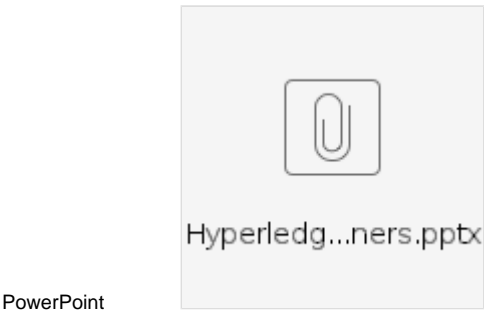


# Hyperledger Labs

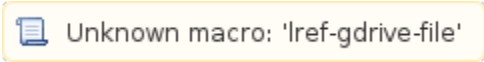
## Current Projects

<div><div></div><div></div><div></div></div> <div>Starter Kit for HL Learners</div>	<div><div></div><div></div><div></div></div> <div>E-Thaler</div>	<div><div></div><div></div><div></div></div> <div>BAF</div>	<div><div></div><div></div><div></div></div> <div>BIF</div>	<div><div></div><div></div><div></div></div> <div>Avalon SDK Python</div>	<div><div></div><div></div><div></div></div> <div>Besu Operator</div>	<div><div></div><div></div><div></div></div> <div>Blockchain Verifier</div>	<div><div></div><div></div><div></div></div> <div>Business Partner Agent</div>	<div><div></div><div></div><div></div></div> <div>Byzantine-Config</div>	<div><div></div><div></div><div></div></div> <div>Citizens Pulse</div>	<div><div></div><div></div><div></div></div> <div>Convector Framework</div>	<div><div></div><div></div><div></div></div> <div>Easy Doser</div>	<div><div></div><div></div><div></div></div> <div>Fabex</div>	<div><div></div><div></div><div></div></div>
<div><div></div><div></div><div></div></div> <div>Hyperledger Fabric Block Archiving</div>	<div><div></div><div></div><div></div></div> <div>Hyperledger Fabric Haskell Chaincode</div>	<div><div></div><div></div><div></div></div> <div>Hyperledger Fabric Private Chaincode</div>	<div><div></div><div></div><div></div></div> <div>Hyperledger Fabric WebAssembly chaincode</div>	<div><div></div><div></div><div></div></div> <div>Keyhole Fabric API Gateway</div>	<div><div></div><div></div><div></div></div> <div>blockchain-carbon-accounting</div>	<div><div></div><div></div><div></div></div> <div>MinBFT</div>	<div><div></div><div></div><div></div></div> <div>Minifabric</div>	<div><div></div><div></div><div></div></div> <div>Modern Pharmacy Management</div>	<div><div></div><div></div><div></div></div> <div>Nephos</div>	<div><div></div><div></div><div></div></div> <div>Perun</div>	<div><div></div><div></div><div></div></div> <div>Pluggable Hedera Consensus Service</div>	<div><div></div><div></div><div></div></div> <div>Private Data Objects</div>	<div><div></div><div></div><div></div></div>
<div><div></div><div></div><div></div></div> <div>Trusted Compute Framework</div>	<div><div></div><div></div><div></div></div> <div>Umbra</div>	<div><div></div><div></div><div></div></div> <div>University Course Fabric</div>	<div><div></div><div></div><div></div></div> <div>Dancap</div>	<div><div></div><div></div><div></div></div> <div>fabric-server-node</div>	<div><div></div><div></div><div></div></div> <div>private-transaction-families</div>	<div><div></div><div></div><div></div></div> <div>solang</div>	<div><div></div><div></div><div></div></div> <div>xcsi</div>						

Starter Kit for Hyperledger Learners:



PowerPoint



Demo  
<https://hltool.knowledgesociety.tech>

Hyperledger can help build communities by gathering people sharing a common interest in developing blockchain related software.

However, the only way to currently do so is to submit a HIP and launch a formal project in Incubation. This is a relatively heavy process which implies a level of endorsement by Hyperledger that is not suitable for cases where projects **are immature from a code-complete, production-quality, or community building perspective, or experimental.**

[hyperledger-labs.github.io](https://hyperledger-labs.github.io)

Fork to get Started

LMDWG Sponsors Hyperledger Starter Kit for demoing POC's .

