erc20Bridger

Classes

AdminErc20Bridger

Admin functionality for the token bridge

Extends

• Erc20Bridger

Constructors

new AdminErc20Bridger()

new

AdminErc20Bridger (childNetwork : ArbitrumNetwork) : AdminErc20Bridger Bridger for moving ERC20 tokens back and forth between parent-to-child

Parameters

Parameter Type childNetwork ArbitrumNetwork

Returns

AdminErc20Bridger

Inherited from

Erc20Bridger .constructor

Source

assetBridger/erc20Bridger.ts:201

Properties

Property Modifier Type Description Inherited from nativeToken? readonly string In case of a chain that uses ETH as its native/gas token, this is eitherundefined or the zero address

In case of a chain that uses an ERC-20 token from the parent network as its native/gas token, this is the address of said token on the parent network <u>Erc20Bridger</u> .nativeToken

Accessors

nativeTokenIsEth

get

protected

nativeTokenIsEth():

boolean Whether the chain uses ETH as its native/gas token

Returns

boolean

Source

assetBridger/assetBridger.ts:71

Methods approveGasToken() approveGasToken (params : ApproveParamsOrTxRequest) : Promise < ContractTransaction Approves the custom gas token to be spent by the relevant gateway on the parent network **Parameters** Parameter Type Description params ApproveParamsOrTxRequest Returns Promise < ContractTransaction Inherited from Erc20Bridger .approveGasToken Source assetBridger/erc20Bridger.ts:272 approveToken() approveToken (params : ApproveParamsOrTxRequest) : Promise < ContractTransaction Approve tokens for deposit to the bridge. The tokens will be approved for the relevant gateway. **Parameters** Parameter Type Description params ApproveParamsOrTxRequest Returns Promise < Contract Transaction Inherited from Erc20Bridger .approveToken Source assetBridger/erc20Bridger.ts:335 checkChildNetwork() protected $check Child Network \ (\ sop: Signer Or Provider\):$ Promise < void

Check the signer/provider matches the child network, throws if not

Parameter Type Description sop SignerOrProvider

Returns

Parameters

Promise < void

```
Erc20Bridger .checkChildNetwork
Source
assetBridger/assetBridger.ts:60
checkParentNetwork()
protected
checkParentNetwork (sop: SignerOrProvider):
Promise < void
     Check the signer/provider matches the parent network, throws if not
Parameters
Parameter Type Description sop SignerOrProvider
Returns
Promise < void
Inherited from
Erc20Bridger .checkParentNetwork
Source
assetBridger/assetBridger.ts:49
deposit()
deposit ( params : Erc20DepositParams | ParentToChildTxReqAndSignerProvider ) :
Promise < ParentContractCallTransaction
     Execute a token deposit from parent to child network
Parameters
Parameter Type Description params Erc20DepositParams | ParentToChildTxReqAndSignerProvider
Returns
Promise < Parent Contract Call Transaction
Inherited from
Erc20Bridger .deposit
Source
assetBridger/erc20Bridger.ts:754
getApproveGasTokenRequest()
getApproveGasTokenRequest ( params : ProviderTokenApproveParams ) :
Promise < Required < Pick < TransactionRequest,
"data"
```

```
"value"
"to"
                 Creates a transaction request for approving the custom gas token to be spent by the
                relevant gateway on the parent network
Parameters
Parameter Type Description params ProviderTokenApproveParams
Returns
Promise < Required < Pick < Transaction Request , "data" | "value" | "to"
Inherited from
Erc20Bridger .getApproveGasTokenRequest
Source
assetBridger/erc20Bridger.ts:256
getApproveTokenRequest()
getApproveTokenRequest ( params : ProviderTokenApproveParams ) :
Promise < Required < Pick < TransactionRequest,
"data"
"value"
"to"
                Get a tx request to approve tokens for deposit to the bridge. The tokens will be approved
                for the relevant gateway.
Parameters
Parameter Type Description params ProviderTokenApproveParams
Returns
Promise <Required <Pick <TransactionRequest ,"data" |"value" |"to"
Inherited from
Erc20Bridger .getApproveTokenRequest
Source
assetBridger/erc20Bridger.ts:302
getChildErc20Address()
getChildErc20Address (erc20ParentAddress:
string, parentProvider: Provider):
Promise < string
```

Get the corresponding child network token address for the provided parent network token **Parameters** Parameter Type Description erc20ParentAddress string parentProvider Provider Returns Promise <string Inherited from Erc20Bridger .getChildErc20Address Source assetBridger/erc20Bridger.ts:487 getChildGatewayAddress() getChildGatewayAddress (erc20ParentAddress : string, childProvider: Provider): Promise < string Get the address of the child gateway for this token **Parameters** Parameter Type Description erc20ParentAddress string childProvider Provider Returns Promise <string Inherited from Erc20Bridger .getChildGatewayAddress assetBridger/erc20Bridger.ts:240 getChildGatewaySetEvents() getChildGatewaySetEvents (childProvider: Provider, filter: object, customNetworkL2GatewayRouter?:

Source

string):

Promise < object []

Get all the gateway set events on the L2 gateway router

Parameters

Parameter Type childProvider Provider filter object filter.fromBlock BlockTag filter.toBlock ? BlockTag customNetworkL2GatewayRouter? string

Returns

Promise

Source[](https://docs.arbitrum.io/welcome/get-started#source-11) [assetBridger/erc20Bridger.ts:1201] (https://github.com/OffchainLabs/arbitrum-

