

**Blueventure:
Blockchain Lab**Track-and-Trace Blockchain
Workshop for Hyperledger
Fabric 2.2 (BETA)▼ Create a Hyperledger Fabric
Network

► Create Network & Member

► Accept invite and create
Supplier member

Congratulations

► Setup Development
Environment

► Set up a Fabric client

► Write and deploy chaincode

► Invoking chaincode via API

▼ Building a frontend

Install dependencies

Generate configurations

▼ AWS account access

[Open AWS console](#)
(us-east-1)[Get AWS CLI credentials](#)

Exit event

[Event dashboard](#) > [Building a frontend](#) > **Launch application**

Launch application

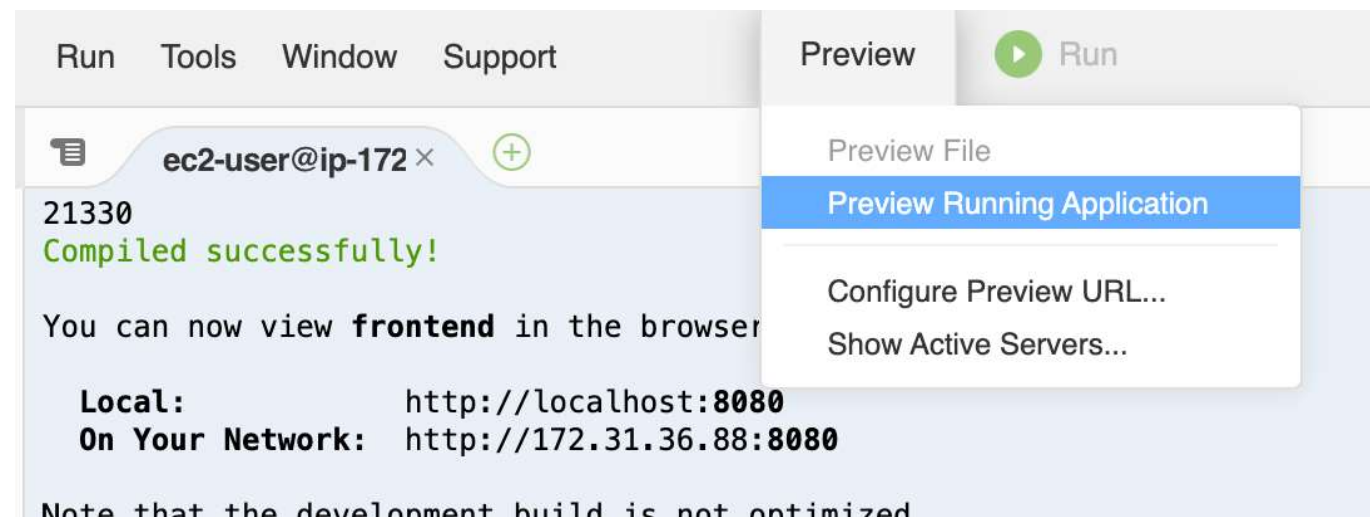
You are now ready to launch the frontend application.

 Execute the following steps from your Cloud9 terminal.

```
1 cd $HOME/environment/amb-hf-workshop-supplychain-app/frontend
2 nvm use lts/gallium
3 npm start
```

Once you see the following output you can access the web application.

```
1 Compiled successfully!
2
3 You can now view frontend in the browser.
4 Local:      http://localhost:8080
5 On Your Network: http://172.31.36.88:8080
6
7 Note that the development build is not optimized.
8 To create a production build, use npm run build.
```

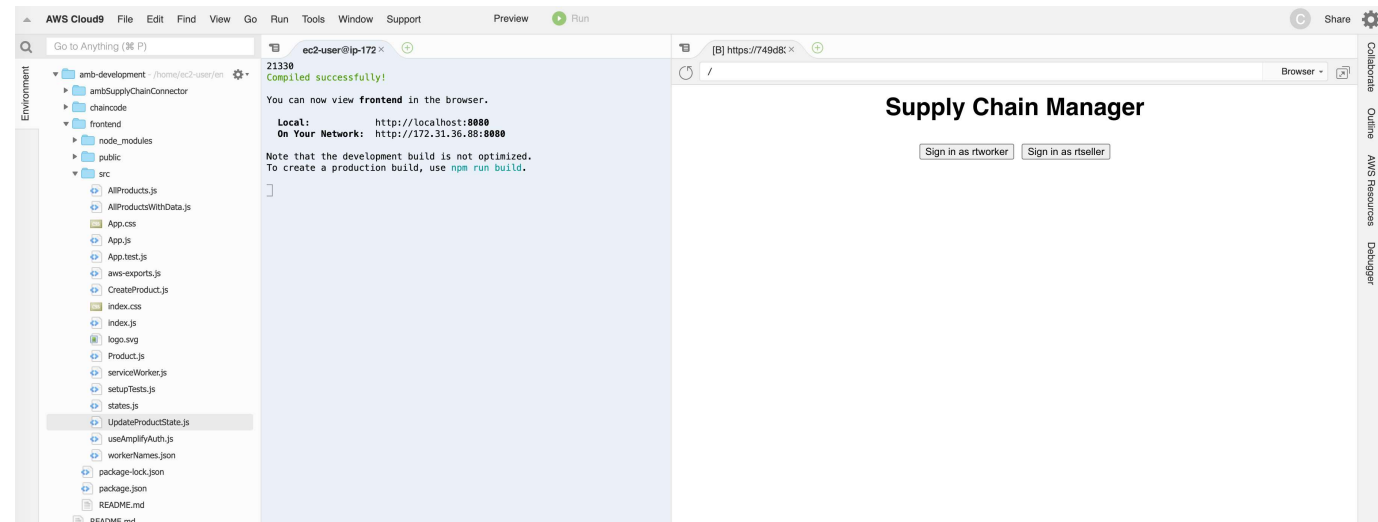
To access the web application, click on **Preview > Preview Running Application**.

