UilncentiveDataProviderV3

UiIncentiveDataProviderV3

Contract that returns an array of all reserve incentives or user claimable rewards within a particular market, used by the laterace to display incentives data. Compatible with both V2 and V3 of the Aave Protocol.

The <u>Aave Utilities SDK</u> includes an interface to make calls to this contract, and functions to format the response for frontend use-cases.

Data Structures

AggregatedReserveIncentiveData

Name Type Description underlyingAsset address Address of the asset supplied/borrowed in Pool aIncentiveData IncentiveData Details of rewards distributed for supplying to Aave Pool i.e. rewards for aToken holders. vIncentiveData IncentiveData Details of rewards distributed for variable debt borrowed from Aave Pool i.e. rewards for vToken holders. sIncentiveData IncentiveData Details of rewards distributed for stable debt borrowed from Aave Pool i.e. rewards for sToken holders.

IncentiveData

Name Type Description tokenAddress address Address of corresponding a/s/vToken. incentiveControllerAddress address Address of Rewards Controller rewardsTokenInformation RewardInfo[] Array of details for all reward tokens that are available for given a/s/vToken

RewardInfo

Name Type Description rewardTokenSymbol string Symbol of Reward Token rewardTokenAddress address Address of Reward Token rewardOracleAddress address Price Oracle for Reward token emissionPerSecond uint256 Reward Token emitted per second incentivesLastUpdateTimestamp uint256 Unix timestamp of last update made on asset's reward token. tokenIncentivesIndex uint256 Latest distribution index of the reward token emissionEndTimestamp uint256 Unix timestamp of when the Incentive emission of given reward token ends for the corresponding asset rewardPriceFeed int256 Latest answer/price from reward token price oracle rewardTokenDecimals uint8 Decimals of reward token precision uint8 Decimals of asset token (a/s/vToken) priceFeedDecimals uint8 Decimals of price provided by oracle

UserReserveIncentiveData

Name Type Description underlyingAsset address Address of the asset supplied/borrowed in Pool aTokenIncentivesUserData UserIncentiveData Details of user rewards received for supplying to Aave Pool i.e. rewards for aToken. vTokenIncentivesUserData UserIncentiveData Details of user rewards received for borrowing at variable rate from Aave Pool i.e. rewards for vToken. sTokenIncentivesUserData UserIncentiveData Details of user rewards received for borrowing at stable rate from Aave Pool i.e. rewards for sToken.

UserIncentiveData

Name Type Description tokenAddress address Address of corresponding a/s/vToken. incentiveControllerAddress address Address of Rewards Controller for reward claim tx userRewardsInformation UserRewardInfo[] Array of details for all reward tokens accrued/claimed by user for given a/s/vToken

UserRewardInfo

Name Type Description rewardTokenSymbol string Symbol of Reward Token rewardOracleAddress address Price Oracle for Reward token rewardTokenAddress address Address of Reward Token userUnclaimedRewards uint256 User's unclaimed rewards tokenIncentivesUserIndex uint256 Latest user distribution index rewardPriceFeed int256 Latest answer/price from reward token price oracle priceFeedDecimals uint8 Decimals of price provided by oracle rewardTokenDecimals uint8 Decimals of reward token

Methods

getReservesIncentivesData

function getReservesIncentivesData(IPoolAddressesProvider provider)

ReturnsAggregatedReserveIncentiveData[] for the pool associated with giverprovider .

getUserReservesIncentivesData

function getUserReservesIncentivesData(IPoolAddressesProvider provider, address user)

ReturnsUserReserveIncentiveData[] for the givenuser for the pool associated with given .

getFullReservesIncentiveData

function getFullReservesIncentiveData(IPoolAddressesProvider provider, address user)

Returns bothAggregatedReserveIncentiveData[] andUserReserveIncentiveData[] for the givenuser for the pool associated with given<u>provider</u>.

ABI

UiIncentiveDataProviderV3 ABI ```

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