

openIDL NodeBuilder Workshop 2023

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GOALS

Our goal in this is to get everyone up to speed and "hands-dirty" with the code as we start moving to scale the network. At the end of the workshop series you should have a node and have connected it to the openIDL Testnet. All workshop sessions will be recorded.

CLASS CADENCE AND SCHEDULING

Our plan is to hold classes on the following cadence, starting next Monday 5/15:

Mon (Class): 3:30pm-5:30pm ET

Tues (Office Hours): 2pm-4pm ET

Weds (Class): 3pm-5pm ET

Thurs (Office Hours): 2pm-4pm ET

- We are recording and posting all sessions to the openIDL Wiki, as well as having Office Hours 2x a week in case you have questions or want feedback on your work.

May 2023				
Mon	Tues	Weds	Thurs	Fri
8	9	10	11	12
15 Introduction (1hr)	16 Office Hours (2 hrs)	17 AWS Setup1 (2 hr)	18 Office Hours (2 hrs)	19
22 AWS Setup 2 (2hrs)	23 Office Hours (2 hrs)	24	25	26
29	30	31		
June 2023				
Mon	Tues	Weds	Thurs	Fri
			1	2
5	6	7	8	9
12 Fabric Operator Setup	13 Office Hours (2 hrs)	14 Fabric Operator Deployment	15 Office Hours (2 hrs)	16
19 Intro to Fabric Console	20 Office Hours (2 hrs)	21 Configure and Deploy Node	22 Office Hours (2 hrs)	23
26 Join node to network & chaincode deploy	27 Office Hours (2 hrs)	28 Configure, deploy & setup openIDL apps (UIs)	29 Office Hours (2 hrs)	30

WORKSHOP PREREQUISITES

[Prerequisites for AWS](#)

MAILING LIST

You can join the mailing list (where our-of-workshop conversations and followup will happen) here: <https://lists.openidl.org/g/nodebuilderworkshop>

Workshop Recordings:

May 15, 2023: NodeBuilder 1: Kickoff

[Video](#)

[Audio](#)

May 17, 2023: NodeBuilder 2: AWS Setup (Provision resources and install AWX/Jenkins)

[Video](#)

[Audio](#)

May 22, 2023: NodeBuilder 3: Provision HLF and application k8s clusters and related AWS resources

[Video](#)

[Audio](#)

June 12, 2023: NodeBuilder 4: Fabric Operator Setup

[Video](#)

[Audio](#)

June 14, 2023: NodeBuilder 5: Fabric Operator Deployment

[Video](#)

[Audio](#)

June 19, 2023: NodeBuilder 6: Intro to Fabric Console

[Video](#)

[Audio](#)

CLASS SCHEDULE

The first class next Monday 5/15 will be the Introduction. Originally scheduled for an hour, we will hold it 2 times, once at 3:30pm ET and again at 4:30pm ET. You only need to attend one or the other - both will be recorded and posted to the wiki

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CURRICULUM

Topic	Session	Duration (hours)	Goal
Introduction	Introduction to the course (steps, timelines expectations, etc)	1	Understand the content of the course, its goals and timelines.
AWS setup	Provision resources and install AWX /Jenkins	2	Running AWX and Jenkins instances
AWS setup	Breakout session	2	Running AWX and Jenkins instances
AWS setup	Provision HLF and application k8s clusters and related AWS resources	2	Running HLF and application k8s clusters
AWS setup	Breakout session	2	Running HLF and application k8s clusters
Fabric Operator	Fabric Operator Deployment configuration and setup	2	Configure the deployment files, create credentials and setup AWX to prepare for Fabric Operator Deployment
Fabric Operator	Breakout session	2	Configure the deployment files, create credentials and setup AWX to prepare for Fabric Operator Deployment
Fabric Operator	Fabric Operator Deployment	2	Running Fabric Operator on the provisioned HLF k8s cluster
Fabric Operator	Breakout session	2	Running Fabric Operator on the provisioned HLF k8s cluster
openIDL node	Introduction to Fabric Console	2	Know how to create HLF networks and operate them with the Fabric Console
openIDL node	Breakout session	2	Know how to create HLF networks and operate them with the Fabric Console
openIDL node	Configure and deploy openIDL node	2	Running carrier HLF node (CA, peer)
openIDL node	Breakout session	2	Running carrier HLF node (CA, peer)
openIDL node	Join node on openIDL network and chaincode deployment	2	The HLF openIDL nodes are part of the network channels. OpenIDL chaincodes are deployed on the peers.
openIDL node	Breakout session	2	The HLF openIDL nodes are part of the network channels. OpenIDL chaincodes are deployed on the peers.
openIDL applications	Configure, deploy and setup the openIDL applications (UIs)	3	openIDL applications are up and running. Data call can be created.
openIDL applications	Breakout session	3	openIDL applications are up and running. Data call can be created.

Materials

- Introduction session presentations (May 15, 2023)



openIDL Node De...shop Part 1.pdf

- Part 2 - AWX and Jenkins Deployment



openIDL Node D...Deployment.pdf

- Part 3 - AWS setup - openIDL k8s deployment



openIDL Node D...deployment.pdf

- Part 4 - Setup Fabric Operator Deployment Configuration



openIDL Node De...nfiguration.pdf

- Part 5 - Fabric Operator Deployment



openIDL Node D...Deployment.pdf

- Part 6 - Fabric Operator Console Introduction



openIDL Node De...ntroduction.pdf