Blueventure: Blockchain Lab

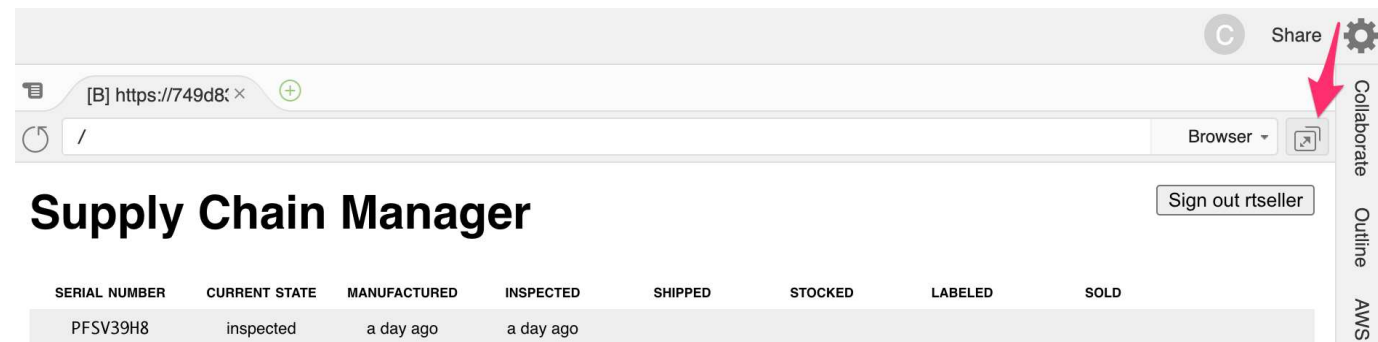
Track-and-Trace Blockchain Workshop for Hyperledger Fabric 2.2 (BETA)

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Clicking on that will open another pane in your Cloud9 environment with a web browser view to the running application. Cloud9 conveniently allows you to develop your web application in the Cloud using an in-browser tunnel, which avoids exposing your application's listening ports to the Internet.



If your preview pane is too small, you can also click in the top-right corner of the preview pane to open the site in a separate tab.



The initial screen of the app shows two buttons that you can use to automatically log in as each of your member's workers. Upon logging in, you will see a list of each product that has been created and its status. Depending on which user you are logged in as, you will see different possible operations that can be performed.

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Exit event

Supply Chain Manager

[Sign out rtSeller](#)

SERIAL NUMBER	CURRENT STATE	MANUFACTURED	INSPECTED	SHIPPED	STOCKED	LABELED	SOLD
JRZXFY39	sold	11 minutes ago	11 minutes ago	11 minutes ago	6 minutes ago	a minute ago	a few seconds ago
FKFET3U6	labeled	27 minutes ago	27 minutes ago	26 minutes ago	6 minutes ago	a minute ago	sell
B9JZJA6P	labeled	42 minutes ago	39 minutes ago	32 minutes ago	6 minutes ago	a minute ago	sell
DERRF6TX	sold	an hour ago	an hour ago	42 minutes ago	6 minutes ago	a minute ago	a few seconds ago
5ZCCT4PB	labeled	an hour ago	an hour ago	an hour ago	5 minutes ago	a minute ago	sell
CZK5BQ1T	labeled	an hour ago	an hour ago	an hour ago	5 minutes ago	a minute ago	sell
JRCWRJSW	labeled	an hour ago	an hour ago	an hour ago	5 minutes ago	a minute ago	sell
CGNF4S7T	sold	an hour ago	an hour ago	an hour ago	5 minutes ago	a minute ago	a few seconds ago
5LY9L7XZ	labeled	an hour ago	an hour ago	an hour ago	5 minutes ago	a minute ago	sell
1QXQ9AM4	labeled	an hour ago	an hour ago	an hour ago	5 minutes ago	a few seconds ago	sell
XB4WPMNU	labeled	2 hours ago	2 hours ago	2 hours ago	5 minutes ago	a few seconds ago	sell
Y4KF6FZB	labeled	2 hours ago	2 hours ago	2 hours ago	5 minutes ago	a few seconds ago	sell
N5KDEWQA	labeled	2 hours ago	2 hours ago	2 hours ago	2 minutes ago	a minute ago	sell
4BYEP85L	shipped	2 hours ago	2 hours ago	2 hours ago			
WBA2ACWN	shipped	2 hours ago	2 hours ago	2 hours ago			

You will probably want to open two separate browser sessions (either using different user identities in Chrome, Firefox Personas, or a normal browser window and a private/incognito browser window, so that you can see perspectives from both members simultaneously. All four worker identities are required to complete the entire lifecycle of a product.

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