

# JSON protocol handler

The JSON protocol handler parses [JSON](#) documents.

## Options

- `json.write.metadata`: Dumps the metadata
- `json.write.starttimestamp`: Adds the starttimestamp to the key value object under the given key
- `json.write.endtimestamp`: Adds the endtimestamp to the key value object under the given key
- `schema`: Due to the principles of key value data no schema is needed. But you can define a JSON element, which should be used as `STARTTIMESTAMP` or `ENDTIMESTAMP`.

## Example

### PQL

#### JSONProtocolHandler

```
json = ACCESS({
  source='json',
  wrapper='GenericPull',
  transport='File',
  protocol='JSON',
  dataHandler='KeyValueObject',
  options=[['filename', 'scrobbles-2006-10.json']]
  // schema=[['timestamp', 'STARTTIMESTAMP'], ['timestamp2', 'ENDTIMESTAMP']] // only used for definition of
  START- or ENDTIMESTAMP
})
```

#### JSONProtocolHandler

```
SENDERjson = SENDER({
  transport='File',
  wrapper='GenericPush',
  protocol='JSON',
  dataHandler='KeyValueObject',
  SINK="SENDERjson",
  options=[
    ['filename', '${WORKSPACEPROJECT}\testdata\tupletokeyvalue\output.json'],
    ['json.write.metadata', 'true'],
    ['json.write.starttimestamp', 'metadata.starttimestamp'],
    ['json.write.endtimestamp', 'metadata.endtimestamp']
  ], tupletokeyvalue0)
```

### CQL

#### JSON Protocol Handler

```
CREATE STREAM line (symbol String, points Double)
  WRAPPER 'GenericPush'
  PROTOCOL 'JSON'
  TRANSPORT 'File'
  DATAHANDLER 'Tuple'
```