SdkUtils

SDK class encapsulating utility functions.

Hierarchy

- SdkShared
- 4 SdkUtils

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Methods

getRoutersData

▶getRoutersData ():Promise <any

Fetches a list of router liquidity data.

Returns

Promise <any

Array of objects containing the router address and liquidity information, in the form of:

...

Copy { "address": "0xf26c772c0ff3a6036bddabdaba22cf65eca9f97c",

"asset canonical id":"0x000000000000000000000000086991c6218b36c1d19d4a2e9eb0ce3606eb48",

"asset_domain":"1869640809", "router_address":"0xf26c772c0ff3a6036bddabdaba22cf65eca9f97c", "balance":8816006545,

"canonical domain": "6648936", "domain": "1869640809",

"key":"0x6d9af4a33ed4034765652ab0f44205952bc6d92198d3ef78fe3fb2b078d0941c",

"id":"0x67e51f46e8e14d4e4cab9df48c59ad8f512486dd", "fees_earned":7249237 }

...

getTransfers

▶getTransfers (params):Promise <any

Fetches the transfers that match filter criteria.

Parameters

Name Type params Object params.range? Object params.range.limit? number params.range.offset? number params.routerAddress? string params.status? XTransferStatus params.transactionHash? string params.transferId? string params.userAddress? string params.errorStatus? XTransferErrorStatus Returns

Promise <any

The object containing transfer data in the form of:

...

Copy { "transfer id": "0x4a379d3367bb589ddc00dd7c2d7d6557bed75c9595e5cd6a4369d85e587ec386", "nonce": 34,

"to":"0x6d2a06543d23cc6523ae5046add8bb60817e0a94", "call data":"0x", "origin domain":"6778479",

"destination_domain":"6648936", "receive_local":false, "origin_chain":"100"

"origin_transacting_asset":"0x6a023ccd1ff6f2045c3309768ead9e68f978f6e1",

"origin_transacting_amount":"100000000000000",

"origin bridged asset":"0x538e2ddbfdf476d24ccb1477a518a82c9ea81326", "origin bridged amount":"99407526243394",

"xcall_caller":"0x6d2a06543d23cc6523ae5046add8bb60817e0a94",

"xcall transaction hash":"0xd1b4f723c1f7453bc38e8dd64f56830ed1e907b95c8b5eba55a9f1a26d867ea8",

"xcall timestamp":1672964955, "xcall gas price":"4654771330", "xcall gas limit":"511921",

"xcall block number":25819530, "destination chain":"1", "status":"CompletedFast", "routers": [

"0xf26c772c0ff3a6036bddabdaba22cf65eca9f97c"].

"destination transacting asset": "0xc02aaa39b223fe8d0a0e5c4f27ead9083c756cc2".

"destination transacting amount": "99357822480272",

"destination local asset": "0xc02aaa39b223fe8d0a0e5c4f27ead9083c756cc2",

"destination_local_amount":"99407526243394", "execute_caller":"0x75c6a865c30da54e365cb5def728890b3dd8bdc4",

```
"execute transaction hash":"0x7e02bd79087ec48d9588f655474ba7f38921b46ab8ff812f2b2a8b97bad9fa72",
"execute_timestamp":1672965155, "execute_gas_price":"32181349289", "execute_gas_limit":"4000000",
"execute block number":16344186, "execute origin sender":"0x6d2a06543d23cc6523ae5046add8bb60817e0a94",
"reconcile caller": "0xf7c4d7dcec2c09a15f2db5831d6d25eaef0a296c",
"reconcile transaction hash": "0xe3c8042bcd2e943df1d3a38c75bfee132827f3a8a3a1efedf1e4e96cecd72e6b",
"reconcile_timestamp":1672986047, "reconcile_gas_price":"19184906166", "reconcile_gas_limit":"4000000",
"reconcile_block_number":16345915, "update_time":"2023-01-12T04:56:14.72407",
"delegate": "0x6d2a06543d23cc6523ae5046add8bb60817e0a94",
"message hash":"0x327618edf7bab0e7c6b97ecee50ad6572e9c069a85db3083c942e0c0ddc469b7".
"canonical_domain":"6648936", "slippage":300, "origin_sender":"0x6d2a06543d23cc6523ae5046add8bb60817e0a94",
"bridged_amt":"99407526243394", "normalized_in":"1000000000000000",
"canonical id":"0x0000000000000000000000000022aa39b223fe8d0a0e5c4f27ead9083c756cc2", "router fee":null,
"xcall tx origin": "0x6d2a06543d23cc6523ae5046add8bb60817e0a94",
"execute tx origin": "0x29d33fcd30240d55b9280362599d5066c1a2cf10".
"reconcile tx origin":"0x29d33fcd30240d55b9280362599d5066c1a2cf10", "relayer fee":"8424181656635272573" }
create
▶Static create (_config ):Promise <SdkUtils
Create a singleton instance of the SdkUtils class.
Parameters
Name Type Default value Description _config Object undefined SdkConfig object. _config.chains Recordundefined Chain
config, at minimum with providers for each chain. config.signerAddress string undefined Signer address for transactions.
config.logLevel "fatal" | "error" | "warn" | "info" | "debug" | "trace" | "silent" "info" (optional) Logging severity level.
config.network "testnet" |"mainnet" "mainnet" (optional) Blockchain environment to interact with. Returns
Promise <SdkUtils
providers. Transaction Request object.
Example
...
Copy import{ SdkUtils }from"@connext/sdk";
constconfig={ signerAddress:"", network:"mainnet", chains:{ 6648936:{// the domain ID for Ethereum Mainnet providers:
["https://rpc.ankr.com/eth"], }, 1869640809:{// the domain ID for Optimism providers:["https://mainnet.optimism.io"] },
1886350457:{// the domain ID for Polygon providers:["https://polygon-rpc.com"] }, }, }
constsdkBase=awaitSdkUtils.create(config);
```

See the Deployments page for all domain IDs and asset addresses.

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