

CipherTrace DeFi Compli Oracle



CipherTrace, the industry standard in cryptocurrency intelligence, introduces DeFi Compli, a compliance solution enabling DEXs and DeFi applications to abide by the Office of Foreign Assets Control (OFAC) sanction requirements. This oracle delivers CipherTrace's source-signed compliance data directly on-chain to your smart contract.

Steps For Using This Oracle

- Write and deploy your [Chainlink](#) contract using the network details below
- Fund it with [LINK](#)
- Call your [request method](#)

Network Details

Ethereum Mainnet

Payment Amount: 1 LINK

LINK Token Address: `0x514910771AF9Ca656af840dff83E8264EcF986CA`

Oracle Address: `0xAcb07C9f9b0FEC39FD0F305FbA69A26b5772f81A`

JobID: `5348c2c08d03431a8872078bee96c6de`

Ethereum Kovan Testnet

Payment Amount: 0.1 LINK

LINK Token Address: `0xa36085F69e2889c224210F603D836748e7dC0088`

Oracle Address: `0x56dd6586DB0D08c6Ce7B2f2805af28616E082455`

JobID: `22adbb38c8554f6ab36aedf42b17be18`

Binance Smart Chain Mainnet

Payment Amount: 0.1 LINK

LINK Token address: `0x404460c6a5ede2d891e8297795264fde62adbb75`

Oracle Address: `0xf401c4DC6Ae678bB3b44adF1199e42Ea7066BAed`

JobID: `8f156beb0abb44a1ad0fec925ab38707`

Polygon (Matic) Mainnet

Payment Amount: 0.1 LINK

LINK Token Address: `0xb0897686c545045afc77cf20ec7a532e3120e0f1`

Oracle Address: `0x9B4FC5D90287A7EE39BAeB2950B696870A1c0669`

JobID: `6fb6404456574a999a88ed4aaea5a475`

Create Your Contract

Import `ChainlinkClient.sol` into your contract so you can inherit the Chainlink behavior.

[Deploy this contract using Remix ↗](#)

[What is Remix?](#)

Solidity 4 Solidity 5 Solidity 6

```
pragma solidity ^0.4.24;

import "@chainlink/contracts/v0.4/ChainlinkClient.sol";

contract CipherTraceChainlink is ChainlinkClient {

    uint256 oraclePayment;

    constructor(uint256 _oraclePayment) public {
        setPublicChainlinkToken();
        oraclePayment = _oraclePayment;
    }
    // Additional functions here:

}
```

Tasks

- [DeFi Compli](#)
- [Copy](#)
- [EthBool](#)
- [EthTx](#)

Request Parameters

network

- The blockchain network of the address to check. Defaults to `ETH`.

Solidity Example

```
req.add("network", "ETH");
```

lookup_address

- The address to check against CipherTrace's DeFi Compli service.

Solidity Example

```
req.add("lookup_address", "0xAcb07C9f9b0FEC39FD0F305FbA69A26b5772f81A");
```

Chainlink Examples

The examples below show how to create a request for the Chainlink node.

requestData function

```
function requestData
(
    address _oracle,
    bytes32 _jobId,
    string memory _network,
    string memory _address
)
public
onlyOwner
{
    Chainlink.Request memory req = buildChainlinkRequest(_jobId, this, this.fulfill.selector);
    req.add("network", _network);
    req.add("lookup_address", _address);
    sendChainlinkRequestTo(_oracle, req, oraclePayment);
}
```

fulfill function

```
bool public data;

function fulfill(bytes32 _requestId, bool _data)
public
recordChainlinkFulfillment(_requestId)
{
    data = _data;
}
```

Documentation and Support

- [CipherTrace's industry standard Anti-Money Laundering Compliance Solutions](#)
 - [Contact CipherTrace](#)
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