Hyperledger Fabric

Hyperledger Fabric is intended as a foundation for developing applications or solutions with a modular architecture. Hyperledger Fabric allows components, such as consensus and membership services, to be plug-and-play. Its modular and versatile design satisfies a broad range of industry use cases. It offers a unique approach to consensus that enables performance at scale while preserving privacy.

Key Characteristics

High-performance, secure, permissioned blockchain network. Code written in Go, chaincode (smart contracts) in Go, Javascript, or Java, SDKs in Node.js, Java, Go, REST and Python.

Development Roadmap

- Hyperledger Fabric Release Roadmap
- Fabric Release Planning Dashboard

Resources

- Welcome to Hyperledger Fabric - Details on how to get started
- Main documentation
- Getting Started for application developers
- Contributing to Fabric and related sub-projects
- Coding Guidelines
- Design docs
- Meeting notes
- Videos on YouTube for Hyperledger Fabric. Includes informational and playbacks. Subscribe to be automatically notified when new videos are posted.
- Getting Started in CI - Debugging CI jobs failures
Project Management

- Jira Dashboard
- Jira Navigation will show you how to see the work in progress and track all issues.

Repository

- GitHub

Releases

- The Hyperledger Fabric Roadmap outlines the themes for the next two releases, and the specific feature JIRA items for the next release.
- Fabric Release Exit Criteria details our release checklist
- Fabric Release Process details the process for cutting a release
- Fabric Release history provides the list of releases
- Fabric Quality Assurance (QA) - Test Strategy, Test cases, and Reports

Links

- Documentation - extensive documentation, tutorials, reference, architectural concepts
- GitHub mirror
- JIRA issues and roadmap
- Stackoverflow Q&A
- RocketChat
- Mailing list
- Fabric Maintainers

Communication

Mailing List

fabric@lists.hyperledger.org

- Subscribe
- Archives

Chat

Hyperledger uses RocketChat, an open source Slack alternative, for communication purposes. Note as with other tools, you will need a Linux Foundation ID to login to our Chat instance.

- #fabric
- #fabric-ca
- #fabric-chaincode-dev
- #fabric-chaintool
- #fabric-ci
- #fabric-ci-scrum
- #fabric-connect-a-cloud
- #fabric-crypto
- #fabric-dev-env
- #fabric-documentation
- #fabric-evm
- #fabric-gossip
- #fabric-java-chaincode
- #fabric-kubernetes
- #fabric-ledger
- #fabric-maintainers
- #fabric-orderer
- #fabric-orderer-dev
- #fabric-peer-endorser-committer
- #fabric-playbacks
- #fabric-pr-review
- #fabric-quality
- #fabric-questions
- #fabric-release
- #fabric-samples
- #fabric-scrum
- #fabric-sdk
Meetings

- Discussions are conducted on the fabric@lists.hyperledger.org (see above) mailing list and in Rocket Chat, to allow for community-wide participation.
- Playbacks are conducted for contributors to show regular progress and get feedback from the community. Agenda and dates can be found here.
- Past meeting recordings can be found in the Hyperledger Fabric Meeting Recordings folder.
- There is a bi-weekly maintainers meeting every other Wednesday at 9 am ET held to review progress against a release and to do release planning and epic proposal reviews. Please consult the community calendar.

History

- Proposed by Christopher Ferris (IBM) and Tamas Blummer (DAH)
- Approved by the TSC on March 31, 2016
- Moved out of Incubation on March 2, 2017 - Request, TSC Approval

Recent space activity

- David Enyeart
  - Contributor Meetings 2021 updated Jul 30, 2021 • view change

- Ry Jones
  - Hyperledger Fabric updated Jun 02, 2021 • view change

- David Liu
  - Agendas: Fabric Application Developer Community Call Meetings commented May 27, 2021

- Mark S. Lewis
  - Hyperledger Fabric SDK Java updated May 21, 2021 • view change
  - Hyperledger Fabric SDK Node.js updated May 21, 2021 • view change

Space contributors

- David Enyeart (3 days ago)
- Ry Jones (61 days ago)
- Mark S. Lewis (74 days ago)
- Marcus Brandenburger (110 days ago)
- Julian Castrence (152 days ago)
- ...