

Sender operator

This operator can be used to publish processing results to multiple endpoints using different transport and application protocols.

Parameter

- `wrapper`: In Odysseus the default wrappers are *GenericPush* and *GenericPull*
- `transport`: The transport defines the transport protocol to use. See [Transport handler](#)
- `protocol`: The protocol parameter defines the application protocol to transform the processing results. See [Protocol handler](#)
- `datahandler`: This parameter defines the transform of the single attributes of the processing results. See [Data handler](#)
- `writeMetadata`: If set to true, the meta data of the object will be written to the output, too. Default (false) (Works currently only in PQL)
- `options`: Transport protocol and application protocol depending options (See [Transport handler](#) and [Protocol handler](#))

Example

PQL

Sender Operator

```
output = SENDER({sink='Sink',
                 wrapper='GenericPush',
                 transport='TCPClient',
                 protocol='CSV',
                 dataHandler='Tuple',
                 options=[['host', 'example.com'], ['port', '8081'], ['read', '10240'], ['write', '10240']]
                 }, input)
```

CQL

Sender Operator

```
CREATE SINK outSink (timestamp STARTTIMESTAMP, auction INTEGER, bidder INTEGER, datetime LONG, price DOUBLE)
  WRAPPER 'GenericPush'
  PROTOCOL 'CSV'
  TRANSPORT 'TCPClient'
  DATAHANDLER 'Tuple'
  OPTIONS ( 'host' 'example.com', 'port' '8081', 'read' '10240', 'write' '10240' )

STREAM TO sink SELECT * FROM input
```

There are some special operators based on this operator with an easier handling of parameters:

- [CSVFileSink](#)