AaveOracle

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Contract to get asset prices, manage price sources and update the fallback oracle.

Protocol V3 uses Chainlink Aggregators as the source of all asset prices.

The fallback oracles from V1 and V2 of the protocol are now deprecated and no longer maintained.

Methods

View

getAssetPrice

function getAssetPrice(address asset)

Returns the price of the supportedasset inBASE_CURRENCY of the Aave Market. All V3 markets use USD based oracles which return values with 8 decimals.

Return Value

Type Description uint256 Price in BASE_CURRENCY of the Aave market.

getAssetsPrices

function getAssetsPrices(address[] calldata assets)

Returns the prices of the supportedassets inBASE_CURRENCY of the Aave Market. All V3 markets use USD based oracles which return values with 8 decimals.

Call Params

Name Type Description assets address[] The addresses of the assets for which price is being queried. Return Value

Type Description uint256[] Prices in BASE_CURRENCY of the Aave market.

getSourceOfAsset

function getSourceOfAsset(address asset)

Returns the address of the price source forasset .

getFallbackOracle

function getFallbackOracle()

Returns the address of the fallback oracle.

Write

setAssetSources

function setAssetSources(address[] calldata assets, address[] calldata sources)

Sets the price source for given list of assets.

This method can be called only byPOOL_ADMIN orASSET_LISTING_ADMIN . CheckACLManager for details on system roles. Call Params

Name Type Description assets address[] The addresses of the assets for which source is being set. sources address[] The address of the source of each asset. Length of assets and sources array should be same.

setFallbackOracle

function setFallbackOracle(address fallbackOracle)

Sets/updates the fallback oracle.

This method can be called only byPOOL_ADMIN orASSET_LISTING_ADMIN . Check[ACLManager](ACLManager) for details on system roles. Call Params

Name Type Description fallbackOracle address The address of the fallback oracle.

ABI

AaveOracle ABI ```

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Last updated6 months ago On this page *[AaveOracle](AaveOracle) * [Methods](Methods) * [View](View) * [Write](Write) * [ABI](ABI)

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