

### Rune tips

#### Bootstrap on Rune

```
from rune.query import Rune
from rune.registry import serpe_factory
from rune.helpers import druid_host_to_connection
SerpeFactory = serpe_factory()
sr = SerpeFactory(druid_host_to_connection('http://localhost:8082'), 'ouigo')
rune = Rune(sr)
```

The rune object has `execute_native_to_df` and `execute_sql_to_df` methods.

#### Native queries

`execute_native` or `execute_native_to_df` have the same interfaces.

First argument: the table you want to query; taken from `serpe` object (ie: `sr.serpe.fact_passenger_event`).

Optional arguments:

**intervals:** List[str], pre-filter on `__time` column. Must be specified most of the time, allows great optimization.

**columns:** List[Union[str, SerpeEntity]], columns you want to select. You can put either strings or objects from `serpe`.

**where:** conditions on objects taken from `serpe`. Ex: `sr.serpe.departure_datetime >= '2019-01-01'`

Check rune documentation for other args: `timeout`, `limit`, `priority`, `querytype`, `use_cache`, ...

Example:

```
rune.execute_native_to_df(sr.serpe.fact_passenger_event, columns=['departure_datetime'], where=sr.serpe.service_number == 7699, limit=10, intervals=['2018-01-01/2018-01-02'])
```

#### How to use CLI?

```
rune ouigo --druid-host http://localhost:8082
```

`rune --help` if you want more information



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