# #

Oracle

Oracle module allows you to manage the feed on IRIS Hub

# #

Available Commands

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# #

iris tx oracle create

This command is used to create a new feed, the feed will be in "paused" state.

iris tx oracle create[flags] Flags:

Name, shorthand Type Required Default Description --feed-name string Yes

The unique identifier of the feed. --description string

The description of the feed. --latest-history uint64 Yes

The maximum Number of the latest history values to be saved for the Feed, range [1, 100]. --service-name string Yes

The name of the service to be invoked by the feed. --input string Yes

The input argument (JSON) used to invoke the service. --providers []string Yes

The list of service provider addresses. --service-fee-cap string Yes

Only providers charging a fee lower than the cap will be invoked. --timeout int64

The maximum number of blocks to wait for a response since a request is sent, beyond which the request will be ignored. --frequency uint64

The invocation frequency of sending repeated requests. --threshold uint16

1 The minimum number of responses needed for aggregation, range [1, Length(providers)]. --aggregate-func string Yes

The name of predefined function for processing the service responses, e.g. avg, max, min etc. --value-json-path string Yes

The field name or path of Service response result used to retrieve the value property of aggregate-func from response results.

# #

Create a new feed

iris tx oracle create\ --feed-name= "test-feed" \ --latest-history= 10 \ --service-name= "test-service" \ --input = < request-data> \ --providers = < provide1_address> ,< provider2_address> \ --service-fee-cap= 1iris\ --timeout = 2 \ --frequency = 10 \ --total = 10 \ --threshold = 1 \ --aggregate-func= "avg" \ --value-json-path= "high" \ --chain-id= irishub\ --from = node0\ --fees = 0 .3iris

# #

iris tx oracle start

This command is used to start a feed in "paused" state

iris tx oracle start[feed-name] [flags]

# #

Start a "paused" feed

iris tx oracle start test-feed --chain-id= irishub--from = node0--fees = 0 .3iris

# #

iris tx oracle pause

This command is used to pause a feed in "running" state

iris tx oracle pause[feed-name] [flags]

# #

Pause a "running" feed

iris tx oracle pause test-feed --chain-id= irishub--from = node0--fees = 0 .3iris

# #

iris tx oracle edit

This command is used to edit an existing feed on IRIS Hub.

iris tx oracle edit[feed-name] [flags] Flags:

Name, shorthand Type Required Default Description --feed-name string Yes

The unique identifier of the feed. --description string

The description of the feed. --latest-history uint64 Yes

The maximum Number of the latest history values to be saved for the Feed, range [1, 100]. --providers []string Yes

The list of service provider addresses. --service-fee-cap string Yes

Only providers charging a fee lower than the cap will be invoked. --timeout int64

The maximum number of blocks to wait for a response since a request is sent, beyond which the request will be ignored. --frequency uint64

The invocation frequency of sending repeated requests. --threshold uint16

1 The minimum number of responses needed for aggregation, range [1, Length(providers)].

# #

Edit an existed feed

iris tx oracle edit test-feed --chain-id= irishub--from = node0--fees = 0 .3iris --latest-history= 5

# #

iris query oracle feed

This command is used to query a feed

iris query oracle feed[feed-name] [flags]

# #

Query an existed feed

iris query oracle feed test-feed

# #

iris query oracle feeds

This command is used to query a group of feed

iris query oracle feeds[flags] Flags:

Name, shorthand Type Required Default Description --state string

the state of the feed, e.g. paused, running.

[#](#)

Query a group of feed

iris query oracle feeds--state

running

[#](#)

iris query oracle value

This command is used to query the result of a specified feed

iris query oracle value test-feed