sdk/blob/f5b3d04baf62356032f5475057637d989da5b6c1/src/lib/assetBridger/erc20Bridger.ts#L1201) ##### getChildTokenContract()[](https://docs.arbitrum.io/welcome/get-started#getchildtokencontract) getChildTokenContract (

```
childProvider: Provider, childTokenAddr: string): L2GatewayToken Get the child network token contract at the provided
address Note: This function just returns a typed ethers object for the provided address, it doesn't check the underlying form
of the contract bytecode to see if it's an erc20, and doesn't ensure the validity of any of the underlying functions on that
contract. ##### Parameters[](https://docs.arbitrum.io/welcome/get-started#parameters-11) Parameter Type Description
childProvider Provider childTokenAddr string ##### Returns[](https://docs.arbitrum.io/welcome/get-started#returns-12)
L2GatewayToken ##### Inherited from[](https://docs.arbitrum.io/welcome/get-started#inherited-from-10) [Erc20Bridger]
(https://docs.arbitrum.io/sdk/reference/assetBridger/erc20Bridger#erc20bridger) .[getChildTokenContract]
(https://docs.arbitrum.io/sdk/reference/assetBridger/erc20Bridger#getchildtokencontract-1) ###### Source[]
(https://docs.arbitrum.io/welcome/get-started#source-12) [assetBridger/erc20Bridger.ts:458]
(https://github.com/OffchainLabs/arbitrum-
sdk/blob/f5b3d04baf62356032f5475057637d989da5b6c1/src/lib/assetBridger/erc20Bridger.ts#L458) #####
getDepositRequest()[](https://docs.arbitrum.io/welcome/get-started#getdepositrequest) getDepositRequest ( params :
DepositRequest ): Promise < ParentToChildTransactionRequest > Get the arguments for calling the deposit function
###### Parameters[](https://docs.arbitrum.io/welcome/get-started#parameters-12) Parameter Type Description params
DepositRequest ##### Returns[](https://docs.arbitrum.io/welcome/get-started#returns-13) Promise
<[ParentToChildTransactionRequest]
(https://docs.arbitrum.io/sdk/reference/dataEntities/transactionRequest#parenttochildtransactionrequest) > ##### Inherited
from[](https://docs.arbitrum.io/welcome/get-started#inherited-from-11) [Erc20Bridger]
(https://docs.arbitrum.io/sdk/reference/assetBridger/erc20Bridger#erc20bridger) .[getDepositRequest]
(https://docs.arbitrum.io/sdk/reference/assetBridger/erc20Bridger#getdepositrequest-1) ##### Source[]
(https://docs.arbitrum.io/welcome/get-started#source-13) [assetBridger/erc20Bridger.ts:647]
(https://github.com/OffchainLabs/arbitrum-
sdk/blob/f5b3d04baf62356032f5475057637d989da5b6c1/src/lib/assetBridger/erc20Bridger.ts#L647) #####
getParentErc20Address()[](https://docs.arbitrum.io/welcome/get-started#getparenterc20address) getParentErc20Address (
erc20ChildChainAddress: string, childProvider: Provider): Promise < string > Get the corresponding parent network
address for the provided child network token Validates the returned address against the child network router to ensure it is
correctly mapped to the provided erc20ChildChainAddress ##### Parameters[](https://docs.arbitrum.io/welcome/get-
started#parameters-13) Parameter Type Description erc20ChildChainAddress string childProvider Provider ##### Returns[
[(https://docs.arbitrum.io/welcome/get-started#returns-14) Promise ##### Inherited from[]
(https://docs.arbitrum.io/welcome/get-started#inherited-from-12) [Erc20Bridger]
(https://docs.arbitrum.io/sdk/reference/assetBridger/erc20Bridger#erc20bridger).[getParentErc20Address]
(https://docs.arbitrum.io/sdk/reference/assetBridger/erc20Bridger#getparenterc20address-1) ###### Source[]
(https://docs.arbitrum.io/welcome/get-started#source-14) [assetBridger/erc20Bridger.ts:510]
(https://github.com/OffchainLabs/arbitrum-
sdk/blob/f5b3d04baf62356032f5475057637d989da5b6c1/src/lib/assetBridger/erc20Bridger.ts#L510) #####
getParentGatewayAddress()[](https://docs.arbitrum.io/welcome/get-started#getparentgatewayaddress)
getParentGatewayAddress ( erc20ParentAddress : string , parentProvider : Provider ) : Promise < string > Get the address
of the parent gateway for this token ##### Parameters[](https://docs.arbitrum.io/welcome/get-started#parameters-14)
Parameter Type Description erc20ParentAddress string parentProvider Provider ##### Returns[]
(https://docs.arbitrum.jo/welcome/get-started#returns-15) Promise ##### Inherited from[]
(https://docs.arbitrum.jo/welcome/get-started#inherited-from-13) [Erc20Bridger]
(https://docs.arbitrum.io/sdk/reference/assetBridger/erc20Bridger#erc20bridger) .[getParentGatewayAddress]
(https://docs.arbitrum.io/sdk/reference/assetBridger/erc20Bridger#getparentgatewayaddress-1) ##### Source[]
(https://docs.arbitrum.io/welcome/get-started#source-15) [assetBridger/erc20Bridger.ts:222]
