get-available-chains)

- getChains
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Chains and Tools

Request all available chains, bridges, and exchanges. Get an overview of which options (chains, bridges, DEXs) are available at this moment.

Get available chains

getChains

Fetches a list of all available chains supported by the SDK.

Parameters

- params
- (ChainsRequest, optional): Configuration for the requested chains.
-
  - chainTypes
-
  - (ChainType[], optional): List of chain types.
- options
- (RequestOptions, optional): Additional request options.

Returns

A Promise that resolves to an array ofExtendedChain objects.

Example

```
Copy import{ ChainType,getChains }from'@lifi/sdk';

try{ constchains=awaitgetChains({ chainTypes:[ChainType.EVM] }); console.log(chains); }catch(error) { console.error(error); }
```

Get available bridges and DEXs

getTools

Fetches the tools available for bridging and swapping tokens.

Parameters

- params
- (ToolsRequest, optional): Configuration for the requested tools.
-
  - chains
-
  - ((ChainKey | ChainId)[], optional): List of chain IDs or keys.
- options
- (RequestOptions, optional): Additional request options.

Returns

A Promise that resolves toToolsResponse and contains information about available bridges and DEXs.

Example

```

Copy import{ getTools }from'@lifi/sdk';

try{ consttools=awaitgetTools(); console.log(tools); }catch(error) { console.error(error); }

```

Get available connections

A connection is a pair of two tokens (on the same chain or on different chains) that can be exchanged via our platform.

Read moreGetting all possible Connections

getConnections

Gets all the available connections for swapping or bridging tokens.

Parameters

- connectionRequest
- (ConnectionsRequest): Configuration of the connection request.
-
  - fromChain
-
  - (number, optional): The source chain ID.
-
  - fromToken
-
  - (string, optional): The source token address.
-
  - toChain
-
  - (number, optional): The destination chain ID.
-
  - toToken
-
  - (string, optional): The destination token address.
-
  - allowBridges
-
  - (string[], optional): Allowed bridges.
-
  - denyBridges
-
  - (string[], optional): Denied bridges.
-
  - preferBridges
-
  - (string[], optional): Preferred bridges.
-
  - allowExchanges
-
  - (string[], optional): Allowed exchanges.
-
  - denyExchanges
-
  - (string[], optional): Denied exchanges.
-
  - preferExchanges
-
  - (string[], optional): Preferred exchanges.
-
  - allowSwitchChain
-
  - (boolean, optional): Whether connections that require chain switch (multiple signatures) are included. Default is true.
-

  - allowDestinationCall
-
  - (boolean, optional): Whether connections that include destination calls are included. Default is true.
-
  - chainTypes
-
  - (ChainType[], optional): Types of chains to include.
- options
- (RequestOptions, optional): Request options.

Returns

A Promise that resolves to aConnectionsResponse .

Example

```

Copy import{ getConnections }from'@lifi/sdk';

constconnectionRequest={ fromChain:1, fromToken:'0x0000000000000000000000000000000000000000', toChain:10,
toToken:'0x0000000000000000000000000000000000000000', };

try{ constconnections=awaitgetConnections(connectionRequest); console.log('Connections:',connections); }catch(error) {
console.error('Error:',error); }

```

For more detailed information on each endpoint and their responses, please refer to theLI.FI API documentation.

Token Management Last updated4 months ago