# Blockchain Council™

# **Certified Hyperledger Developer**

## Hyperledger Composer Events

# Events

- Events can be emitted by Hyperledger Composer and subscribed to by external applications.

- Events are defined in the model file of a business network definition, and are emitted by script.js in the transaction processor functions file.

# How to emit an event?

- Events are defined in the model file (.cto) in the similar manner as assets and participants of the business network definition. A sample declaration of the event:
  - `event SampleEvent {`

    `}`
- To publish the event the transaction must call these three functions: getFactory, factory.newEvent('org.example', 'BasicEvent'), emit(BasicEvent).

  - ```
    async function SampleEventTransaction(sampleEventTransaction) {
        let factory = getFactory();

        let sampleEvent = factory.newEvent('org.example, 'SampleEvent');
        emit(basicEvent);
    }
    ```

# THANK YOU!

Any questions?
You can mail us at
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