Deployment guide

# Hyperledger Fabric XML/CALL adapter

Adapter allows call chaincode`s methods of Hyperledger Fabric over JMS using XML based messages.

## Subsystems requirements:

* JMS Server with dedicated topic for incoming messages.
* Fabric 1.0.1 network with deployed chaincodes
* Fabric chaincodes interfaces should consist of single protobuff based byte array message for incoming and\or returning data.
* JMS requests should contain “JMS Reply To” header, and wait for response there.

## Subsystems interaction scheme

## Software requirements

* X86\_64 based operation system
* Java JRE 1.8

## How to run

1. Generate fabric network client artifacts, used to access fabric network. Refer to tool manual (Hyperledger Fabric XML/CALL adapter) for details.
2. Generate services.desc, which describes interfaces of chaincode methods. Refer to tool manual for details.
3. Create JMS queue (name ex. *JMSQueue)*, used to receive incoming messages from client systems.
4. Create configuration file for tool or use environment variables. Refer to tool manual for details.

*Ex. SPRING\_ACTIVEMQ\_BROKER-URL= tcp://localhost:61616 XMLCALLJMSDESTINATION= JMSQueue CONNECTORARG=fabric.yaml*

1. Launch executable.

*Ex. java -jar* *JmsXmlCall.jar*