

UiPoolDataProviderV3

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Contract that returns an array of all reserve or user data for a particular market, used by the [Aave Interface](#) to display Markets and Dashboard data. Compatible with both V2 and V3 of the Aave Protocol.

The [Aave Utilities SDK](#) includes an interface to make calls to this contract, and functions to format the response for frontend use-cases.

Data Structures

AggregatedReserveData

View fields of AggregatedReserveData defined at [Github](#).

UserReserveData

Name	Type	Description
underlyingAsset	address	Address of the underlying asset supplied/borrowed
scaledATokenBalance	uint256	scaled balance of aToken
scaledBalance	uint256	balance/liquidityIndex
usageAsCollateralEnabled	bool	true if supplied asset is enabled to be used as collateral
stableBorrowRate	uint256	Stable rate at which underlying asset is borrowed by the user. 0 \Rightarrow no debt
scaledVariableDebt	uint256	scaled balance of vToken
scaledBalance	uint256	balance/liquidityIndex
principalStableDebt	uint256	Principal amount borrowed at stable rate
stableBorrowLastUpdateTimestamp	uint256	unix timestamp of last update on user's stable borrow position.

BaseCurrencyInfo

Info data struct for base currency of the Aave protocol market.

Name	Type	Description
marketReferenceCurrencyUnit	uint256	Reference aka base currency of the Aave market
marketReferenceCurrencyPriceInUsd	int256	Price of reference aka base currency in USD
networkBaseTokenPriceInUsd	int256	Price of native token of the network/chain in USD
networkBaseTokenPriceDecimals	uint8	Decimals of native token of the network/chain

Methods

getReservesList

```
function getReservesList(IPoolAddressesProvider provider)
```

Returns the list of initialised reserves in the Pool associated with the given [provider](#).

getReservesData

```
function getReservesData(IPoolAddressesProvider provider)
```

Returns BaseCurrencyInfo of the Pool and AggregatedReserveData[] for all the initialised reserves in the Pool associated with the given [provider](#).

getUserReservesData

```
function getUserReservesData(IPoolAddressesProvider provider, address user)
```

Returns UserReserveData[] for all user reserves in the Pool associated with the given [provider](#).

ABI

UiPoolDataProviderV3 ``

```
Copy [ { inputs: [ { internalType: 'contract IChainlinkAggregator', name: '_networkBaseTokenPriceInUsdProxyAggregator', type: 'address', }, { internalType: 'contract IChainlinkAggregator', name: '_marketReferenceCurrencyPriceInUsdProxyAggregator', type: 'address', }, ], stateMutability: 'nonpayable', type: 'constructor', }, { inputs: [], name: 'ETH_CURRENCY_UNIT', outputs: [ { internalType: 'uint256', name: '', type: 'uint256', }, ], stateMutability: 'view', type: 'function', }, { inputs: [ { internalType: 'contract ILendingPoolAddressesProvider', name: 'provider', type: 'address', }, ], name: 'getReservesData', outputs: [ { components: [ { internalType: 'address', name: 'underlyingAsset', type: 'address', }, { internalType: 'string', name: 'name', type: 'string', }, { internalType: 'string', name: 'symbol', type: 'string', }, { internalType: 'uint256', name: 'decimals', type: 'uint256', }, { internalType: 'uint256', name: 'baseLTVasCollateral', type: 'uint256', }, { internalType: 'uint256', name: 'reserveLiquidationThreshold', type: 'uint256', }, { internalType: 'uint256', name: 'reserveLiquidationBonus', type: 'uint256', }, { internalType: 'uint256', name: 'reserveFactor', type: 'uint256', }, { internalType: 'bool', name: 'usageAsCollateralEnabled', type: 'bool', }, { internalType: 'bool', name:
```

```
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```

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