Cardano Send Transaction Tool

Introduction

This process tool plugin allows you to send assets from one account to another on the Cardano blockchain, with option to also embed form data into the transaction metadata according to the CIP-20 standard.

> ⚠ **Note**
>
> - Do ensure that the sender's account has sufficient balance for the amount of assets to send & its required transaction fee.
> - Do ensure the amount sent complies with the minimum ADA value requirement, see: https://docs.cardano.org/native-tokens/minimum-ada-value-requirement. As of date of writing, the minimum is 1 ADA.

Plugin Properties

Configure Cardano Send Transaction Tool

Name	Description
Network Type	See Cardano Default Backend Plugin
Backend Service	
Blockfrost Project Key	

Transaction Details

Name	Description
Form	Select a form to retrieve transaction data from. All fields from the selected form will be made available for field mapping in the sections below.
Asset Configuration	
Payment Type	Select the asset type to transfer: - ADA - Native Token - NFT
Policy ID	This property will only appear when **Payment Type** is **Native Token** or **NFT**. The policy ID that minted the token. Can use a Hash Variable or simply hardcoded.
Asset Name	This property will only appear when **Payment Type** is **Native Token** or **NFT**. The asset name of the token, **e.g.**: MyTestToken, My-First-NFT. Typically a Hash Variable is used here.
Payment Configuration	

Sender Address	Address to send assets from.
Sender Account Mnemonic Phrase	This is the sender's account secret key required in order to perform actions with the sender's account. Only accepts Hash Variable that points to the sender's encrypted stored mnemonic phrase. ⊘ **Caution** Account Mnemonic Phrase **MUST** be strictly secured at all times, and only viewable to the intended user. Do **NOT** key in the plain-text mnemonic phrase here. **Anyone who possesses this phrase has full unrestricted control and can do irreparable damage!**
Enable Multiple Receivers	This property will only appear when **Payment Type** is **ADA** or **Native Token**. When this option is checked, you can pull multiple rows of data from a datalist to send assets to multiple receivers with their respective amounts. With this feature, all the receivers are compiled into a single transaction and executed atomically. **Datalist To Retrieve Receivers** property will appear for you to select an existing datalist in the current app. After then, the **Datalist Column Mapping (Multiple Receivers Mode)** configuration tab will be available for you to map datalist columns accordingly.
Datalist To Retrieve Receivers	This property will only appear when **Enable Multiple Receivers** is checked. Select an existing datalist in the current app. The plugin will reference the selected datalist here and automatically retrieve data via the Datalist Binder of the selected datalist.
Receiver Address	This property will only appear when **Enable Multiple Receivers** is not checked. Address to send assets to.
Amount To Send	This property will only appear when **Enable Multiple Receivers** is not checked. If **Payment Type** is **NFT**, this property is automatically hidden and is always set to **1**. Amount of tokens to send. Amount can only contain max 6 decimal places. This rule applies for both ADA and native tokens.
Fee Limit (ADA)	The maximum limit for transaction fees in units of ADA. ⚠ **Note** Value can only contain max 6 decimal places. If this is empty, no limit is applied.
Additional Metadata	
Metadata	Fields available here depends on the **Form** selected. Select the field(s) you wish to embed into the transaction metadata. Written transaction metadata follows the CIP-20 standard. To learn more about transaction metadata, see https://developers.cardano.org/docs/transaction-metadata/. ⚠ Transactions performed on the blockchain are **publicly viewable**, including its metadata, as it is intended primarily as an always-accessible proof of existence. Do **NOT** directly embed sensitive information to the transaction metadata.

Datalist Column Mapping (Multiple Receivers Mode)

*This configuration tab will only appear when **Enable Multiple Receivers** property is checked.*

The columns available here depends on the datalist selected in **Datalist To Retrieve Receivers** property.

Name	Description
Receiver Address	Select the respective column that represents the receiver addresses.
Amount	Select the respective column that represents the amount of assets to send to the respective receivers.

Store Response To Workflow Variable

Name	Description
Is Transaction Successful	To indicate if this transaction has executed successfully. Returns **true** if successful, otherwise it returns **false**. You can use this value in your process to route your business logic and fully customize the user experience flow.
Is Transaction Validated	To indicate if this transaction has been successfully validated. This value will typically start with a **false** value. Only after the transaction has been confirmed/validated on the blockchain, only then this value will automatically be changed to **true**.
Transaction ID	To store the transaction ID of the transaction performed.
Transaction Explorer URL	To store an auto-generated URL to see transaction details on the official Cardano blockchain explorer. Do note that explorers typically has a short delay to sync to the latest blockchain state in order to reflect your transactions.