(https://github.com/OffchainLabs/arbitrum-
sdk/blob/f5b3d04baf62356032f5475057637d989da5b6c1/src/lib/assetBridger/erc20Bridger.ts#L222) #####
getParentGatewaySetEvents()[](https://docs.arbitrum.io/welcome/get-started#getparentgatewaysetevents)
getParentGatewaySetEvents (parentProvider: Provider, filter: object): Promise < object] > Get all the gateway set
events on the Parent gateway router ##### Parameters[](https://docs.arbitrum.io/welcome/get-started#parameters-15)
Parameter Type Description parentProvider Provider filter object - filter.fromBlock BlockTag - filter.toBlock BlockTag -
###### Returns[](https://docs.arbitrum.io/welcome/get-started#returns-16) Promise ###### Source[]
(https://docs.arbitrum.io/welcome/get-started#source-16) [assetBridger/erc20Bridger.ts:1177]
(https://github.com/OffchainLabs/arbitrum-
sdk/blob/f5b3d04baf62356032f5475057637d989da5b6c1/src/lib/assetBridger/erc20Bridger.ts#L1177) #####
getParentTokenContract()[](https://docs.arbitrum.io/welcome/get-started#getparenttokencontract) getParentTokenContract (
parentProvider: Provider, parentTokenAddr: string): ERC20 Get the parent token contract at the provided address Note:
This function just returns a typed ethers object for the provided address, it doesn't check the underlying form of the contract
bytecode to see if it's an erc20, and doesn't ensure the validity of any of the underlying functions on that contract. #####
Parameters[](https://docs.arbitrum.io/welcome/get-started#parameters-16) Parameter Type Description parentProvider
Provider parentTokenAddr string ##### Returns[](https://docs.arbitrum.io/welcome/get-started#returns-17) ERC20 ######
Inherited from[](https://docs.arbitrum.io/welcome/get-started#inherited-from-14) [Erc20Bridger]
(https://docs.arbitrum.io/sdk/reference/assetBridger/erc20Bridger#erc20bridger) .[getParentTokenContract]
(https://docs.arbitrum.io/sdk/reference/assetBridger/erc20Bridger#getparenttokencontract-1) ##### Source[]
(https://docs.arbitrum.io/welcome/get-started#source-17) [assetBridger/erc20Bridger.ts:474]
(https://github.com/OffchainLabs/arbitrum-
sdk/blob/f5b3d04baf62356032f5475057637d989da5b6c1/src/lib/assetBridger/erc20Bridger.ts#L474) #####
getWithdrawalEvents()[](https://docs.arbitrum.io/welcome/get-started#getwithdrawalevents) getWithdrawalEvents (
childProvider: Provider, gatewayAddress: string, filter: object, parentTokenAddress?: string, fromAddress?: string,
```

```
toAddress ?: string ): Promise < object & object [] > Get the child network events created by a withdrawal ######
Parameters[](https://docs.arbitrum.io/welcome/get-started#parameters-17) Parameter Type Description childProvider
Provider gatewayAddress string filter object filter.fromBlock BlockTag - filter.toBlock ? BlockTag - parentTokenAddress ?
string fromAddress ? string toAddress ? string - ##### Returns[](https://docs.arbitrum.io/welcome/get-started#returns-18)
Promise ##### Inherited from[](https://docs.arbitrum.io/welcome/get-started#inherited-from-15) [Erc20Bridger]
(https://docs.arbitrum.io/sdk/reference/assetBridger/erc20Bridger#erc20bridger). [getWithdrawalEvents]
(https://docs.arbitrum.io/sdk/reference/assetBridger/erc20Bridger#getwithdrawalevents-1) ###### Source[]
(https://docs.arbitrum.io/welcome/get-started#source-18) [assetBridger/erc20Bridger.ts:363]
(https://github.com/OffchainLabs/arbitrum-
sdk/blob/f5b3d04baf62356032f5475057637d989da5b6c1/src/lib/assetBridger/erc20Bridger.ts#L363) #####
getWithdrawalRequest()[](https://docs.arbitrum.io/welcome/get-started#getwithdrawalrequest) getWithdrawalRequest (
params: Erc20WithdrawParams): Promise < ChildToParentTransactionRequest > Get the arguments for calling the token
withdrawal function ##### Parameters[](https://docs.arbitrum.io/welcome/get-started#parameters-18) Parameter Type
Description params Erc20WithdrawParams ##### Returns[](https://docs.arbitrum.io/welcome/get-started#returns-19)
Promise <[ChildToParentTransactionRequest]
(https://docs.arbitrum.io/sdk/reference/dataEntities/transactionRequest#childtoparenttransactionrequest) > ##### Inherited
from[](https://docs.arbitrum.io/welcome/get-started#inherited-from-16) [Erc20Bridger]
(https://docs.arbitrum.io/sdk/reference/assetBridger/erc20Bridger#erc20bridger).[getWithdrawalRequest]
(https://docs.arbitrum.io/sdk/reference/assetBridger/erc20Bridger#getwithdrawalreguest-1) ###### Source[]
(https://docs.arbitrum.io/welcome/get-started#source-19) [assetBridger/erc20Bridger.ts:811]
(https://github.com/OffchainLabs/arbitrum-
sdk/blob/f5b3d04baf62356032f5475057637d989da5b6c1/src/lib/assetBridger/erc20Bridger.ts#L811) #####
