

Blockchain Hyperledger Fabric Plugins

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Description

This bundle contains a set of Joget plugins to query and invoke transactions on 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](#).

This plugin source code is available in a new open source repository at <https://github.com/jogetoss/>. JogetOSS is a community-led team for open source software related to the Joget no-code/low-code application platform. Projects under JogetOSS are community-driven and community-supported, and you are welcome to contribute to the projects.

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 DX 7 and Joget Workflow v6.

Source Code

The source code for the plugin is available at <https://github.com/jogetoss/joget-hyperledger-fabric>.

Installing the Plugin

1. To download the plugin file (**jar**), do look for the latest plugin release at JogetOSS: <https://github.com/jogetoss/joget-hyperledger-fabric/releases>
2. Upload the downloaded **jar** file into your Joget platform via [Manage Plugins](#).
3. Map and configure the **Hyperledger Fabric Tool** plugin to any [Process Tool](#) or [Post Form Submission Processing](#).
4. Map and configure the **Hyperledger Fabric Datalist Binder** to any [Datalist Binder](#).
5. Map and configure the **Hyperledger Fabric Form Binder** to any [Form Load Binder](#).

Sample App

This sample app reuses the "**fabcar**" example from this [Hyperledger Fabric - Writing Your First Application Guide](#).

For summarized setup steps & info on how to configure this sample app prior to usage, you may refer to the related [Joget Blog - Blockchain Made Simple: No-Code Apps with Hyperledger Fabric and Joget](#).

After performing the necessary [prerequisites](#) and [installing the required samples & binaries](#), simply download the sample app below, import the app into your Joget instance and publish the app.



Sample connection profile to the **Fabcar** network:

[connection-fabcar.json](#)

Screenshots

[blocked URL](#)

Figure 1: Hyperledger Fabric configuration

[blocked URL](#)

Figure 2: Fabric Transaction options

[blocked URL](#)

Figure 3: Storing transaction status to form field

[blocked URL](#)

Figure 4: Storing transaction status to workflow variable

Changelog

Version	Items
7.0.0	Updated for compatibility with Joget DX7 Upgraded to fabric-sdk-java 2.2.19 Upgraded to gson 2.9.1 Upgraded to bouncycastle 1.70
6.2.2	Upgraded to fabric-sdk-java 2.2.6 Upgraded to commons-io 2.8.0 Upgraded to guava 3.1.1-jre
6.2.1	Updated for Hyperledger Fabric 2.2
6.2.0	Updated for Hyperledger Fabric 2.0
6.1.0	Updated for Hyperledger Fabric 1.4 on IBM Blockchain Platform
6.0.0	Initial release

Common Errors And Troubleshooting

If you are hitting a similar error such as below:-

```
WARN 12 Feb 2023 21:48:11 org.hyperledger.fabric.sdk.PeerEventServiceClient - PeerEventServiceClient{id:
151, channel: mychannel, peerName: peer0.org1.example.com, url: grpcs://peer0.org1.example.com:7051}
PeerEventServiceClient{id: 151, channel: mychannel, peerName: peer0.org1.example.com, url: grpcs://peer0.org1.
example.com:7051} attempts 10 Status returned failure code 403 (FORBIDDEN) during peer service event
registration
```

The solution is to delete the `wflow/hf_users` folder.