<https://github.com/ravinayag/HL-StarterKit>

## Testers

Name	Email	Test Task	Test Results
Ravi	<a href="mailto:ravinayag@gmail.com">ravinayag@gmail.com</a>	fabric1.4 & 2.2, Single host, Docerswarm, Kubernetes deployment	PASSED
		Multichannel creation and chain code deployment on different channels	
		Test Caliper	
Bobbi	<a href="mailto:bobbi@ledgeracademy.com">bobbi@ledgeracademy.com</a>	Test Besu, Sawtooth, Explorer, Pre- Requisite emailer	IN PROGRESS
		Fabric	

1. Steps for Testers:  
Open the Starter Kit: <https://hltool.knowledgesociety.tech/>
2. Follow Login Instructions: un: term, pw: term123
3. Starter Kit for Hyperledger Learners:



PowerPoint



Unknown macro: 'lref-gdrive-file'

### Demo

<https://hltool.knowledgesociety.tech>

Hyperledger can help build communities by gathering people sharing a common interest in developing blockchain related software.

However, the only way to currently do so is to submit a HIP and launch a formal project in Incubation. This is a relatively heavy process which implies a level of endorsement by Hyperledger that is not suitable for cases where projects **are immature from a code-complete, production-quality, or community building perspective, or experimental.**

[hyperledger-labs.github.io](https://hyperledger-labs.github.io)

Fork to get Started

**Would like to contribute..?**

**--Join us**

## Current Projects

Issue: Getting Starter Kit into Labs	Issue	Status	
--------------------------------------	-------	--------	--

<p>Motivation</p> <p>Labs will</p> <p>1) lower the pressure on the TSC to start new projects</p> <p>2) allow for work to be done within a legal framework that eases the transition to a project in Incubation in cases where this ends up being the chosen path for the lab.</p> <p>In particular, this includes enforcement of the use of the Apache Software License and sign-offs on all contributions.</p> <p>This new space will allow teams to experiment with new frameworks or new modules without the promise of stable code or MVP. It is a space suitable for innovation and testing of ideas.</p>	<p>This new space will allow teams to experiment with new frameworks or new modules without the promise of stable code or MVP.</p> <p>It is a space suitable for innovation and testing of ideas.</p> <p>--- <b>ANS:</b> Im working on a test to ensure the code is stable before the push to lab repository.</p>		
<h2>Proposals</h2> <p>To submit a new proposal, please follow the process outlined at <a href="#">Hyperledger Labs</a>. The lab proposal must meet the following:</p>			
<p>1. The scope of the proposed lab fits within Hyperledger's mission;</p>			
<p>1. The proposed name is appropriate (e.g., not too generic, confusing, or conflicting with other labs or projects, etc);</p>	<ul style="list-style-type: none"> <li><b>Here are my suggested Lab Names</b></li> </ul> <p>Hyperledger CLI StarterKit</p> <p>Hyperledger LearnersKit</p> <p>Hyperledger Microservices kit</p>		
<p>1. Proposers have a Sponsor (i.e. a maintainer of one of the Hyperledger projects, a TSC member or a WG chair);</p>	<p>---- <b>ANS:</b> based on our last call, Primary sponsor would be Bobbi and Second sponsor would be Tracy</p>	<p>Sponsors do not have a responsibility beyond this; ongoing work like contributing code or reviews is not tied to their role as sponsors. In reviewing the proposal, the sponsor(s) <b>make sure that the proposal is cogent, and novel (in conception, proposed execution, or interested community)</b>. To find sponsors</p> <p>a. the proposers can use their connections to existing projects and ask maintainers</p> <p>b. find working groups or projects with affinities to the proposed lab and pitch the project (good to have the template already filled out) in associated channels and or mailing lists.</p> <p>The WG chairs emails, the maintainers contacts etc. can be found on the wiki or github. Make personal appeals if you can.</p>	<p>Bobbi Muscara</p> <p>Sponsor / TSC committee Member</p> <p>Tracy Kuhrt</p> <p>TSC / Lab Steward</p>
<p>1. Proposers need to be active members of the Hyperledger technical community (as defined in Section 4.a.ii of the <a href="#">Hyperledger Charter</a>).</p>	<ul style="list-style-type: none"> <li>--- <b>ANS :</b> I'm part of fabric contributor, India chapter, LMDWG team in Hyperledger Umbrella. Will that be considered as an active member proposer ...?</li> </ul>		