isDepositDisabled()[](https://docs.arbitrum.io/welcome/get-started#isdepositdisabled) isDepositDisabled (
parentTokenAddress: string, parentProvider: Provider): Promise < boolean > Whether the token has been disabled on
the router ##### Parameters[](https://docs.arbitrum.io/welcome/get-started#parameters-19) Parameter Type Description
parentTokenAddress string parentProvider Provider ##### Returns[](https://docs.arbitrum.io/welcome/get-started#returns-
20) Promise ##### Inherited from[](https://docs.arbitrum.io/welcome/get-started#inherited-from-17) [Erc20Bridger]
(https://docs.arbitrum.io/sdk/reference/assetBridger/erc20Bridger#erc20bridger) .[isDepositDisabled]
(https://docs.arbitrum.io/sdk/reference/assetBridger/erc20Bridger#isdepositdisabled-1) ###### Source[]
(https://docs.arbitrum.io/welcome/get-started#source-20) [assetBridger/erc20Bridger.ts:556]
(https://github.com/OffchainLabs/arbitrum-
sdk/blob/f5b3d04baf62356032f5475057637d989da5b6c1/src/lib/assetBridger/erc20Bridger.ts#L556) #### isRegistered()[]
(https://docs.arbitrum.io/welcome/get-started#isregistered) isRegistered ( __namedParameters : object ) : Promise <
boolean > Checks if the token has been properly registered on both gateways. Mostly useful for tokens that use a custom
gateway. ##### Parameters[](https://docs.arbitrum.io/welcome/get-started#parameters-20) Parameter Type
__namedParameters object __namedParameters.childProvider Provider __namedParameters.erc20ParentAddress string
  namedParameters.parentProvider Provider ###### Returns[](https://docs.arbitrum.io/welcome/get-started#returns-21)
Promise ##### Inherited from[](https://docs.arbitrum.io/welcome/get-started#inherited-from-18) [Erc20Bridger]
(https://docs.arbitrum.io/sdk/reference/assetBridger/erc20Bridger#erc20bridger) .[isRegistered]
(https://docs.arbitrum.io/sdk/reference/assetBridger/erc20Bridger#isregistered-1) ##### Source[]
(https://docs.arbitrum.io/welcome/get-started#source-21) [assetBridger/erc20Bridger.ts:907]
(https://github.com/OffchainLabs/arbitrum-
sdk/blob/f5b3d04baf62356032f5475057637d989da5b6c1/src/lib/assetBridger/erc20Bridger.ts#L907) #####
registerCustomToken()[](https://docs.arbitrum.io/welcome/get-started#registercustomtoken) registerCustomToken (
parentTokenAddress: string, childTokenAddress: string, parentSigner: Signer, childProvider: Provider): Promise <
ParentContractTransaction < ParentTransactionReceipt >> Register a custom token on the Arbitrum bridge
See[https://developer.offchainlabs.com/docs/bridging_assets#the-arbitrum-generic-custom-gateway]
(https://developer.offchainlabs.com/docs/bridging_assets#the-arbitrum-generic-custom-gateway) for more details ######
Parameters[](https://docs.arbitrum.io/welcome/get-started#parameters-21) Parameter Type Description parentTokenAddress
string Address of the already deployed parent token. Must inherit
from[https://developer.offchainlabs.com/docs/sol_contract_docs/md_docs/arb-bridge-
peripherals/tokenbridge/ethereum/icustomtoken](https://developer.offchainlabs.com/docs/sol_contract_docs/md_docs/arb-
bridge-peripherals/tokenbridge/ethereum/icustomtoken). childTokenAddress string Address of the already deployed child
token. Must inherit from[https://developer.offchainlabs.com/docs/sol_contract_docs/md_docs/arb-bridge-
peripherals/tokenbridge/arbitrum/iarbtoken](https://developer.offchainlabs.com/docs/sol_contract_docs/md_docs/arb-bridge-
peripherals/tokenbridge/arbitrum/iarbtoken). parentSigner Signer The signer with the rights to callregisterTokenOnL2 on the
parent token childProvider Provider Arbitrum rpc provider ##### Returns[](https://docs.arbitrum.io/welcome/get-
started#returns-22) Promise > ##### Source[](https://docs.arbitrum.io/welcome/get-started#source-22)
[assetBridger/erc20Bridger.ts:1018](https://github.com/OffchainLabs/arbitrum-
sdk/blob/f5b3d04baf62356032f5475057637d989da5b6c1/src/lib/assetBridger/erc20Bridger.ts#L1018) ##### setGateways()[]
(https://docs.arbitrum.io/welcome/get-started#setgateways) setGateways ( parentSigner : Signer , childProvider : Provider ,
tokenGateways: TokenAndGateway [], options?: GasOverrides): Promise < ParentContractCallTransaction > Register
the provided token addresses against the provided gateways ##### Parameters[](https://docs.arbitrum.io/welcome/get-
started#parameters-22) Parameter Type Description parentSigner Signer childProvider Provider tokenGateways
TokenAndGateway [] options ? GasOverrides - ##### Returns[](https://docs.arbitrum.io/welcome/get-started#returns-23)
Promise ##### Source[](https://docs.arbitrum.io/welcome/get-started#source-23) [assetBridger/erc20Bridger.ts:1234]
(https://github.com/OffchainLabs/arbitrum-
```

