

Blockchain Hyperledger Fabric Plugins

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Description

This bundle contains a set of Joget plugins to query and update a [Hyperledger Fabric](#) blockchain network. For detailed instructions and an introduction to Hyperledger Fabric, please refer to the article [Blockchain Made Simple: No-Code Apps with Hyperledger Fabric and Joget](#).

Plugin Info

Plugins Available in the Bundle:

1. Hyperledger Fabric Tool
2. Hyperledger Fabric Datalist Binder
3. Hyperledger Fabric Form Binder

This plugin bundle is compatible with Joget Workflow v6.

Installation

1. Download the plugin JAR file:



2. Upload the downloaded jar file through [Manage Plugins](#).
3. Map and configure the tool plugin to any [Process Tool/ Post Form Submission Processing Plugin](#).
4. Map and configure the datalist binder to any [Datalist Binder](#).
5. Map and configure the form binder to any [Form Load Binder](#).

6. A sample app for Joget Enterprise Edition is available for download here.



7. The source code for the plugin is available for download here.



Screenshots

ID : update_status

Design App: Hyperledger Fabric Sample

Version 1 | Publish

Forms & UI

Processes

Properties & Settings

All Apps

PLUGIN CONFIGURATION - INVOKE FABRIC TRANSACTION (INVOKE_TRANSACTION)

Hyperledger Fabric User

Hyperledger Fabric User > Channel > Transaction > Store To Form > Store To Workflow Variable

User ID * hfuser

Affiliation * org1

Membership Service Provider (MSP ID) * Org1MSP

User Enrollment

Existing User

Register New User

Certificate Authority (CA) URL * http://fabric-host:7054

Admin ID * admin

Admin Secret *

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ID : update_status

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PLUGIN CONFIGURATION - INVOKE FABRIC TRANSACTION (INVOKE_TRANSACTION)

Channel

Hyperledger Fabric User > Channel > Transaction > Store To Form > Store To Workflow Variable

Peer Name * peer0.org1.example.com

Peer URL * grpc://fabric-host:7051

Orderer Name * orderer.example.com

Orderer URL * grpc://fabric-host:7050

Channel Name * mychannel

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ID : update_status

PLUGIN CONFIGURATION - INVOKE FABRIC TRANSACTION (INVOKE_TRANSACTION)

Transaction

Hyperledger Fabric User > Channel > Transaction > Store To Form > Store To Workflow Variable

Chaincode ID *

Function Name *

Function Arguments

FUNCTION ARGUMENTS	
<input type="text" value="#form.fabcar.Key#"/>	⬆ ⬇ ⬇
<input type="text" value="#form.fabcar.make#"/>	⬆ ⬇ ⬇
<input type="text" value="#form.fabcar.model#"/>	⬆ ⬇ ⬇
<input type="text" value="#form.fabcar.colour#"/>	⬆ ⬇ ⬇
<input type="text" value="#form.fabcar.owner#"/>	⬆ ⬇ ⬇

Transaction Type Query Update

Debug Mode

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ID : update_status

PLUGIN CONFIGURATION - INVOKE FABRIC TRANSACTION (INVOKE_TRANSACTION)

Store To Form

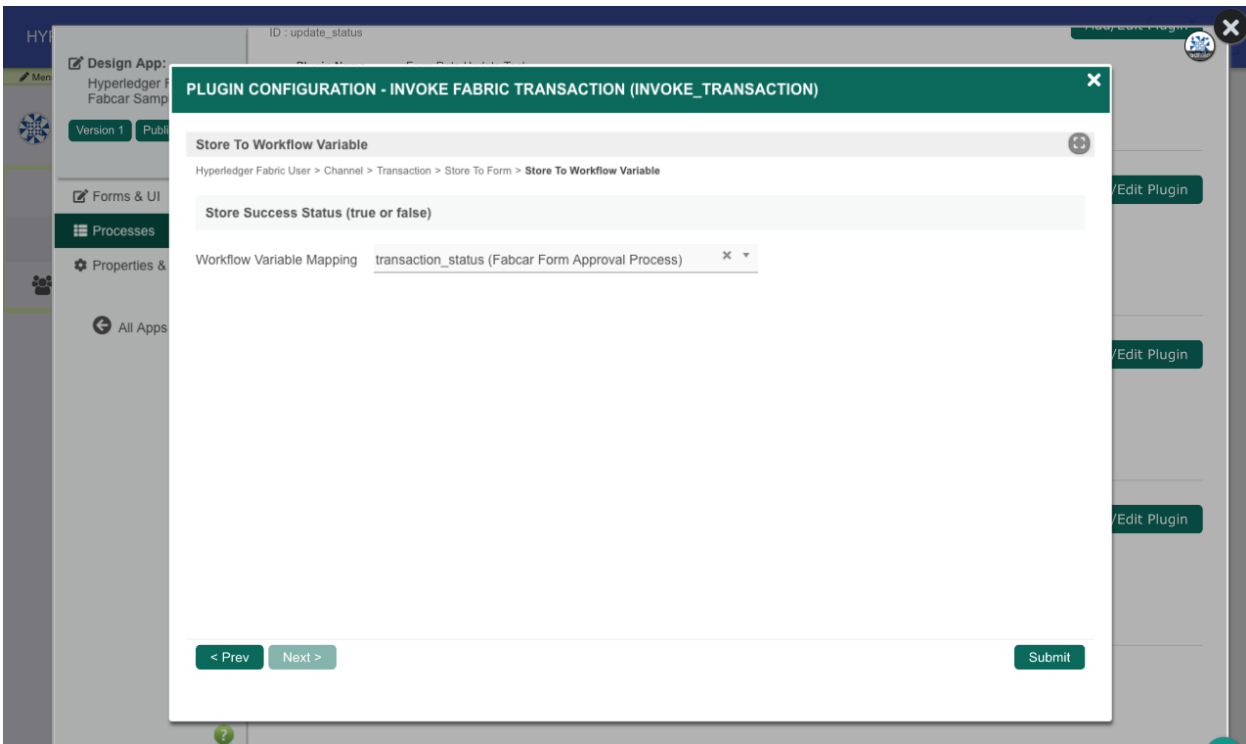
Hyperledger Fabric User > Channel > Transaction > Store To Form > Store To Workflow Variable

Store Success Status (true or false)

Form x ↗

Field Mapping x ↗

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Changelog

Version	Items
6.0.0	Initial release