

CCIPReceiver API Reference

Add Chainlink CCIP to your project

If you need to integrate Chainlink CCIP into your project, install the [@chainlink/contracts-ccip NPM package](#).

npm/yarn If you use [NPM](#):

npm install @chainlink/contracts-ccip --save If you use [Yarn](#):

yarn add @chainlink/contracts-ccip

CCIP receiver contracts inherit from CCIPReceiver.

```
import { CCIPReceiver } from "@chainlink/contracts-ccip/src/v0.8/ccip/applications/CCIPReceiver.sol"; ... constructor(address _router) is CCIPReceiver(_router) {}
```

Functions

constructor

constructor(address router) internal

supportsInterface

function supportsInterface(bytes4 interfaceId) public pure returns (bool) IERC165 supports an interfaceId

Parameters

Name	Type	Description
interfaceId	bytes4	The interfaceId to check

Return Values

Name	Type	Description
bool	bool	true if the interfaceId is supported

ccipReceive

function ccipReceive(struct Client.Any2EVMMessage message) external override 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

Name	Type	Description
message	struct Client.Any2EVMMessage	CCIP Message

_ccipReceive

function _ccipReceive(struct Client.Any2EVMMessage message) internal virtual Override this function in your implementation.

Parameters

Name	Type	Description
message	struct Client.Any2EVMMessage	Any2EVMMessage

getRouter

function getRouter() public view returns (address) This function returns the current Router address.

Return Values

Name	Type	Description
address	address	_router address

InvalidRouter

error InvalidRouter(address router)

onlyRouter

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