Orcale Precompile

Address :0x0000000000000000000000000000000000001008

This precompile enables EVM clients to query the Oracle module.

Functions

Queries

- getExchangeRates
- : Gets the corresponding Sei Address from the given EVM Address
- /// Retrieves the exchange rates for all denominations.
- ///
- @return
- An array of denomination and exchange rate pairs.
- function
- getExchangeRates
- ()
- external
- view
- returns
- (
- DenomOracleExchangeRatePair
- []
- memory
-);
- // Structs
- struct
- OracleExchangeRate
- {
- string
- exchangeRate;
- string
- lastUpdate;
- int64
- lastUpdateTimestamp;
- }
- struct
- DenomOracleExchangeRatePair
- {
- string
- denom;
- OracleExchangeRate oracleExchangeRateVal;
- }
- getOracleTwaps
- : Retrieves Oracle Time-Weighted Average Prices (TWAPs) for the specified lookback period.
- /// Retrieves Oracle Time-Weighted Average Prices (TWAPs) for the specified lookback period.
- ///
- @param
- lookback_seconds The lookback period in seconds.
- ///
- @return
- An array of denomination and TWAP pairs.
- function
- getOracleTwaps
- (
- uint64
- lookback_seconds)
- external
- view
- returns
- (
- OracleTwap
- []
- memory
-);

- // Structs
- struct
- OracleTwap
- {
- string
- denom;
- string
- twap;
- int64
- lookbackSeconds;
- }

View the Oracle precompile source code and the contract ABI [here(opens in a new tab)](#) . Last updated on June 3, 2024 [Json Pointer](#)