transactionRequest

Interfaces

L1ToL2TransactionRequest

A transaction request for a transaction that will trigger some sort of execution on the L2

Properties

Property Type Description retryableData [OmitTyped](#) <L1ToL2MessageNoGasParams ,"excessFeeRefundAddress" |"callValueRefundAddress"

&Partial <L1ToL2MessageNoGasParams &L1ToL2MessageGasParams Information about the retryable ticket, and it's subsequent execution, that will occur on L2 txRequest Required <Pick <TransactionRequest ,"data" |"value" |"to" |"from"

Core fields needed to form the L1 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](#)

L2ToL1TransactionRequest

A transaction request for a transaction that will trigger an L2 to L1 message

Properties

Property Type Description estimateL1GasLimit (l1Provider :Provider) =>Promise <BigNumber

Estimate the gas limit required to execute the withdrawal on L1. 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.

Functions

isL1ToL2TransactionRequest()

function

isL1ToL2TransactionRequest < T

(possibleRequest : L1ToL2TransactionRequest | IsNotTransactionRequest < T

) : possibleRequest is L1ToL2TransactionRequest Check if an object is of L1ToL2TransactionRequest type

Type parameters

Type parameter T

Parameters

Parameter Type Description possibleRequest [L1ToL2TransactionRequest](#) |IsNotTransactionRequest <T

Returns

possibleRequest is L1ToL2TransactionRequest

Source

[dataEntities/transactionRequest.ts:57](#)

isL2ToL1TransactionRequest()

function

isL2ToL1TransactionRequest < T

    (possibleRequest : L2ToL1TransactionRequest | IsNotTransactionRequest < T

) : possibleRequest is L2ToL1TransactionRequest Check if an object is of L2ToL1TransactionRequest type

Type parameters

Type parameter T

Parameters

Parameter Type Description possibleRequest [L2ToL1TransactionRequest](#) |IsNotTransactionRequest <T

Returns

possibleRequest is L2ToL1TransactionRequest

Source

[dataEntities/transactionRequest.ts:68](#) [Edit this page](#) [Previous SignerOrProvider](#) [Next Inbox](#)