sdk/blob/f5b3d04baf62356032f5475057637d989da5b6c1/src/lib/assetBridger/erc20Bridger.ts#L1234) #### withdraw()[]

```
(https://docs.arbitrum.io/welcome/get-started#withdraw) withdraw (params: ChildToParentTxReqAndSigner | OmitTyped <
Erc20WithdrawParams, "from" > & object ): Promise < ChildContractTransaction > Withdraw tokens from child to parent
network ##### Parameters[](https://docs.arbitrum.io/welcome/get-started#parameters-23) Parameter Type Description
params ChildToParentTxReqAndSigner |[OmitTyped](https://docs.arbitrum.io/sdk/reference/utils/types#omittypedtk) &object
###### Returns[](https://docs.arbitrum.io/welcome/get-started#returns-24) Promise ##### Inherited from[]
(https://docs.arbitrum.io/welcome/get-started#inherited-from-19) [Erc20Bridger]
(https://docs.arbitrum.io/sdk/reference/assetBridger/erc20Bridger#erc20bridger) .[withdraw]
(https://docs.arbitrum.io/sdk/reference/assetBridger/erc20Bridger#withdraw-1) ##### Source[]
(https://docs.arbitrum.io/welcome/get-started#source-24) [assetBridger/erc20Bridger.ts:874]
(https://github.com/OffchainLabs/arbitrum-
sdk/blob/f5b3d04baf62356032f5475057637d989da5b6c1/src/lib/assetBridger/erc20Bridger.ts#L874) ##### fromProvider()[]
(https://docs.arbitrum.io/welcome/get-started#fromprovider) static fromProvider (childProvider: Provider): Promise <
Erc20Bridger > Instantiates a new Erc20Bridger from a child provider ##### Parameters[]
(https://docs.arbitrum.io/welcome/get-started#parameters-24) Parameter Type Description childProvider Provider ######
Returns[](https://docs.arbitrum.io/welcome/get-started#returns-25) Promise <[Erc20Bridger]
(https://docs.arbitrum.io/sdk/reference/assetBridger/erc20Bridger#erc20bridger) > ##### Inherited from[]
(https://docs.arbitrum.io/welcome/get-started#inherited-from-20) [Erc20Bridger]
(https://docs.arbitrum.io/sdk/reference/assetBridger/erc20Bridger#erc20bridger) .[fromProvider]
(https://docs.arbitrum.io/sdk/reference/assetBridger/erc20Bridger#fromprovider-1) ##### Source[]
(https://docs.arbitrum.io/welcome/get-started#source-25) [assetBridger/erc20Bridger.ts:212]
(https://github.com/OffchainLabs/arbitrum-
sdk/blob/f5b3d04baf62356032f5475057637d989da5b6c1/src/lib/assetBridger/erc20Bridger.ts#L212) ### Erc20Bridger[]
(https://docs.arbitrum.io/welcome/get-started#erc20bridger) Bridger for moving ERC20 tokens back and forth between
parent-to-child #### Extends[](https://docs.arbitrum.io/welcome/get-started#extends-1) * [AssetBridger]
(https://docs.arbitrum.io/sdk/reference/assetBridger/#assetbridgerdepositparamswithdrawparams) * |
[ChildToParentTransactionRequest]
(https://docs.arbitrum.io/sdk/reference/dataEntities/transactionRequest#childtoparenttransactionrequest) * > #### Extended
by[](https://docs.arbitrum.io/welcome/get-started#extended-by) * [AdminErc20Bridger]
(https://docs.arbitrum.io/sdk/reference/assetBridger/erc20Bridger#adminerc20bridger) #### Constructors[]
(https://docs.arbitrum.io/welcome/get-started#constructors-1) ##### new Erc20Bridger()[]
(https://docs.arbitrum.io/welcome/get-started#new-erc20bridger) new Erc20Bridger (childNetwork: ArbitrumNetwork):
Erc20Bridger Bridger for moving ERC20 tokens back and forth between parent-to-child ##### Parameters[]
(https://docs.arbitrum.io/welcome/get-started#parameters-25) Parameter Type childNetwork [ArbitrumNetwork]
(https://docs.arbitrum.io/sdk/reference/dataEntities/networks#arbitrumnetwork) ##### Returns[]
(https://docs.arbitrum.io/welcome/get-started#returns-26) [Erc20Bridger]
(https://docs.arbitrum.io/sdk/reference/assetBridger/erc20Bridger#erc20bridger) ##### Overrides[]
(https://docs.arbitrum.io/welcome/get-started#overrides) AssetBridger< Erc20DepositParams |
ParentToChildTxReqAndSignerProvider, OmitTyped | ChildToParentTransactionRequest >.constructor ###### Source[]
(https://docs.arbitrum.io/welcome/get-started#source-26) [assetBridger/erc20Bridger.ts:201]
(https://github.com/OffchainLabs/arbitrum-
sdk/blob/f5b3d04baf62356032f5475057637d989da5b6c1/src/lib/assetBridger/erc20Bridger.ts#L201) #### Properties[]
(https://docs.arbitrum.io/welcome/get-started#properties-1) Property Modifier Type Description Inherited from nativeToken?
readonly string In case of a chain that uses ETH as its native/gas token, this is eitherundefined or the zero address In case
of a chain that uses an ERC-20 token from the parent network as its native/gas token, this is the address of said token on
the parent network [AssetBridger]
(https://docs.arbitrum.io/sdk/reference/assetBridger/#assetbridgerdepositparamswithdrawparams) .nativeToken ####
Accessors[](https://docs.arbitrum.io/welcome/get-started#accessors-1) #### nativeTokenIsEth[]
(https://docs.arbitrum.io/welcome/get-started#nativetokeniseth-1) get protected nativeTokenIsEth (): boolean Whether the
chain uses ETH as its native/gas token ###### Returns[](https://docs.arbitrum.io/welcome/get-started#returns-27) boolean
###### Source[](https://docs.arbitrum.io/welcome/get-started#source-27) [assetBridger/assetBridger.ts:71]
(https://github.com/OffchainLabs/arbitrum-
sdk/blob/f5b3d04baf62356032f5475057637d989da5b6c1/src/lib/assetBridger/assetBridger.ts#L71) #### Methods[]
(https://docs.arbitrum.io/welcome/get-started#methods-1) ##### approveGasToken()[](https://docs.arbitrum.io/welcome/get-
started#approvegastoken-1) approveGasToken ( params : ApproveParamsOrTxRequest ) : Promise < ContractTransaction
> Approves the custom gas token to be spent by the relevant gateway on the parent network ##### Parameters[]
(https://docs.arbitrum.io/welcome/get-started#parameters-26) Parameter Type Description params
ApproveParamsOrTxRequest ##### Returns[](https://docs.arbitrum.io/welcome/get-started#returns-28) Promise #####
Source[](https://docs.arbitrum.io/welcome/get-started#source-28) [assetBridger/erc20Bridger.ts:272]
(https://github.com/OffchainLabs/arbitrum-
sdk/blob/f5b3d04baf62356032f5475057637d989da5b6c1/src/lib/assetBridger/erc20Bridger.ts#L272) ##### approveToken()[
](https://docs.arbitrum.io/welcome/get-started#approvetoken-1) approveToken ( params : ApproveParamsOrTxRequest ) :
Promise < ContractTransaction > Approve tokens for deposit to the bridge. The tokens will be approved for the relevant
gateway. ##### Parameters[](https://docs.arbitrum.io/welcome/get-started#parameters-27) Parameter Type Description
params ApproveParamsOrTxRequest ##### Returns[](https://docs.arbitrum.io/welcome/get-started#returns-29) Promise
###### Source[](https://docs.arbitrum.io/welcome/get-started#source-29) [assetBridger/erc20Bridger.ts:335]
(https://github.com/OffchainLabs/arbitrum-
sdk/blob/f5b3d04baf62356032f5475057637d989da5b6c1/src/lib/assetBridger/erc20Bridger.ts#L335) #####
```

