transactionRequest

Interfaces

ChildToParentTransactionRequest

A transaction request for a transaction that will trigger a child to parent message

Properties

Property Type Description estimateParentGasLimit (l1Provider :Provider) =>Promise <BigNumber

> Estimate the gas limit required to execute the withdrawal on the parent chain. Note that this is only a rough estimate as it may not be possible to know the exact size of the proof straight away, however the real value should be within a few thousand gas of this estimate.

ParentToChildTransactionRequest

A transaction request for a transaction that will trigger some sort of execution on the child chain

Properties

Property Type Description retryableData OmitTyped <ParentToChildMessageNoGasParams ,"excessFeeRefundAddress" |"callValueRefundAddress"

> &Partial <ParentToChildMessageNoGasParams &ParentToChildMessageGasParams Information about the retryable ticket, and it's subsequent execution, that will occur on the child chain txRequest Required <Pick <TransactionRequest ,"data" |"value" |"from" |"to"
>
>> Core fields needed to form the parent component of the transaction request

Methods

isValid()

isValid ( ) :

Promise < boolean

> If this request were sent now, would it have enough margin to reliably succeed

Returns

Promise <boolean

Source

dataEntities/transactionRequest.ts:28

Functions

isChildToParentTransactionRequest()

function

isChildToParentTransactionRequest < T

> (possibleRequest : ChildToParentTransactionRequest | IsNotTransactionRequest < T
>
>) : possibleRequest is ChildToParentTransactionRequest Check if an object is of ChildToParentTransactionRequest type

Type parameters

Type parameter T

Parameters

Parameter Type Description possibleRequest [ChildToParentTransactionRequest](#) |IsNotTransactionRequest <T

Returns

possibleRequest is ChildToParentTransactionRequest

Source

[dataEntities/transactionRequest.ts:70](#)

isParentToChildTransactionRequest()

function

isParentToChildTransactionRequest < T

    (possibleRequest : ParentToChildTransactionRequest | IsNotTransactionRequest < T

) : possibleRequest is ParentToChildTransactionRequest Check if an object is of ParentToChildTransactionRequest type

Type parameters

Type parameter T

Parameters

Parameter Type Description possibleRequest [ParentToChildTransactionRequest](#) |IsNotTransactionRequest <T

Returns

possibleRequest is ParentToChildTransactionRequest

Source

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