ChildToParentMessageClassic

Classes

ChildToParentMessageReaderClassic

Provides read-only access for classic Child-to-Parent-messages

Extends

- ChildToParentMessageClassic

Extended by

- ChildToParentMessageWriterClassic

Properties

Property Modifier Type Default value Description Inherited from batchNumber readonly BigNumber undefined The number of the batch this message is part of ChildToParentMessageClassic.batchNumber indexInBatch readonly BigNumber undefined The index of this message in the batch ChildToParentMessageClassic.indexInBatch outboxAddress protected null |string null Contains the classic outbox address, or set to zero address if this network did not have a classic outbox deployed -

Methods

getFirstExecutableBlock()

getFirstExecutableBlock (childProvider : Provider) :

Promise < null

| BigNumber

> Estimates the Parent Chain block number in which this Child-to-Parent tx will be available for execution

Parameters

Parameter Type Description childProvider Provider

Returns

Promise <null |BigNumber

Always returns null for classic chainToParentChain messages since they can be executed in any block now.

Source

message/ChildToParentMessageClassic.ts:386

getOutboxAddress()

protected

getOutboxAddress (childProvider : Provider , batchNumber :

number) :

Promise < string

> Classic had 2 outboxes, we need to find the correct one for the provided batch number

Parameters

Parameter Type Description childProvider Provider batchNumber number

Returns

Promise <string

Source

message/ChildToParentMessageClassic.ts:211

hasExecuted()

hasExecuted (childProvider : Provider) :

Promise < boolean

Check if given outbox message has already been executed

Parameters

Parameter Type childProvider Provider

Returns

Promise <boolean

Source

message/ChildToParentMessageClassic.ts:301

status()

status (childProvider : Provider) :

Promise < ChildToParentMessageStatus

Get the status of this message In order to check if the message has been executed proof info must be provided.

Parameters

Parameter Type childProvider Provider

Returns

Promise <ChildToParentMessageStatus

Source

message/ChildToParentMessageClassic.ts:339

tryGetProof()

tryGetProof (childProvider : Provider) :

Promise < null

| MessageBatchProofInfo

Get the execution proof for this message. Returns null if the batch does not exist yet.

Parameters

Parameter Type Description childProvider Provider

Returns

Promise <null |MessageBatchProofInfo

Source

message/ChildToParentMessageClassic.ts:285

waitUntilOutboxEntryCreated()

waitUntilOutboxEntryCreated (childProvider : Provider , retryDelay :

number) :

Promise < CONFIRMED

|

EXECUTED

> Waits until the outbox entry has been created, and will not return until it has been. WARNING: Outbox entries are only created when the corresponding node is confirmed. Which can take 1 week+, so waiting here could be a very long operation.

Parameters

Parameter Type Default value Description childProvider Provider undefined - retryDelay number 500

Returns

Promise <CONFIRMED |EXECUTED

outbox entry status (either executed or confirmed but not pending)

Source

message/ChildToParentMessageClassic.ts:364

fromBatchNumber()

static

fromBatchNumber < T

> (parentSignerOrProvider :

T , batchNumber : BigNumber , indexInBatch : BigNumber , parentProvider ? : Provider) :
ChildToParentMessageReaderOrWriterClassic < T

> Instantiates a newChildToParentMessageWriterClassic orChildToParentMessageReaderClassic object.

Type parameters

Type parameter T extends SignerOrProvider

Parameters

Parameter Type Description parentSignerOrProvider T Signer or provider to be used for executing or reading the Child-to-Parent message. batchNumber BigNumber The number of the batch containing the Child-to-Parent message. indexInBatch BigNumber The index of the Child-to-Parent message within the batch. parentProvider ? Provider Optional. Used to override the Provider which is attached toparentSignerOrProvider in case you need more control. This will be a required parameter in a future major version update.

Returns

ChildToParentMessageReaderOrWriterClassic <T

Inherited from

ChildToParentMessageClassic.fromBatchNumber

Source

message/ChildToParentMessageClassic.ts:128

ChildToParentMessageWriterClassic

Provides read and write access for classic Child-to-Parent-messages

Extends

- [ChildToParentMessageReaderClassic](#)

Constructors

new ChildToParentMessageWriterClassic()

new

ChildToParentMessageWriterClassic (parentSigner : Signer , batchNumber : BigNumber , indexInBatch : BigNumber , parentProvider ? : Provider) : ChildToParentMessageWriterClassic Instantiates a newChildToParentMessageWriterClassic object.

Parameters

Parameter Type Description parentSigner Signer The signer to be used for executing the Child-to-Parent message. batchNumber BigNumber The number of the batch containing the Child-to-Parent message. indexInBatch BigNumber The index of the Child-to-Parent message within the batch. parentProvider ? Provider Optional. Used to override the Provider which is attached toparentSigner in case you need more control. This will be a required parameter in a future major version update.

