

Oracle Precompile

[illegible]

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 AB[here\(opens in a new tab\)](#) . Last updated on May 24, 2024
[JSON Pointer](#)