solr_cli Documentation

Release 0.2

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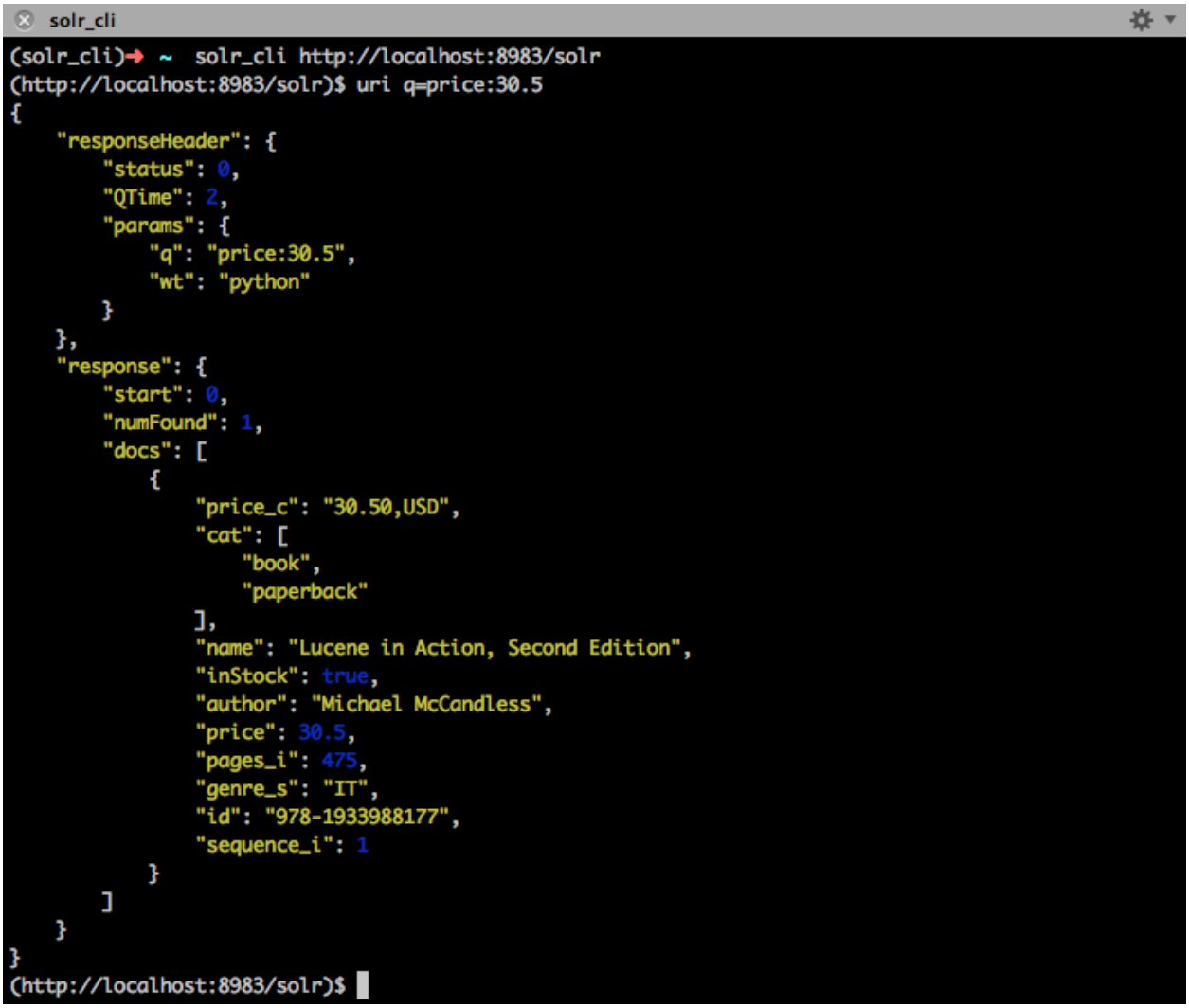
Contents


