Hyperledger Sawtooth Blockchain Application Developer Workshop

Objective

Hosted by Cyberport HK and designed & delivered by Hyperledger general member Blockchain Technology Partners, this workshop will provide participants with a thorough understanding of the key concepts required to successfully develop & deploy distributed applications on a Hyperledger Sawtooth blockchain network.

The majority of the workshop content will be drawn from the Hyperledger Sawtooth Application Developer's Guide. The workshop will also include a session covering Sawtooth Seth - the Sawtooth-Ethereum integration project.

Day 1 - December 5th

09:30-10:00	Intros and Objectives
10:00-10:30	Hyperledger Sawtooth Overview
10:30-11:00	Hands-on: Setup Development Environment
11:00-11:30	Coffee
11:30-12:15	Hands-on: Tic-Tac-Toe Demo
12:15-13:00	Application Development Best Practices Use XO Transaction Family to highlight the key considerations that need to be taken into when developing a new transaction family
13:00-14:00	Lunch
14:00-15:30	Hands-on: Tic-Tac-Toe Deep Dive Code walkthrough getting participants to make specific changes to the client & transaction processor code to ensure that they grasp the key concepts
15:30-16:00	Coffee
16:00-17:30	Introduce Sextant & Demo Deploying to Production

Day 2 - December 6th

09:30-10:00	Day 1 recap
10:00-11:00	Hands-on: Develop Voting App #1 Extended session where we provide skeletal code for a voting application derived from the settings-tp which will use & reinforce everything learned Day 1
11:00-11:30	Coffee
11:30-13:00	Hands-on: Develop Voting App #2
13:00-14:00	Lunch
14:00-15:30	Hands-on: Seth Integration Show how standard Ethereum developer tools such as truffle and remix can be used with a Sawtooth network where seth-tp is deployed thus opening up the world of Solidity/Ethereum. Also highlight recent work supporting WASM.
15:30-16:00	Coffee
16:00-17:30	Running Sawtooth in Production Best practices & benefits of Sextant over DIY approach

Prerequisites

All participants should be devops engineers or application developers familiar with the principles of client/server development and object oriented programming. A working knowledge of JavaScript would be very helpful.

Please make sure that you bring a laptop with Docker and git pre-installed.

Venue & Registration

Venue	Entrepreneurship Centre L5 Core F, Cyberport 3, 100 Cyberport Road, Hong Kong
Registration	EventXtra: Hyperledger Sawtooth Blockchain Application Developer Workshop

About Blockchain Technology Partners

Our mission is to bring the benefits of blockchain to business by providing *Sextant* - a powerful easy to use blockchain management platform that delivers one click deployment of scalable Hyperledger Sawtooth networks running on Kubernetes in the cloud.

Sextant radically simplifies adoption because enterprises can focus on application development with training, consulting and support provided by BTP.

Sextant is now available in the [AWS Marketplace](#).

For more information please contact hyperledger@blockchaintp.com