Blockchain Automation Framework lab

Blockchain Automation Framework (BAF) is a Hyperledger Labs project that is creating an automation framework for rapidly and consistently deploying production-ready DLT platforms. Learn more in this short 7 minute video.

You are welcome to get involved!

Hyperledger, as part of the Linux Foundation, is an open source community and anyone who is interested is welcome to use the code, talk to others in the community and make contributions to this project.

Some useful links to get you started:
- Blockchain Automation Framework GitHub wiki
- Blockchain Automation Framework technical documentation
- Blockchain Automation Framework chat channel
- Blockchain Automation Framework Learning map

Let us make your contribution journey easier.

First become a user - deploy your DLT network using BAF

Use the following flow to navigate the available resources.

The above pathway would help you to deploy a DLT/Blockchain network on a chosen cloud infrastructure using BAF.

Now that you have used it, you can have a look at a list of “Good First Issues” and start contributing.

We will be excited to see you contribute !!!!

How to Get Involved

This is an open source project and anyone is welcome to get involved and we will be happy to see you contribute.

1) Read our Contribution guide
2) Look through our Good First Issue list below
3) Choose an issue that you want to pick and comment on it so that a Maintainer can assign you to that task
4) Follow the Pull Request process and raise a PR
5) The code will be reviewed by our Maintainers and merged

Have any questions?

If you have any questions about using or contributing to the project, join our chat channel. Feel free to introduce yourself and ask your questions at:

- #blockchain-automation-framework

New to Hyperledger? You’ll need a Linux Foundation ID (LFID) to edit our wiki pages and chat on Hyperledger channels. Here’s how to get your LFID.

Do you want to use BAF for clients? Would you like to collaborate on the roadmap, architecture, automation or documentation to make it better, more useful?

We will be excited to take your interest forward. Follow the Contact Us to connect with the current Maintainers of the project.
Good First Issues

Take a look at the good first issues below or on our Github issue tracker. If there is an issue you are interested in, simply comment on it so that a Maintainer can assign you to that task.

36 Open 0 Closed  
Query: labels=good-first-issue&is:open

> Integrate Ambassador proxy certificates with PKI-tool certificates for Corda Enterprise  
Enterprise-Corda good-first-issue  
#996 opened Sep 07, 2020 by sownak

> Add Quorum express-app image build in CircleCI  
Cl good-first-issue quorum  
#744 opened Jun 04, 2020 by sownak

> Add baf-build image build in CircleCI Cl  
good-first-issue  
#743 opened Jun 04, 2020 by sownak

> Add Indy image build in CircleCI Cl  
good-first-issue indy  
#742 opened Jun 04, 2020 by sownak

> Add Corda image build in circle ci Cl  
good-first-issue corda  
#741 opened Jun 04, 2020 by sownak

> Add Quorum smartcontract static tests in CircleCI Cl  
good-first-issue quorum  
#740 opened Jun 04, 2020 by sownak

> Add Application molecule tests in CircleCI Cl  
good-first-issue  
#738 opened Jun 04, 2020 by sownak

> Add Identity-app molecule tests  
good-first-issue indy molecule-test  
#737 opened Jun 04, 2020 by sownak

> Add Supplychain-app molecule tests  
good-first-issue molecule-test  
#736 opened Jun 04, 2020 by sownak

> Add Quorum molecule tests in CircleCI Cl  
good-first-issue quorum  
#735 opened Jun 04, 2020 by sownak

> Integrate Ambassador proxy certificates with PKI-tool certificates for Corda Enterprise  
Enterprise-Corda good-first-issue  
#996 opened Sep 07, 2020 by sownak
> Add Indy molecule tests in CircleCI

> Add node-endorser molecule test scenario in Indy

> Add crypto molecule test scenario in Indy

> Add auth_job molecule test scenario in Indy

> Add default molecule test scenario in Indy

> Add constellation molecule test scenario in Quorum

> Add tessera molecule test scenario in Quorum

> Add crypto-raft molecule test scenario in Quorum

> Gradle upgrade to latest version 6.4.1

> Use BAF release numbers to tag Indy docker images created in BAF

> Add config block molecule test scenario in Fabric

> Add chaincode molecule test scenario in Fabric
Create crypto and chart for deploying Hyperledger Besu node with clique consensus mechanism.

Create crypto and chart for deploying Hyperledger Besu node with ethash consensus mechanism.

Manually deploy Hyperledger Besu on Kubernetes cluster using the charts for Clique and Ethash.

Add reset-network molecule test scenario in Corda.

Add docker creds section in network.yml as optional in Hyperledger Indy.

Add docker creds section in network.yml as optional in R3 Corda.

Add docker creds section in network.yml as optional in Hyperledger Fabric.

Make docker creds section in network.yml as optional in Quorum.

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Make docker creds section in network.yml as optional in Hyperledger Fabric.

Add channels molecule test scenario in Fabric.

Add cordapps molecule test scenario in Corda.

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Add reset-network molecule test scenario in Corda.
> Run BAF Quorum IBFT+Tessera on minikube
#458 opened Mar 13, 2020 by sownak

> Test private transactions with Tessera having TLS mode ON
#386 opened Feb 23, 2020 by suvajit-sarkar

> Update Fabric network to support Policies
#49 opened Oct 29, 2019 by sownak

> Store and retrieve Vault token from Ansible secrets
#41 opened Oct 29, 2019 by sownak