SdkRouter

SDK class encapsulating router functions.

Hierarchy

- SdkShared
- ↳ SdkRouter
-

Methods

addLiquidityForRouter

▶ addLiquidityForRouter (params):Promise <TransactionRequest

Returns the transaction request for adding liquidity to a router.

Parameters

Name Type Description params Object addLiquidityForRouter parameters object. params.amount string The amount of the token to add. params.domainId string The domain ID. params.router string The address of the router. params.tokenAddress string The address of the token. Returns

Promise <TransactionRequest

providers.TransactionRequest object.

removeRouterLiquidity

▶ removeRouterLiquidity (params):Promise <TransactionRequest

Returns the transaction request for removing liquidity from a router.

Remarks

This function is permissioned to the router owner only.

Parameters

Name Type Description params Object removeRouterLiquidity parameters object. params.amount string The amount of the token to add. params.domainId string The domain ID. params.recipient string The address where the removed funds will be delivered. params.tokenAddress string The address of the token. Returns

Promise <TransactionRequest

providers.TransactionRequest object.

removeRouterLiquidityFor

▶ removeRouterLiquidityFor (params):Promise <TransactionRequest

Parameters

Name Type params Object params.amount string params.domainId string params.recipient string params.router string params.tokenAddress string Returns

Promise <TransactionRequest

create

▶ Static create (_config):Promise <SdkRouter

Create a singleton instance of the SdkRouter 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 <SdkRouter

providers.TransactionRequest object.

Example

```
Copy import{ SdkRouter }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"] }, }, }

constsdkRouter=awaitSdkRouter.create(config);
```

See theDeployments page for all domain IDs and asset addresses.

Edit on GitHub