

Kafka transport handler

The Kafka transport handler allows the reading and writing from/to [Kafka](#).

Needs the feature `de.uniol.inf.is.odysseus.wrapper.kafka.feature`

Options

Mandatory for reading and writing:

- **topic:** String defining the kafka topic to read/write
- **messagetype:** either 'string' or 'bytearray'; defines the type of values written to/read from Kafka
- **bootstrap.servers:** comma separated list of Kafka brokers (host:port)

Optional:

- All other properties possible for Kafka Producers and Consumers respectively (see Kafka documentation for possible properties)

Please note that the parameters are directly forwarded to kafka, so, please also check the Kafka documentation.

Example

PQL for writing

File Transport Handler

```
#PARSER PQL
#RUNQUERY
input = ACCESS({
    source='Input',
    wrapper='GenericPull',
    transport='file',
    protocol='SimpleCSV',
    datahandler='Tuple',
    options=[
        ['filename', '${PROJECTPATH}/input.csv'],
        ['csv.delimiter', ','],
        ['csv.trim', 'true']
    ],
    schema=[
        ['text', 'String']
    ]
})

output = SENDER({
    protocol = 'SimpleCSV',
    transport = 'Kafka',
    sink = 'Test',
    wrapper = 'GenericPush',
    options = [
        ['topic', 'test'],
        ['messagetype', 'string'],
        ['bootstrap.servers', 'localhost:9092']
    ]
},
input
)
```

PQL for reading

Important: There is no GenericPull version of the transport handler. So always use GenericPush!

File Transport Handler

```
#PARSER PQL
#ADDQUERY
input := ACCESS({
    source='test',
    wrapper='GenericPush',
    transport='Kafka',
    protocol='SimpleCSV',
    datahandler='Tuple',
    options=[
        ['topic', 'test'],
        ['messagetype', 'string'],
        ['bootstrap.servers', 'localhost:9092']
    ],
    schema=[
        ['text', 'String']
    ]
})
```