CCIPReceiver API Reference

Integrate Chainlink CCIP into your project

npmyarnfoundryIf you use[NPM](#) , install the[@chainlink/contracts-ccip NPM package](#) and set it to the v1.4.0 release:

npminstall@chainlink/[](#)If you use[Yarn](#) , install the[@chainlink/contracts-ccip NPM package](#) and set it to the v1.4.0 release:

yarnadd@chainlink/[](#)If you use[Foundry](#) , install the v1.4.0 release:

forgeinstallsmartcontractkit/ccip@b06a3c2eecb9892ec6f76a015624413fffa1a122

CCIP receiver contracts inherit fromCCIPReceiver.

import{CCIPReceiver}from"@chainlink/contracts-ccip/src/v0.8/ccip/applications/CCIPReceiver.sol";...constructor(address_router)isCCIPReceiver(router){}

Functions

constructor

constructor(addressrouter)internal

supportsInterface

functionsupportsInterface(bytes4interfaceId)publicpurereturns(bool) IERC165 supports an interfaceId

Parameters

NameTypeDescriptioninterfaceIdbytes4The interfaceId to check

Return Values

NameTypeDescription[0]booltrue if the interfaceId is supported

ccipReceive

functionccipReceive(structClient.Any2EVMMessage message)externaloverride onlyRouter Only the Router can call this function to deliver a message. If this reverts, any token transfers also revert. The message will move to a FAILED state and become available for manual execution.

Parameters

NameTypeDescriptionmessagestruct[Client.Any2EVMMessage](#)CCIP Message

_ccipReceive

function_ccipReceive(structClient.Any2EVMMessage message)internalvirtual Override this function in your implementation.

Parameters

NameTypeDescriptionmessagestruct[Client.Any2EVMMessage](#)Any2EVMMessage

getRouter

functiongetRouter()publicviewreturns(address) This function returns the current Router address.

Return Values

NameTypeDescription[0]addressi_router address

InvalidRouter

errorInvalidRouter(addressrouter)

onlyRouter

modifieronlyRouter() Only calls from the set router are accepted.