

# ParentToChildMessage

## Classes

### EthDepositMessage

A message for Eth deposits from Parent to Child

#### Constructors

**new EthDepositMessage()**

new

EthDepositMessage ( childProvider : Provider , childChainId :

number , messageNumber : BigNumber , from :

string , to :

string , value : BigNumber ) : EthDepositMessage

#### Parameters

Parameter Type Description childProvider Provider childChainId number messageNumber BigNumber from string - to string Recipient address of the ETH on Chain value BigNumber

#### Returns

[EthDepositMessage](#)

#### Source

[message/ParentToChildMessage.ts:852](#)

#### Properties

Property Modifier Type Description childChainId readonly number - childProvider private Provider - messageNumber readonly BigNumber - to readonly string Recipient address of the ETH on Chain value readonly BigNumber -

#### Methods

**fromEventComponents()**

static

fromEventComponents ( childProvider : Provider , messageNumber : BigNumber , senderAddr :

string , inboxMessageEventData :

string ) :

Promise < EthDepositMessage

Create an EthDepositMessage from data emitted in event when calling ethDeposit on Inbox.sol

#### Parameters

Parameter Type Description childProvider Provider messageNumber BigNumber The message number in the Inbox.InboxMessageDelivered event senderAddr string The sender address from Bridge.MessageDelivered event inboxMessageEventData string The data field from the Inbox.InboxMessageDelivered event

#### Returns

Promise < [EthDepositMessage](#)

#### Source

[message/ParentToChildMessage.ts:823](#)

**parseEthDepositData()**

static

private

parseEthDepositData ( eventData :

string ) : object Parse the data field in event InboxMessageDelivered(uint256 indexed messageNum, bytes data);

#### Parameters

Parameter Type Description eventData string

#### Returns

object

destination and amount

Member Type to string value BigNumber

#### Source

[message/ParentToChildMessage.ts:802](#)

## Type Aliases

### ParentToChildMessageReaderOrWriter

type

ParentToChildMessageReaderOrWriter < T

:

T

extends

Provider

? ParentToChildMessageReader : ParentToChildMessageWriter ; Conditional type for Signer or Provider. If T is of type Provider then ParentToChildMessageReaderOrWriter will be of type ParentToChildMessageReader. If T is of type Signer then ParentToChildMessageReaderOrWriter will be of type ParentToChildMessageWriter.

#### Type parameters

Type parameter T extends SignerOrProvider

#### Source

[message/ParentToChildMessage.ts:98](#)

### ParentToChildMessageWaitForStatusResult

type

ParentToChildMessageWaitForStatusResult : object | object ; If the status is redeemed, childTxReceipt is populated. For all other statuses childTxReceipt is not populated

#### Source

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