checkChildNetwork()[](https://docs.arbitrum.io/welcome/get-started#checkchildnetwork-1) protected checkChildNetwork (

```
sop: SignerOrProvider): Promise < void > Check the signer/provider matches the child network, throws if not ######
Parameters[](https://docs.arbitrum.io/welcome/get-started#parameters-28) Parameter Type Description sop
SignerOrProvider ##### Returns[](https://docs.arbitrum.io/welcome/get-started#returns-30) Promise ##### Inherited from[
](https://docs.arbitrum.io/welcome/get-started#inherited-from-21) [AssetBridger]
(https://docs.arbitrum.io/sdk/reference/assetBridger/#assetbridgerdepositparamswithdrawparams).[checkChildNetwork]
(https://docs.arbitrum.io/sdk/reference/assetBridger/#checkchildnetwork) ##### Source[]
(https://docs.arbitrum.io/welcome/get-started#source-30) [assetBridger/assetBridger.ts:60]
(https://github.com/OffchainLabs/arbitrum-
sdk/blob/f5b3d04baf62356032f5475057637d989da5b6c1/src/lib/assetBridger/assetBridger.ts#L60) #####
checkParentNetwork()[](https://docs.arbitrum.io/welcome/get-started#checkparentnetwork-1) protected checkParentNetwork
( sop : SignerOrProvider ) : Promise < void > Check the signer/provider matches the parent network, throws if not ######
Parameters[](https://docs.arbitrum.io/welcome/get-started#parameters-29) Parameter Type Description sop
SignerOrProvider ##### Returns[](https://docs.arbitrum.io/welcome/get-started#returns-31) Promise ##### Inherited from[
[https://docs.arbitrum.io/welcome/get-started#inherited-from-22) [AssetBridger]
(https://docs.arbitrum.io/sdk/reference/assetBridger/#assetbridgerdepositparamswithdrawparams). [checkParentNetwork]
(https://docs.arbitrum.io/sdk/reference/assetBridger/#checkparentnetwork) ##### Source[]
(https://docs.arbitrum.io/welcome/get-started#source-31) [assetBridger/assetBridger.ts:49]
(https://github.com/OffchainLabs/arbitrum-
sdk/blob/f5b3d04baf62356032f5475057637d989da5b6c1/src/lib/assetBridger/assetBridger.ts#L49) #### deposit()[]
(https://docs.arbitrum.io/welcome/get-started#deposit-1) deposit ( params : Erc20DepositParams |
ParentToChildTxReqAndSignerProvider): Promise < ParentContractCallTransaction > Execute a token deposit from parent
to child network ##### Parameters[](https://docs.arbitrum.io/welcome/get-started#parameters-30) Parameter Type
Description params Erc20DepositParams |ParentToChildTxRegAndSignerProvider ##### Returns[]
(https://docs.arbitrum.io/welcome/get-started#returns-32) Promise ##### Overrides[](https://docs.arbitrum.io/welcome/get-
started#overrides-1) [AssetBridger]
(https://docs.arbitrum.io/sdk/reference/assetBridger/#assetbridgerdepositparamswithdrawparams).[deposit]
(https://docs.arbitrum.io/sdk/reference/assetBridger/#deposit) ##### Source[](https://docs.arbitrum.io/welcome/get-
started#source-32) [assetBridger/erc20Bridger.ts:754](https://github.com/OffchainLabs/arbitrum-
sdk/blob/f5b3d04baf62356032f5475057637d989da5b6c1/src/lib/assetBridger/erc20Bridger.ts#L754) #####
getApproveGasTokenRequest()[](https://docs.arbitrum.io/welcome/get-started#getapprovegastokenrequest-1)
getApproveGasTokenRequest ( params : ProviderTokenApproveParams ) : Promise < Required < Pick <
TransactionRequest, "data" | "value" | "to" >>> Creates a transaction request for approving the custom gas token to be
spent by the relevant gateway on the parent network ##### Parameters[](https://docs.arbitrum.io/welcome/get-
started#parameters-31) Parameter Type Description params ProviderTokenApproveParams ##### Returns[]
(https://docs.arbitrum.io/welcome/get-started#returns-33) Promise >> ###### Source[](https://docs.arbitrum.io/welcome/get-
started#source-33) [assetBridger/erc20Bridger.ts:256](https://github.com/OffchainLabs/arbitrum-
sdk/blob/f5b3d04baf62356032f5475057637d989da5b6c1/src/lib/assetBridger/erc20Bridger.ts#L256) #####
getApproveTokenRequest()[](https://docs.arbitrum.io/welcome/get-started#getapprovetokenrequest-1)
getApproveTokenRequest (params: ProviderTokenApproveParams): Promise < Required < Pick < TransactionRequest,
"data" | "value" | "to" >>> Get a tx request to approve tokens for deposit to the bridge. The tokens will be approved for the
relevant gateway. ##### Parameters[](https://docs.arbitrum.io/welcome/get-started#parameters-32) Parameter Type
Description params ProviderTokenApproveParams ##### Returns[](https://docs.arbitrum.io/welcome/get-started#returns-
34) Promise >> ##### Source[](https://docs.arbitrum.io/welcome/get-started#source-34) [assetBridger/erc20Bridger.ts:302]
(https://github.com/OffchainLabs/arbitrum-
sdk/blob/f5b3d04baf62356032f5475057637d989da5b6c1/src/lib/assetBridger/erc20Bridger.ts#L302) #####
getChildErc20Address()[](https://docs.arbitrum.io/welcome/get-started#getchilderc20address-1) getChildErc20Address (
erc20ParentAddress: string, parentProvider: Provider): Promise < string > Get the corresponding child network token
address for the provided parent network token ##### Parameters[](https://docs.arbitrum.io/welcome/get-
started#parameters-33) Parameter Type Description erc20ParentAddress string parentProvider Provider ##### Returns[]
(https://docs.arbitrum.io/welcome/get-started#returns-35) Promise ##### Source[](https://docs.arbitrum.io/welcome/get-
started#source-35) [assetBridger/erc20Bridger.ts:487](https://github.com/OffchainLabs/arbitrum-
sdk/blob/f5b3d04baf62356032f5475057637d989da5b6c1/src/lib/assetBridger/erc20Bridger.ts#L487) #####
getChildGatewayAddress()[](https://docs.arbitrum.io/welcome/get-started#getchildgatewayaddress-1)
getChildGatewayAddress (erc20ParentAddress: string, childProvider: Provider): Promise < string > Get the address of
the child gateway for this token ##### Parameters[](https://docs.arbitrum.io/welcome/get-started#parameters-34)
Parameter Type Description erc20ParentAddress string childProvider Provider ##### Returns[]
(https://docs.arbitrum.io/welcome/get-started#returns-36) Promise ##### Source[](https://docs.arbitrum.io/welcome/get-
started#source-36) [assetBridger/erc20Bridger.ts:240](https://github.com/OffchainLabs/arbitrum-
sdk/blob/f5b3d04baf62356032f5475057637d989da5b6c1/src/lib/assetBridger/erc20Bridger.ts#L240) #####
getChildTokenContract()[](https://docs.arbitrum.io/welcome/get-started#getchildtokencontract-1) getChildTokenContract (
childProvider: Provider, childTokenAddr: string): L2GatewayToken Get the child network token contract at the provided
address Note: This function just returns a typed ethers object for the provided address, it doesn't check the underlying form
of the contract bytecode to see if it's an erc20, and doesn't ensure the validity of any of the underlying functions on that
contract. ##### Parameters[](https://docs.arbitrum.io/welcome/get-started#parameters-35) Parameter Type Description
