ChildTransaction

Classes

ChildTransactionReceipt

Extension of ethers-js TransactionReceipt, adding Arbitrum-specific functionality

Implements

- TransactionReceipt

Methods

getBatchConfirmations()

getBatchConfirmations (childProvider : JsonRpcProvider) :

Promise < BigNumber

> Get number of parent chain confirmations that the batch including this tx has

Parameters

Parameter Type Description childProvider JsonRpcProvider

Returns

Promise <BigNumber

number of confirmations of batch including tx, or 0 if no batch included this tx

Source

message/ChildTransaction.ts:138

getBatchNumber()

getBatchNumber (childProvider : JsonRpcProvider) :

Promise < BigNumber

> Get the number of the batch that included this tx (will throw if no such batch exists)

Parameters

Parameter Type Description childProvider JsonRpcProvider

Returns

Promise <BigNumber

number of batch in which tx was included, or errors if no batch includes the current tx

Source

message/ChildTransaction.ts:151

getChildToParentEvents()

getChildToParentEvents ( ) : ChildToParentTransactionEvent [ ] Get ChildToParentTransactionEvent events created by this transaction

Returns

ChildToParentTransactionEvent []

getChildToParentMessages()

getChildToParentMessages < T

    (parentSignerOrProvider :

T) :

Promise < ChildToParentMessageReaderOrWriter < T

    [ ]

    Get any child-to-parent-messages created by this transaction

Type parameters

Type parameter T extends SignerOrProvider

Parameters

Parameter Type parentSignerOrProvider T

Returns

Promise <ChildToParentMessageReaderOrWriter <T

    []>

getRedeemScheduledEvents()

getRedeemScheduledEvents ( ) : object [ ] Get event data for any redeems that were scheduled in this transaction

Returns

object []

isDataAvailable()

isDataAvailable (childProvider : JsonRpcProvider , confirmations :

number) :

Promise < boolean

    Whether the data associated with this transaction has been made available on parent chain

Parameters

Parameter Type Default value Description childProvider JsonRpcProvider undefined confirmations number 10 The number of confirmations on the batch before data is to be considered available

Returns

Promise <boolean

Source

message/ChildTransaction.ts:173

monkeyPatchWait()

static

monkeyPatchWait (contractTransaction : ContractTransaction) : ChildContractTransaction Replaces the wait function with one that returns an L2TransactionReceipt

Parameters

Parameter Type Description contractTransaction ContractTransaction

Returns

ChildContractTransaction

Source

message/ChildTransaction.ts:187

toRedeemTransaction()

static

toRedeemTransaction (redeemTx : ChildContractTransaction , childProvider : Provider) : RedeemTransaction Adds a waitForRedeem function to a redeem transaction

Parameters

Parameter Type Description redeemTx ChildContractTransaction childProvider Provider

Returns

RedeemTransaction

Source