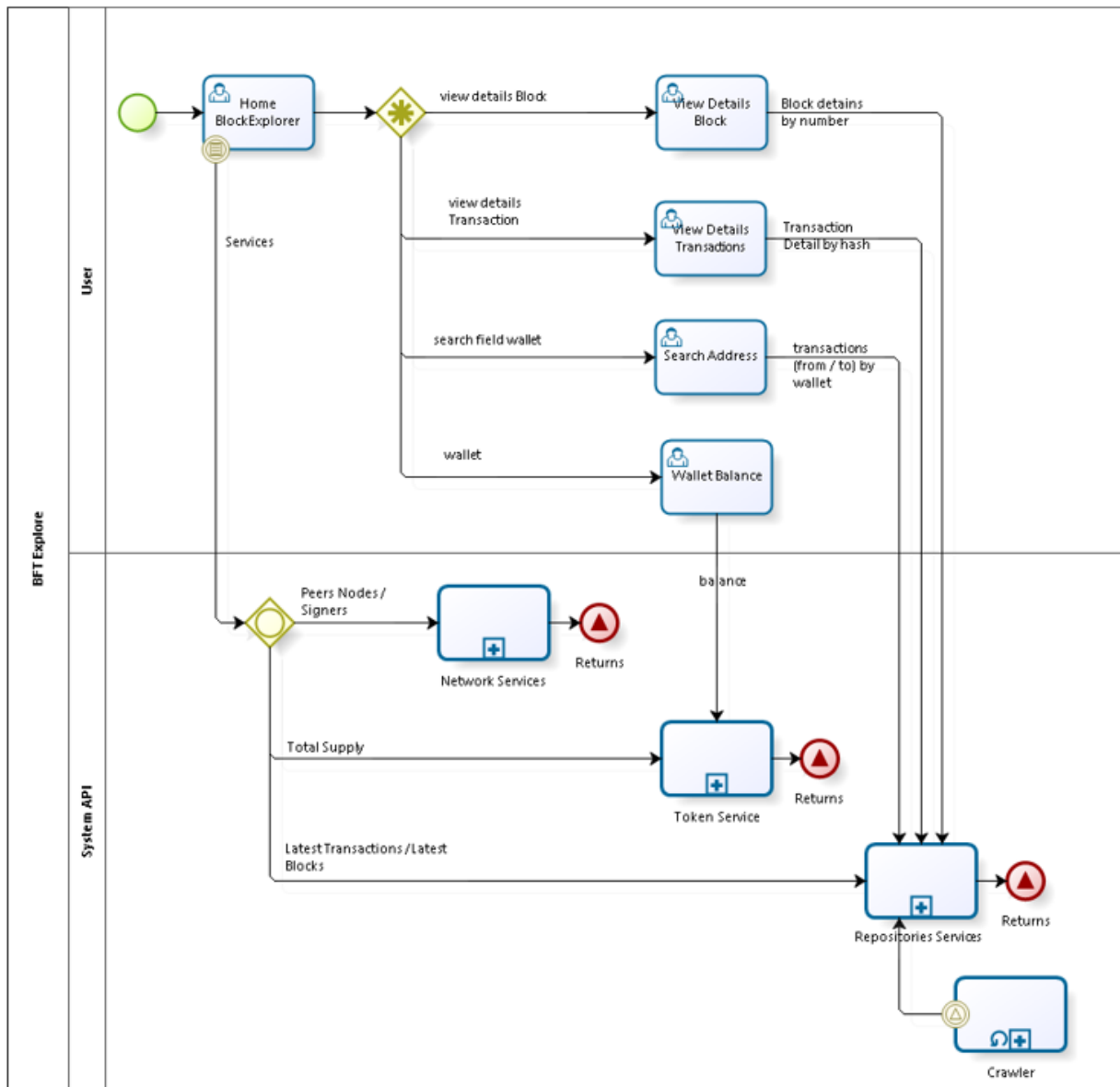


Block Explorer



Acceptance criteria:

View the activity of the permissioned network:

- blocks created
- transactions generated
- number of connected peers
- number of connected signers
- total SPL supply

Search details of:

- transactions with his hash number
- transactions for an address
- block by blockNumber

- block by blockHash
- address balance SPL

Features

Searches

- Balance SPL account
- Transaction hash
- Block hash
- Block number

Home BlockExplorer

- Summary of the key metrics for the network
 - Latest transactions and blocks
 - Total supply SPL
 - Total Peers nodes
 - Total signers

Transaction Details

- View the details of individual transactions
- Transaction Objects:

blockHash	Data, 32 bytes	Hash of the block containing this transaction. <code>null</code> when transaction is pending.
from	Data, 20 bytes	Address of the sender.
hash	Data, 32 bytes	Hash of the transaction.
to	Data, 20 bytes	Address of the receiver. <code>null</code> if a contract creation transaction.
value	Quantity	Value transferred, in SPL
status	Quantity	Either 0x1 (success) or 0x0 (failure)
time	Quantity	Unix timestamp for transaction.
type		Transaction type: mint, transfer

Block Details

- View provides details of all blocks being generated on the network.
- Block Objects:

size	Quantity, Integer	Size of block in bytes.
signers	Array	Signature hash.
time	Quantity	Unix timestamp for block assembly.
hash	<i>Data</i> , 32 bytes	Hash of the block. <i>null</i> when block is pending.
transactions	Array	Array of transaction objects, or 32 byte transaction hashes depending on the specified boolean parameter.
height	Quantity	Number of block that includes the log. <i>null</i> when log is pending.

Features Details

@Information_Network

In order to I want see network activity

As a user I want to access network information

Scenario: view network information

Given I can access BlockExplorer home_page

Then I see <TotalSupplySPL>

And I see <PeersNode>

And I see <Signers>

And I see <LastestBlocks>

And I see <LastestTransactions>

Background: Access BlockExplorer page

Given I am home page BlockExplorer

@Search_Block_By_Hash

In order to I need to find a block

As a user I want to search with a blockHash

Scenario: search with a valid block hash

Given I fill search field with <blockHash>

When I click 'Enter'

Then I see 'Block Details page'

Scenario: search with a invalid block hash

Given I fill search field with <blockHash>

When I click 'Enter'

Then I see 'Warning message'

@Search_Block_By_Number

In order to I need to find a block

As a user I want to search with a blockNumber

Scenario: search with a valid block number
Given I fill search field with <blockNumber>
When I click 'Enter'
Then I see 'Block Details page'

Scenario: search with a invalid block number
Given I fill search field with <blockNumber>
When I click 'Enter'
Then I see 'Warning message'

@Search_Transaction_By_Hash
In order to I need to find a transaction
As a user I want to search with a transactionHash

Scenario: search with a valid transaction hash
Given I fill search field with <transactionHash>
When I click 'Enter'
Then I see 'Transaction Details page'

Scenario: search with a invalid transaction hash
Given I fill search field with <transactionHash>
When I click 'Enter'
Then I see 'Warning message'

@Search_Address
In order to I need to find a wallet
As a user I want to search with a address

Scenario: search with a valid address
Given I fill search field with <address>
When I click 'Enter'
Then I see 'Balance account page'

Scenario: search with a invalid address
Given I fill search field with <address>
When I click 'Enter'
Then I see 'Warning message'