childProvider Provider childTokenAddr string ##### Returns[](https://docs.arbitrum.io/welcome/get-started#returns-37)
L2GatewayToken ##### Source[](https://docs.arbitrum.io/welcome/get-started#source-37)
[assetBridger/erc20Bridger.ts:458](https://github.com/OffchainLabs/arbitrum-
sdk/blob/f5b3d04baf62356032f5475057637d989da5b6c1/src/lib/assetBridger/erc20Bridger.ts#L458) #####
```

```
getDepositRequest()[](https://docs.arbitrum.io/welcome/get-started#getdepositrequest-1) getDepositRequest ( params :
DepositReguest ): Promise < ParentToChildTransactionReguest > Get the arguments for calling the deposit function
##### Parameters[](https://docs.arbitrum.io/welcome/get-started#parameters-36) Parameter Type Description params
DepositRequest ##### Returns[](https://docs.arbitrum.io/welcome/get-started#returns-38) Promise
<[ParentToChildTransactionRequest]
(https://docs.arbitrum.io/sdk/reference/dataEntities/transactionRequest#parenttochildtransactionrequest) > ###### Source[]
(https://docs.arbitrum.io/welcome/get-started#source-38) [assetBridger/erc20Bridger.ts:647]
(https://github.com/OffchainLabs/arbitrum-
sdk/blob/f5b3d04baf62356032f5475057637d989da5b6c1/src/lib/assetBridger/erc20Bridger.ts#L647) #####
getDepositRequestCallValue()[](https://docs.arbitrum.io/welcome/get-started#getdepositrequestcallvalue) private
getDepositRequestCallValue ( depositParams : OmitTyped < ParentToChildMessageGasParams , "deposit" > ) : BigNumber
 BigNumber Get the call value for the deposit transaction request ##### Parameters[]
(https://docs.arbitrum.io/welcome/get-started#parameters-37) Parameter Type Description depositParams [OmitTyped]
(https://docs.arbitrum.io/sdk/reference/utils/types#omittypedtk) ##### Returns[](https://docs.arbitrum.io/welcome/get-
started#returns-39) BigNumber |BigNumber ##### Source[](https://docs.arbitrum.io/welcome/get-started#source-39)
[assetBridger/erc20Bridger.ts:589](https://github.com/OffchainLabs/arbitrum-
sdk/blob/f5b3d04baf62356032f5475057637d989da5b6c1/src/lib/assetBridger/erc20Bridger.ts#L589) #####
getDepositRequestOutboundTransferInnerData()[](https://docs.arbitrum.io/welcome/get-
started#getdepositrequestoutboundtransferinnerdata) private getDepositRequestOutboundTransferInnerData (
depositParams: OmitTyped < ParentToChildMessageGasParams, "deposit" > ): string Get thedata param for call
tooutboundTransfer ##### Parameters[](https://docs.arbitrum.io/welcome/get-started#parameters-38) Parameter Type
Description depositParams [OmitTyped](https://docs.arbitrum.io/sdk/reference/utils/types#omittypedtk) ##### Returns[]
(https://docs.arbitrum.io/welcome/get-started#returns-40) string ##### Source[](https://docs.arbitrum.io/welcome/get-
started#source-40) [assetBridger/erc20Bridger.ts:612](https://github.com/OffchainLabs/arbitrum-
sdk/blob/f5b3d04baf62356032f5475057637d989da5b6c1/src/lib/assetBridger/erc20Bridger.ts#L612) #####
getParentErc20Address()[](https://docs.arbitrum.io/welcome/get-started#getparenterc20address-1) getParentErc20Address (
erc20ChildChainAddress: string, childProvider: Provider): Promise < string > Get the corresponding parent network
address for the provided child network token Validates the returned address against the child network router to ensure it is
correctly mapped to the provided erc20ChildChainAddress ##### Parameters[](https://docs.arbitrum.io/welcome/get-
started#parameters-39) Parameter Type Description erc20ChildChainAddress string childProvider Provider ##### Returns[
](https://docs.arbitrum.io/welcome/get-started#returns-41) Promise ###### Source[](https://docs.arbitrum.io/welcome/get-started#returns-41)
started#source-41) [assetBridger/erc20Bridger.ts:510](https://github.com/OffchainLabs/arbitrum-
sdk/blob/f5b3d04baf62356032f5475057637d989da5b6c1/src/lib/assetBridger/erc20Bridger.ts#L510) #####
getParentGatewayAddress() [] (https://docs.arbitrum.io/welcome/get-started\#getparentgatewayaddress-1) \\
getParentGatewayAddress ( erc20ParentAddress : string , parentProvider : Provider ) : Promise < string > Get the address
of the parent gateway for this token ##### Parameters[](https://docs.arbitrum.io/welcome/get-started#parameters-40)
Parameter Type Description erc20ParentAddress string parentProvider Provider ##### Returns[]
(https://docs.arbitrum.io/welcome/get-started#returns-42) Promise ##### Source[](https://docs.arbitrum.io/welcome/get-
started#source-42) [assetBridger/erc20Bridger.ts:222](https://github.com/OffchainLabs/arbitrum-
sdk/blob/f5b3d04baf62356032f5475057637d989da5b6c1/src/lib/assetBridger/erc20Bridger.ts#L222) #####
getParentTokenContract()[](https://docs.arbitrum.io/welcome/get-started#getparenttokencontract-1) getParentTokenContract
( parentProvider : Provider , parentTokenAddr : string ) : ERC20 Get the parent token contract at the provided address Note:
This function just returns a typed ethers object for the provided address, it doesn't check the underlying form of the contract
bytecode to see if it's an erc20, and doesn't ensure the validity of any of the underlying functions on that contract. #####
Parameters[](https://docs.arbitrum.io/welcome/get-started#parameters-41) Parameter Type Description parentProvider
Provider parentTokenAddr string ##### Returns[](https://docs.arbitrum.io/welcome/get-started#returns-43) ERC20 ######
Source[](https://docs.arbitrum.io/welcome/get-started#source-43) [assetBridger/erc20Bridger.ts:474]
(https://github.com/OffchainLabs/arbitrum-
sdk/blob/f5b3d04baf62356032f5475057637d989da5b6c1/src/lib/assetBridger/erc20Bridger.ts#L474) #####
getWithdrawalEvents()[](https://docs.arbitrum.io/welcome/get-started#getwithdrawalevents-1) getWithdrawalEvents (
childProvider: Provider, gatewayAddress: string, filter: object, parentTokenAddress?: string, fromAddress?: string,
toAddress ?: string ): Promise < object & object [] > Get the child network events created by a withdrawal ######
Parameters[](https://docs.arbitrum.io/welcome/get-started#parameters-42) Parameter Type Description childProvider
Provider gatewayAddress string filter object filter.fromBlock BlockTag - filter.toBlock ? BlockTag - parentTokenAddress ?
string fromAddress? string toAddress? string - ##### Returns[](https://docs.arbitrum.io/welcome/get-started#returns-44)
Promise ###### Source[](https://docs.arbitrum.io/welcome/get-started#source-44) [assetBridger/erc20Bridger.ts:363]
(https://github.com/OffchainLabs/arbitrum-
sdk/blob/f5b3d04baf62356032f5475057637d989da5b6c1/src/lib/assetBridger/erc20Bridger.ts#L363) #####
getWithdrawalRequest()[](https://docs.arbitrum.io/welcome/get-started#getwithdrawalrequest-1) getWithdrawalRequest (
params: Erc20WithdrawParams): Promise < ChildToParentTransactionRequest > Get the arguments for calling the token
```

