# 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	1:	
15 Introduction (1hr)	16 Office Hours (2 hrs)	17 AWS Setup1 (2 hr)	19		
22 AWS Setup 2 (2hrs)	23 Office Hours (2 hrs)	24 25		2	
29	30	31			
June 2023					
Mon	Tues	Weds	Thurs	Fri	
₩			1		
5	6	7	8		
12 Fabric Operator Setup	13 Office Hours (2 hrs)	14 Fabric Operator Deployment	15 Office Hours (2 hrs)	1	
19 Intro to Fabric Console	20 Office Hours (2 hrs)	21 Configure and Deploy Node		2	
26 Join node to network &	27 Office Hours (2 hrs)	28 Configure,deploy & setup openIDL apps (UIs)	29 Office Hours (2 hrs)	3	

### 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

blocked URL

# **CURRICULUM**

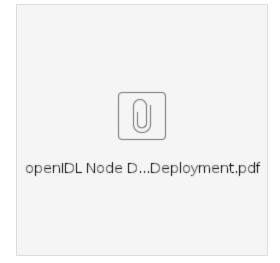
Topic	Session	Dura tion	Goal	
		(hou rs)		
Introduct ion	Introduction to the course (steps, timelines	1	Understand the content of the course, its goals and timelines.	
	expectations, etc)			
AWS setup	Provision resources and install AWX /Jenkins	2	Running AWX and Jenkins instances	
AWS setup	Breakout 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	2	Configure the deployment files, create credentials and setup AWX to prepare for Fabric Operator Deployment	
	Deployment configuration and setup			
Fabric Operator	Breakout session	2	Configure the deployment files, create credentials and setup AWX to prepare for Fabric Operator Deployment	
Fabric Operator	Fabric Operator	2	Running Fabric Operator on the provisioned HLF k8s cluster	
	Deployment			
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	Configure, deploy and setup the openIDL	3	openIDL applications are up and running. Data call can be created.	
applicati ons	applications (UIs)			
openIDL	Breakout session	3	openIDL applications are up and running. Data call can be created.	
applicati ons				

## Materials

■ Introduction session presentations (May 15, 2023)



• Part 2 - AWX and Jenkins Deployment



• Part 3 - AWS setup - openIDL k8s deployment



openIDL Node D...deployment.pdf

• Part 4 - Setup Fabric Operator Deployment Configuration



• Part 5 - Fabric Operator Deployment



• Part 6 - Fabric Operator Console Introduction



openIDL Node De...ntroduction.pdf