|---|
| • | AutomationTestsP4<br>#1528 opened Nov 10, 2021 by petermetz<br>0  |
| • | test: fix flake in install-basic-plugin-ledger-connector-fabric-0-7-0.test.tspuggood-first-issuehelp<br>wantedAPI_ServerNice-to-HavedependenciesDeveloper_ExperienceHacktoberfestgood-first-<br>issue-400-expertFlaky-Test-AutomationTests<br>#1495 opened Nov 02, 2021 by petermetz<br>0 |
|   | <pre>&gt; test(connector-corda): fix flaky deploy-cordapp-jars-to-nodes test Duggood-first-issuehelp wanted CordaHacktoberfestgood-first-issue-400-expertFlaky-Test-AutomationTests #1485 opened Oct 27, 2021 by petermetz 0</pre>  |
| • | <pre>&gt; test(connector-corda): fix flaky v4.7 testbuggood-first-issuehelp wantedCordadependenciesDeve oper_ExperienceHacktoberfestgood-first-issue-400-expertFlaky-Test-AutomationTests #1473 opened Oct 22, 2021 by petermetz 2 &gt;</pre>   |
| • | test(connector-corda): fix flaky v4.8 testbuggood-first-issuehelp wantedCordaDeveloper_Experie<br>nceHacktoberfestgood-first-issue-400-expertFlaky-Test-AutomationTests<br>#1469 opened Oct 21, 2021 by petermetz<br>0  |
| • | fix(key-converter): Files needs to migrated from Tape to Jest buggood-first-issuehelp wantedNice<br>to-HavedependenciesDeveloper_ExperienceHacktoberfestgood-first-issue-400-experi<br>#1461 opened Oct 18, 2021 by awadhana  |
|   | feat: support for M1 macs (arm64) documentation enhancementgood-first-issue SPIKENice-to-<br>HavedependenciesDeveloper_Experience Hacktoberfestgood-first-issue-400-expert<br>#1438 opened Oct 05, 2021 by jsladerman<br>9  |
|   | docs: add cross-references to BUILD.md and CONTRIBUTING.md<br>docd-first-issueHacktoberfestmod-first-issue-100-introductomvGHC-OSD<br>#1394 opened Oct 01, 2021 by Nancy8<br>0  |
|   | test(connector-besu): fix missing multi-party all-in-one ledger image caching buggood-first-issue<br>elp wanted Nice-to-Havedependencies Developer_ExperiencePerformanceHacktoberfestgood-<br>first-issue-400-expertP3<br>#1386 opened Sep 28, 2021 by petermetz                          |
| • | 0<br>><br>fix(plugin-htlc-eth-besu): error handling get-status-endpointbuggood-first-issueAPI_ServerBesuD<br>eveloper_ExperienceHacktoberfestdependentgood-first-issue-300-advanced<br>#1383 opened Sep 24, 2021 by petermetz<br>1  |
| • | <pre>&gt; fix(plugin-htlc-eth-besu): error handling get-single-status-endpointbuggood-first-issueBesuDevel pper_ExperienceHacktoberfestgood-first-issue-300-advanced #1382 opened Sep 24, 2021 by petermetz 1</pre>   |
| • | <pre>&gt; fix(plugin-htlc-eth-besu-erc20): error handling in get-single-status-endpointbuggood-first-issueAP L_ServerBesuDeveloper_Experiencegood-first-issue-300-advanced #1380 opened Sep 24, 2021 by petermetz 1</pre>   |
| • | <pre>&gt; fix(plugin-htlc-eth-besu-erc20): error handling in get-status-endpointbuggood-first-issueAPI_Serv erBesuDeveloper_Experiencegood-first-issue-300-advanced #1379 opened Sep 24, 2021 by petermetz 1</pre>  |
|   | [EPIC] fix: error handling in REST API endpoints pugdocumentationgood-first-issueAPI_ServerD<br>eveloper ExperienceHacktoberfestCore APIEpicgood-first-issue-400-expert<br>#1378 opened Sep 24, 2021 by petermetz<br>0  |
| • | <pre>&gt; fix(iroha-connector): make compareAndSetAccountDetail accept correct parameters buggood- first-issueDeveloper_Experience Significant_Change Hacktoberfestdependentgood-first-issue- 300-advancedIrohaP5 #1265 opened Aug 21, 2021 by hanxu12</pre>                              |
| • | 1 >   |