Returns

[ChildToParentMessageWriterClassic](#)

Overrides

ChildToParentMessageReaderClassic.constructor

Source

[message/ChildToParentMessageClassic.ts:406](#)

Properties

Property Modifier Type Default value Description Inherited from batchNumber readonly BigNumber undefined The number of the batch this message is part of [ChildToParentMessageReaderClassic](#) .batchNumber indexInBatch readonly BigNumber undefined The index of this message in the batch [ChildToParentMessageReaderClassic](#) .indexInBatch outboxAddress protected null |string null Contains the classic outbox address, or set to zero address if this network did not have a classic outbox deployed [ChildToParentMessageReaderClassic](#) .outboxAddress parentSigner private Signer undefined The signer to be used for executing the Child-to-Parent message. -

Methods

execute()

execute (childProvider : Provider , overrides ? : Overrides) :

Promise < ContractTransaction

Executes the ChildToParentMessage on Parent Chain. Will throw an error if the outbox entry has not been created, which happens when the corresponding assertion is confirmed.

Parameters

Parameter Type childProvider Provider overrides ? Overrides

Returns

Promise <ContractTransaction

Source

message/ChildToParentMessageClassic.ts:421

getFirstExecutableBlock()

getFirstExecutableBlock (childProvider : Provider) :

Promise < null

| BigNumber

Estimates the Parent Chain block number in which this Child-to-Parent tx will be available for execution

Parameters

Parameter Type Description childProvider Provider

Returns

Promise <null |BigNumber

Always returns null for classic chainToParentChain messages since they can be executed in any block now.

Inherited from

ChildToParentMessageReaderClassic .getFirstExecutableBlock

Source

message/ChildToParentMessageClassic.ts:386

getOutboxAddress()

protected

getOutboxAddress (childProvider : Provider , batchNumber :

number) :

Promise < string

Classic had 2 outboxes, we need to find the correct one for the provided batch number

Parameters

Parameter Type Description childProvider Provider batchNumber number

Returns

Promise <string

Inherited from

ChildToParentMessageReaderClassic .getOutboxAddress

Source

message/ChildToParentMessageClassic.ts:211

hasExecuted()

hasExecuted (childProvider : Provider) :

Promise < boolean

Check if given outbox message has already been executed

Parameters

Parameter Type childProvider Provider

Returns

Promise <boolean

Inherited from

[ChildToParentMessageReaderClassic](#) [.hasExecuted](#)

Source

[message/ChildToParentMessageClassic.ts:301](#)

status()

status (childProvider : Provider) :

Promise < ChildToParentMessageStatus

Get the status of this message In order to check if the message has been executed proof info must be provided.

Parameters

Parameter Type childProvider Provider

Returns

Promise <ChildToParentMessageStatus

Inherited from

[ChildToParentMessageReaderClassic](#) [.status](#)

Source

[message/ChildToParentMessageClassic.ts:339](#)

tryGetProof()

tryGetProof (childProvider : Provider) :

Promise < null

| MessageBatchProofInfo

Get the execution proof for this message. Returns null if the batch does not exist yet.

Parameters

Parameter Type Description childProvider Provider

Returns

Promise <null |MessageBatchProofInfo

Inherited from

[ChildToParentMessageReaderClassic](#) [.tryGetProof](#)

Source

[message/ChildToParentMessageClassic.ts:285](#)

waitUntilOutboxEntryCreated()

waitUntilOutboxEntryCreated (childProvider : Provider , retryDelay :

number) :

Promise < CONFIRMED

|

EXECUTED

> Waits until the outbox entry has been created, and will not return until it has been. WARNING: Outbox entries are only created when the corresponding node is confirmed. Which can take 1 week+, so waiting here could be a very long operation.

Parameters

Parameter Type Default value Description childProvider Provider undefined - retryDelay number 500

Returns

Promise <CONFIRMED |EXECUTED

outbox entry status (either executed or confirmed but not pending)

Inherited from

[ChildToParentMessageReaderClassic](#) [.waitUntilOutboxEntryCreated](#)

Source

[message/ChildToParentMessageClassic.ts:364](#)

fromBatchNumber()

static

fromBatchNumber < T

> (parentSignerOrProvider :

T , batchNumber : BigNumber , indexInBatch : BigNumber , parentProvider ? : Provider) : ChildToParentMessageReaderOrWriterClassic < T

> Instantiates a newChildToParentMessageWriterClassic orChildToParentMessageReaderClassic object.

Type parameters

Type parameter T extends SignerOrProvider

Parameters

Parameter Type Description parentSignerOrProvider T Signer or provider to be used for executing or reading the Child-to-Parent message. batchNumber BigNumber The number of the batch containing the Child-to-Parent message. indexInBatch BigNumber The index of the Child-to-Parent message within the batch. parentProvider ? Provider Optional. Used to override the Provider which is attached toparentSignerOrProvider in case you need more control. This will be a required parameter in a future major version update.

Returns

[ChildToParentMessageReaderOrWriterClassic](#) <T

Inherited from

[ChildToParentMessageReaderClassic](#) [.fromBatchNumber](#)

Source

[message/ChildToParentMessageClassic.ts:128](#)

Type Aliases

ChildToParentMessageReaderOrWriterClassic

type

ChildToParentMessageReaderOrWriterClassic < T

:

T

extends

Provider

? ChildToParentMessageReaderClassic : ChildToParentMessageWriterClassic ; Conditional type for Signer or Provider. If T is of type Provider then ChildToParentMessageReaderOrWriter will be of type ChildToParentMessageReader. If T is of type Signer then ChildToParentMessageReaderOrWriter will be of type ChildToParentMessageWriter.

Type parameters

Type parameter T extends SignerOrProvider

Source

message/ChildToParentMessageClassic.ts:98 Edit this page Previous ChildToParentMessage Next ChildToParentMessageNitro