(https://docs.arbitrum.io/welcome/get-started#source-45) [assetBridger/erc20Bridger.ts:811] (https://github.com/OffchainLabs/arbitrum-sdk/blob/f5b3d04baf62356032f5475057637d989da5b6c1/src/lib/assetBridger/erc20Bridger.ts#L811) #####

(https://docs.arbitrum.io/sdk/reference/dataEntities/transactionRequest#childtoparenttransactionrequest) > ###### Source[]

withdrawal function ##### Parameters[](https://docs.arbitrum.io/welcome/get-started#parameters-43) Parameter Type Description params Erc20WithdrawParams ##### Returns[](https://docs.arbitrum.io/welcome/get-started#returns-45)

sdk/blob/f5b3d04baf62356032f5475057637d989da5b6c1/src/lib/assetBridger/erc20Bridger.fs#L811) ##### isDepositDisabled()[](https://docs.arbitrum.io/welcome/get-started#isdepositdisabled-1) isDepositDisabled (

Promise <[ChildToParentTransactionRequest]

```
parentTokenAddress: string, parentProvider: Provider): Promise < boolean > Whether the token has been disabled on
the router ##### Parameters[](https://docs.arbitrum.io/welcome/get-started#parameters-44) Parameter Type Description
parentTokenAddress string parentProvider Provider ##### Returns[](https://docs.arbitrum.io/welcome/get-started#returns-
46) Promise ##### Source[](https://docs.arbitrum.io/welcome/get-started#source-46) [assetBridger/erc20Bridger.ts:556]
(https://github.com/OffchainLabs/arbitrum-
sdk/blob/f5b3d04baf62356032f5475057637d989da5b6c1/src/lib/assetBridger/erc20Bridger.ts#L556) #### isRegistered()[]
(https://docs.arbitrum.io/welcome/get-started#isregistered-1) isRegistered ( __namedParameters : object ) : Promise <
boolean > Checks if the token has been properly registered on both gateways. Mostly useful for tokens that use a custom
gateway. ##### Parameters[](https://docs.arbitrum.io/welcome/get-started#parameters-45) Parameter Type
__namedParameters object __namedParameters.childProvider Provider __namedParameters.erc20ParentAddress string
  _namedParameters.parentProvider Provider ###### Returns[](https://docs.arbitrum.io/welcome/get-started#returns-47)
Promise ###### Source[](https://docs.arbitrum.io/welcome/get-started#source-47) [assetBridger/erc20Bridger.ts:907]
(https://github.com/OffchainLabs/arbitrum-
sdk/blob/f5b3d04baf62356032f5475057637d989da5b6c1/src/lib/assetBridger/erc20Bridger.ts#L907) #####
isWethGateway()[](https://docs.arbitrum.io/welcome/get-started#iswethgateway) private isWethGateway ( gatewayAddress :
string, parentProvider: Provider): Promise < boolean > Is this a known or unknown WETH gateway ###### Parameters[]
(https://docs.arbitrum.io/welcome/get-started#parameters-46) Parameter Type Description gatewayAddress string
parentProvider Provider ##### Returns[](https://docs.arbitrum.io/welcome/get-started#returns-48) Promise ##### Source[
[(https://docs.arbitrum.io/welcome/get-started#source-48) [assetBridger/erc20Bridger.ts:432]
(https://github.com/OffchainLabs/arbitrum-
sdk/blob/f5b3d04baf62356032f5475057637d989da5b6c1/src/lib/assetBridger/erc20Bridger.ts#L432) #####
looksLikeWethGateway()[](https://docs.arbitrum.io/welcome/get-started#lookslikewethgateway) private
looksLikeWethGateway (potentialWethGatewayAddress: string, parentProvider: Provider): Promise < boolean > Does
the provided address look like a weth gateway ##### Parameters[](https://docs.arbitrum.io/welcome/get-
started#parameters-47) Parameter Type Description potentialWethGatewayAddress string parentProvider Provider ######
Returns[](https://docs.arbitrum.io/welcome/get-started#returns-49) Promise ##### Source[]
(https://docs.arbitrum.io/welcome/get-started#source-49) [assetBridger/erc20Bridger.ts:402]
(https://github.com/OffchainLabs/arbitrum-
sdk/blob/f5b3d04baf62356032f5475057637d989da5b6c1/src/lib/assetBridger/erc20Bridger.ts#L402) ##### withdraw()[]
(https://docs.arbitrum.io/welcome/get-started#withdraw-1) withdraw (params: ChildToParentTxReqAndSigner | OmitTyped
< Erc20WithdrawParams, "from" > & object): Promise < ChildContractTransaction > Withdraw tokens from child to parent
network ##### Parameters[](https://docs.arbitrum.io/welcome/get-started#parameters-48) Parameter Type Description
params ChildToParentTxReqAndSigner |[OmitTyped](https://docs.arbitrum.io/sdk/reference/utils/types#omittypedtk) &object
###### Returns[](https://docs.arbitrum.io/welcome/get-started#returns-50) Promise ###### Overrides[]
(https://docs.arbitrum.io/welcome/get-started#overrides-2) [AssetBridger]
(https://docs.arbitrum.io/sdk/reference/assetBridger/#assetbridgerdepositparamswithdrawparams). [withdraw]
(https://docs.arbitrum.io/sdk/reference/assetBridger/#withdraw) ###### Source[](https://docs.arbitrum.io/welcome/get-
started#source-50) [assetBridger/erc20Bridger.ts:874](https://github.com/OffchainLabs/arbitrum-
sdk/blob/f5b3d04baf62356032f5475057637d989da5b6c1/src/lib/assetBridger/erc20Bridger.ts#L874) ##### fromProvider()[]
(https://docs.arbitrum.io/welcome/get-started#fromprovider-1) static fromProvider ( childProvider : Provider ) : Promise <
Erc20Bridger > Instantiates a new Erc20Bridger from a child provider ##### Parameters[]
(https://docs.arbitrum.io/welcome/get-started#parameters-49) Parameter Type Description childProvider Provider ######
Returns[](https://docs.arbitrum.io/welcome/get-started#returns-51) Promise <[Erc20Bridger]
(https://docs.arbitrum.io/sdk/reference/assetBridger/erc20Bridger#erc20bridger) > ##### Source[]
(https://docs.arbitrum.io/welcome/get-started#source-51) [assetBridger/erc20Bridger.ts:212]
(https://github.com/OffchainLabs/arbitrum-
sdk/blob/f5b3d04baf62356032f5475057637d989da5b6c1/src/lib/assetBridger/erc20Bridger.ts#L212) [Edit this page]
(https://github.com/OffchainLabs/arbitrum-docs/edit/master/arbitrum-docs/sdk/reference/assetBridger/erc20Bridger.md)
[Previous AssetBridger](https://docs.arbitrum.io/sdk/reference/assetBridger/) [Next EthBridger]
(https://docs.arbitrum.io/sdk/reference/assetBridger/ethBridger)
```