feat(iroha-connector): make Iroha AIO a single node setup with an in-memory databasegoodfirst-issueNice-to-HavePerformanceHacktoberfestgoo #1264 opened Aug 21, 2021 by hanxu12 0 . > feat(iroha-connector): replace iroha docker AIO healthcheck with curling the iroha metric pageen hancementgood-first-issueNice-to-HaveHacktoberfestgood-first-i #1263 opened Aug 21, 2021 by hanxu12 0 > fix(iroha-connector): fix and test Iroha command Call Engineenhancementgood-first-issue eHacktoberfestgood-firs #1256 opened Aug 20, 2021 by hanxu12 0 . > feat(connector-iroha): implement gRPC TLS communication for Iroha connectorbuggood-first-#1251 opened Aug 20, 2021 by hanxu12 ٠ > docs(ci): debugging on CI server through ssh with VScode debuggerdocum nenhancement #1245 opened Aug 19, 2021 by Leeyoungone 0 ٠ > refactor(containers): migrate all images to ubuntu-22.04enhancementgood-first-issueAPI\_Server rityDeveloper\_ExperienceHacktoberfestgood-first-issue-400-experi #1211 opened Aug 12, 2021 by petermetz 0 > refactor(cmd-api-server): migrate from convict to yargsdocumentationenhancementgood-firstissueAPI\_Serverdepend #1200 opened Aug 10, 2021 by petermetz 2 > . test(test-tooling): fix flaky corda-test-ledger boot hangs<mark>buggood-first-issueCo acktoberfestgood-first-issue-400-expert</mark>Flaky-Test-AutomationTestsP5backlo #1159 opened Jul 22, 2021 by petermetz 1 > feat(keychain-google-sm): bootstrap README.mddocumentationgood-first-issueKeychaingood-#1096 opened Jun 28, 2021 by jagpreetsinghsasan 2 ٠ > feat(test-tooling): flag to omit contract deployment in Fabric AIO containergood-first-issueFabricd oper Experience Hacktoberfest good-first-issue-300-adva #887 opened Apr 29, 2021 by petermetz 0 > docs(examples): carbon accounting microk8s deployment files documentation good-first-issue Developer\_ExperienceHacktoberfestGFI\_Climate\_Ac #860 opened Apr 24, 2021 by petermetz 2 > meta: categorize good first issues by experience levelgood-first-issueDeveloper\_Experience #811 opened Apr 18, 2021 by petermetz 0 feat(consortium-indy): support consortium database indy backendenhancementgood-first-issueH acktoberfest expertP3 #675 opened Mar 16, 2021 by petermetz 0 fix(connector-fabric): mandate ssh host key verificationbuggood-first-issueFabricSecurityHacktob erfest #663 opened Mar 12, 2021 by petermetz 0 > Containerize connector pluginsenhancementgood-first-issueAPI\_ServerFabric eveloper\_ExperienceHacktoberfestEpic #545 opened Feb 05, 2021 by petermetz 0 > build(docker): support ARM64enhancement<mark>good-first-issuehelp wanted</mark>API\_ServerNice-to-Have dependenciesDeveloper\_ExperienceHacktoberfestgood-first-issue-400-expertP2 #481 opened Jan 13, 2021 by petermetz 0

| build(npm): post version script to sync openapi specs <mark>documentation</mark> good-first-issueNice-to-Have |  |
|---|--|
| dependenciesDeveloper_ExperienceHacktoberfest <mark>good-first-issue-300-advanced</mark>                      |  |
| #479 opened Jan 13, 2021 by petermetz   |  |
| 0   |  |
| • >   |  |
| build(api-client); generate java, go clientsenhancementgood-first-issueNice-to-Havedependencies               |  |
| Developer ExperienceHacktoberfest   |  |
| #393 opened Nov 20, 2020 by petermetz   |  |
| 8   |  |
| • •   |  |
| test(test-tooling): dummy consortium definition generatorenhancementgood-first-issueNice-to-                  |  |
| Have Developer_Experience Hacktoberfest   |  |
|   |  |
| #316 opened Oct 15, 2020 by petermetz   |  |
| 0   |  |
| • >   |  |
| test: migrate from test runner tap to jestouggood-first-issueNice-to-HavedependenciesHacktober                |  |
| festgood-first-issue-200-intermediateTestsP4backlog   |  |
| #238 opened Jul 24, 2020 by petermetz   |  |
| 5   |  |
| с.<br>С   |  |

Hyperledger Cacti 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 Cacti is heading please see the Whitepaper and Design Principles below!

## **Documentation**

- Whitepaper
- Original Design Principles Google Doc

# **Project Management**

Hyperledger Cacti uses GitHub Issues to track work items.

# **Repositories**

Hyperledger Cacti 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

Peter Somogyvari 2024-04-17 Cacti Maintainers Agenda created Apr 12, 2024



**Rafael Belchior** Draft: Quarterly Report 2024 Q1 Hyperledger Cacti updated Apr 05, 2024 view change 2024-04-10 Cacti Maintainers Agenda created Apr 05, 2024

### Space contributors

- Peter Somogyvari (5 days ago)
- Rafael Belchior (11 days ago)
  David Boswell (208 days ago)
- Sean W. Bohan (256 days ago) • Ry Jones (272 days ago)
- ٠

2024-04-03 Cacti Maintainers Agenda created Apr 02, 2024 2024-03-27 Cacti Maintainers Agenda created Mar 27, 2024