

Python CLI - Feature #2652

Python CLI - Version 2

2012-04-26 16:15 - Andrew Pippin

Status: Closed	Start date: 2012-02-23
Priority: Normal	Due date:
Assignee: Roger Dahl	% Done: 100%
Category:	Estimated time: 0.00 hour
Target version: CLI_2.0.0	
Story Points:	
Description Several tasks have been identified to enhance the Python CLI for the next release.	
Subtasks:	
Task # 2653: Move data package class to libclient	Closed
Task # 2654: Allow multiple science metadata objects	Closed
Task # 2657: Science Metadata Object definition	Closed
Task # 2691: Create d1_certificate_python	Closed
Task # 2711: Python CLI to use certificate for subject info	Closed
Task # 2467: Allow "-" for input or output filename	Rejected
Task # 2428: Save generated metadata	Closed
Task # 2374: CLI should allow unambiguous abbreviations of commands	Closed
Task # 2373: CLI history should persist beyond a single session	Rejected
Task # 2806: Use Logging rather than sys.stderr.write	Closed
Task # 2692: Merge all the Python testing code	Rejected
Related issues:	
Related to Infrastructure - Task #2552: Add "package" command to the CLI	Closed 2012-03-30
Related to Infrastructure - Story #2804: CLI, new features, bugfixes	Closed

History

#1 - 2012-04-26 16:32 - Andrew Pippin

h2. Design planning for CLI

h4. Example session

```
% dataone
```

```
DataONE Command Line Interface
```

```
package create pkg-abc
set format-id=eml://ecoinformatics.org/eml-2.1.0
package scimeta add knb-lter-gce.297.17
set format-id=text/plain
package scidata add INV-GCEM-0705a1
package scidata add INV-GCEM-0705a2
package scidata add INV-GCEM-0705a3
package save
package done
%
```

h4. New commands

- **create** - upload to dataone
- **get** __ - get from dataone and load into memory
- **update** __ - update object in dataone

- **delete** - delete object from dataone
- **new** ___ - create new package in memory
- **open** ___ - open new package from disk
- **save** ___ - save new package to disk
- **clear** - clear package in memory and start over
- **add** ___ *[filename]* - add the content of pid to package (eventually creating the object on a MN if filename provided)
- **remove** ___ - (implies removing all associated linkages too)
- **link** ___ ___ -- adds and makes "documents" linkages (implies add)
- **unlink** ___ ___ -- removes linkage
- **show** - display package in memory (display everything that is known about the package)
- **show** ___ - show contents of file (if text)(hex dump if binary?)
- **done** - leave package mode

h4. Example command line usage

```
@dataone package create [...]@
@dataone package delete @
@dataone package update [...]@
@dataone package show @
```

```
@dataone -e 'package new pkgid; package add ; ...'@
or
@dataone -e 'package; new pkgid; add ; ...'@
```

#2 - 2012-08-02 17:30 - Andrew Pippin

- Assignee changed from Andrew Pippin to Matthew Jones

Assigning to Matt for future development overview.

#3 - 2014-08-20 01:56 - Roger Dahl

- *Tracker changed from Story to Feature*

#4 - 2014-10-02 17:55 - Dave Vieglais

- *Start date set to 2014-10-02*

- *Due date set to 2014-10-02*

- *Target version set to Maintenance Backlog*

#5 - 2015-01-13 16:21 - Dave Vieglais

- *Due date changed from 2014-10-02 to 2015-01-13*

- *Category deleted (d1_client_cli)*

- *Assignee changed from Matthew Jones to Mark Flynn*

- *Target version changed from Maintenance Backlog to CCI-2.0.0*

- *Project changed from Infrastructure to Python CLI*

#6 - 2015-07-01 19:55 - Dave Vieglais

- *Target version changed from CCI-2.0.0 to CLI_2.0.0*

#7 - 2016-04-21 22:42 - Roger Dahl

- *Assignee changed from Mark Flynn to Roger Dahl*

#8 - 2018-01-09 02:42 - Dave Vieglais

- *% Done changed from 0 to 30*

- *Status changed from New to In Progress*

PBI status auto updated to In Progress because at least one task wasn't on New status

#9 - 2018-01-09 02:43 - Dave Vieglais

- *% Done changed from 30 to 100*

- *Status changed from In Progress to Closed*

PBI status auto updated to Closed because all tasks were closed