solr_cli
(solr_cli)➜ ~ solr_cli http://localhost:8983/solr
(http://localhost:8983/solr)$ uri q=price:30.5
{
"responseHeader": {
"status": 0,
"QTime": 2,
"params": {
"q": "price:30.5",
"wt": "python"
}
},
"response": {
"start": 0,
"numFound": 1,
"docs": [
{
"price_c": "30.50,USD",
"cat": [
"book",
"paperback"
],
"name": "Lucene in Action, Second Edition",
"inStock": true,
"author": "Michael McCandless",
"price": 30.5,
"pages_i": 475,
"genre_s": "IT",
"id": "978-1933988177",
"sequence_i": 1
}
]
}
}
(http://localhost:8983/solr)$

CHAPTER 1

Contents:

First steps

Installation

To install solr_cli from Pypi:

```
pip install mysolr
```

From source code:

```
python setup.py install
```

Dependencies

solr_cli uses a python client called mysolr . So, if you install solr_cli from source code you have to install it.

User guide

Execution

Just run 'solr_cli' in your shell.

You can type help in theconsole for listing all the allowed commands. And if you want to see the help for and specific command you can type:

```
help <command>
```

Connecting to solr

Once you are in the console you can connect to a solr server by using the command connect followed by the solr server url. It doesn't open a real connection it just checks if the server exits and is up.

```
(disconnected)$ connect http://localhost:8983/solr
(http://localhost:8983/solr)$
```

Or you can connect by passing the solr server url as a parameter of the program.

```
(solr_cli)➜ solr_cli git:(master) ✗ solr_cli http://localhost:8983/solr
(http://localhost:8983/solr)$
```

Querying to Solr

There are two commands for querying solr from solr_cli. The easier one is *query*

```
(http://localhost:8983/solr)$ query price:30.5
{
    "responseHeader": {
        "status": 0,
        "QTime": 0,
        "params": {
            "q": "price:30.5",
            "wt": "python"
        }
    },
    "response": {
        "start": 0,
        "numFound": 1,
        "docs": [
            {
                "price_c": "30.50,USD",
                "cat": [
                    "book",
                    "paperback"
                ],
                "name": "Lucene in Action, Second Edition",
                "inStock": true,
                "author": "Michael McCandless",
                "price": 30.5,
                "pages_i": 475,
                "genre_s": "IT",
                "id": "978-1933988177",
                "sequence_i": 1
            }
        ]
    }
}
(http://localhost:8983/solr)$
```

The second one is *uri* which you can specify all the requests paremeter you want to customize your query. In this example we are faceting all the books of the index:

```
(http://localhost:8983/solr)$ uri q=*:*&facet=true&facet.field=author&rows=0
{
    "facet_counts": {
        "facet_ranges": {},
        "facet_fields": {
            "author": [
                "rick",
                2,
                "riordan",
                2,
                "gaarder",
                1,
                "jostein",
                1,
                "mccandless",
                1,
                "michael",
                1
            ]
        },
        "facet_dates": {},
        "facet_queries": {}
    },
    "responseHeader": {
        "status": 0,
        "QTime": 69,
        "params": {
            "facet": "true",
            "q": "*:*",
            "wt": "python",
            "facet.field": "author",
            "rows": "0"
        }
    },
    "response": {
        "start": 0,
        "numFound": 6,
        "docs": []
    }
}
(http://localhost:8983/solr)$
```

Schema operations

For now there are two commands related to the schema.xml:

- schema : Prints the whole file.
- fields : Prints all the allowed fields.

General operations

ping

Checks if the solr server is up. 'OK' is printed if so.

commit

Sends a commit to the solr server.

optimize

Sends optimize operation to solr server.

quit/exit

Exits from solr_cli.

Example of the execution of these commands:

```
(http://localhost:8983/solr)$ ping
OK
(http://localhost:8983/solr)$ commit
OK
(http://localhost:8983/solr)$ optimize
OK
(http://localhost:8983/solr)$ quit
Bye
```