Blockchain Council

Certified Blockchain Expert

Setting up Hyperledger Composer

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Before we start building our applications, we need to set up the development environment of Hyperledger Composer. Follow these steps to setup the development environment:

- Install Prerequisites.
- Install CLI tools.
- Install Playground.

Install Prerequisites

The Hyperledger Composer pre-requisites can be installed on Ubuntu or MacOS. The following are prerequisites for installing the required development tools:

- ***Operating Systems:*** *Ubuntu Linux 14.04 / 16.04 LTS (both 64-bit), or Mac OS 10.12*
- ***Docker Engine:*** *Version 17.03 or higher*
- ***Docker-Compose:*** *Version 1.8 or higher*
- ***Node:*** *8.9 or higher (note version 9 is not supported)*
- ***npm:*** *v5.x*
- ***git:*** *2.9.x or higher*
- ***Python:*** *2.7.x*
- *A code editor of your choice, we recommend VSCode.*

Install Prerequisites

Step 1.1: You can also download the prerequisites directly using the following command:

– *curl -O https://hyperledger.github.io/composer/unstable/prereqs-ubuntu.sh*

Step 1.2: Then you have to give permissions to it, by using this command:

– *chmod u+x prereqs-ubuntu.sh*

Step 1.3: run the script, as this briefly uses sudo during its execution, you will be prompted for your password.

– *./prereqs-ubuntu.sh*

Install CLI Tools

There are a few useful CLI tools for Composer developers. Please don't use sudo or su for these commands.

Step 2.1: Composer-cli:

- *npm install -g composer-cli*

Step 2.2: Rest server:

- *npm install -g composer-rest-server*

Step 2.3: Hyperledger composer generator:

- *npm install -g generator-hyperledger-composer*

Step 2.4: Yeoman:

- *npm install -g yo*

Install Playground

Hyperledger Playground can be install by running the following command:

- `npm install –g composer-playground`

THANK YOU!

Any questions?
You can mail us at
hello@blockchain-council.org