assetBridger

Classes

abstract

AssetBridger

Base for bridging assets from parent-to-child and back

Extended by

- [Erc20Bridger](#)
- [EthBridger](#)

Type parameters

Type parameter DepositParams WithdrawParams

Properties

Property Modifier Type Description nativeToken? readonly string In case of a chain that uses ETH as its native/gas token, this is eitherundefined or the zero address

In case of a chain that uses an ERC-20 token from the parent network as its native/gas token, this is the address of said token on the parent network

Accessors

nativeTokenIsEth

get

protected

nativeTokenIsEth ( ) :

boolean Whether the chain uses ETH as its native/gas token

Returns

boolean

Source

[assetBridger/assetBridger.ts:71](#)

Methods

checkChildNetwork()

protected

checkChildNetwork (sop : SignerOrProvider) :

Promise < void

Check the signer/provider matches the child network, throws if not

Parameters

Parameter Type Description sop SignerOrProvider

Returns

Promise <void

assetBridger/assetBridger.ts:60

checkParentNetwork()

protected

checkParentNetwork (sop : SignerOrProvider) :

Promise < void

> Check the signer/provider matches the parent network, throws if not

Parameters

Parameter Type Description sop SignerOrProvider

Returns

Promise <void

Source

assetBridger/assetBridger.ts:49

deposit()

abstract

deposit (params : DepositParams) :

Promise < ParentContractTransaction < ParentTransactionReceipt

> Transfer assets from parent-to-child

Parameters

Parameter Type Description params DepositParams

Returns

Promise <ParentContractTransaction <ParentTransactionReceipt

Source

assetBridger/assetBridger.ts:79

withdraw()

abstract

withdraw (params : WithdrawParams) :

Promise < ChildContractTransaction

> Transfer assets from child-to-parent

Parameters

Parameter Type Description params WithdrawParams

Returns

Promise <ChildContractTransaction

Source