layout	title	parent
default	Lab Proposal Starter Kit	Labs

## Lab Name

*Starter Kit ( Pick your experience)*

## Short Description

The \_\_\_\_\_ configurator tool developed under Shell scripting, for learners and developers who would like to learn Hyperledger frameworks with different Customized Configurations instantly.

Instantly you can create docker-compose templates. Product owners can leverage this tool at any point in time for prototypes.

**Provide a short description of your lab. This will be used for the Github repository's description.**

## Scope of Lab

Enter the scope of the lab. This should include enough information to allow the Lab stewards to understand how it fits within Hyperledger's mission. Hyperledger mission: fits in how? **to allow easy of entry into .... Set up POC easily**

- 1, A customized Names with Domain, ORG's ,Orderer's ,Peer's and CA's
- 2, UnLimited for Orgs's, Orderers, Peers, and CA's
- 3, Unlimited Channel Names, (Privatechannel)
- 4, Toggle Between Consensus type , Versions
- 5, Test your configuration by network deployment ( single hosting / docker-swarm / kubernatees )
- 6, Choice to select the Hyperledger framework and tools.
- 7, Choice to chooses the sample chaincodes for testing
- 8, Deploy custom chaincodes on your choice.

## Initial Committers

Enter the Github IDs for the set of initial committers.

- [https://github.com/<user\\_id1>](https://github.com/<user_id1>)
- [https://github.com/<user\\_id2>](https://github.com/<user_id2>)
- ...

## Sponsor

Provide the name of your sponsor. A sponsor is required and must be a maintainer of one of the Hyperledger projects, a TSC member, or a WG chair.

- [https://github.com/<user\\_id>](https://github.com/<user_id>) or Name (bobbi@LedgerAcademy.com) - Role TSC Member

## Pre-existing repository

If you currently have a Github repository that you wish to transfer to the Hyperledger Labs organization, please provide a link here. **NOTE: Please refer to the README for additional information on existing repositories.**

- [https://github.com/<your\\_repo>](https://github.com/<your_repo>)



Examples of possible labs: projects too early for TSC approval as an incubator because there's not a lot of code; demos; documentation examples; sample code from hackathons, research projects, etc.

Hyperledger Labs have similarities with the Apache Labs and the W3C Community Groups.

# Proposals

To submit a new proposal, please follow the process outlined at [Hyperledger Labs](#). The lab proposal must meet the following:

1. The scope of the proposed lab fits within Hyperledger's mission;
2. The proposed name is appropriate (e.g., not too generic, confusing, or conflicting with other labs or projects, etc);
3. Proposers have a Sponsor (i.e. a maintainer of one of the Hyperledger projects, a TSC member or a WG chair);
4. Proposers need to be active members of the Hyperledger technical community (as defined in Section 4.a.ii of the [Hyperledger Charter](#)).

You can find all Hyperledger Lab approved proposals at <https://github.com/hyperledger-labs/hyperledger-labs.github.io/labs>. You can also look at the [pull requests](#) for all submitted proposals.

## Archiving

Stewards are responsible for curating the set of labs, moving to an archives space (see below) those that become dormant or unresponsive for an extended period (6+ months), or are explicitly deemed by the committers to be deprecated/obsoleted.

Deprecated, obsoleted, or dormant labs (as defined above) will be moved to a GitHub org "hyperledger-labs-archives" that signifies that the lab is no longer maintained. Labs in the archives are read-only, and they can be moved back out of the archives, if there is interest in reviving them.

## Repository

- <https://github.com/hyperledger-labs> - Github Organization

## Communication

### Mailing List

- [labs@lists.hyperledger.org](mailto:labs@lists.hyperledger.org) for general discussions on Hyperledger Labs ([subscribe](#) - [archives](#))