

```
1 #!/usr/bin/env python
2 try:
3     import os, glob, sys, getopt
4     import tempfile
5     from SrbRegisterUtil import execMe,execSMe,PyIsSinit,CheckPyVersion
6 except:
7     raise "Check you local Python Version. A minimum Python version required"
8
9 """ A script that searches for a filename from TOC.file_name schema """
10
11
12 SCHEME_NAME = "TOC"
13 COLUMN_NAME = "file_name"
14
15 def usage():
16     print """SrbTarSearch.py
17     usage: SrbTarSearch.py <filename> <folder>
18           -h: This help
19           --version: Print the script version
20
21     Example
22           SrbTarSearch.py 310_archv_20120522_20120524.tar.gz
23           SrbTarSearch.py 310_archv_20120522_20120524.tar.gz
24           /home/margom.nirvana
25     """
26 # end function
27
28 def version():
29     print """$Header:
30     /cvs_repository/customers/HPCMP/testbed/NavyPilot/SrbTarSearch.py,v 1.4
31     2013/04/11 17:18:51 martin Exp $"""
32 # end function
33
34 def main():
35
36     if not CheckPyVersion():
37         sys.exit(1)
38
39     directory = '.'
40
41     try:
42         opts,args = getopt.getopt(sys.argv[1:], "hv", ['version'])
43     except getopt.GetoptError, err:
44         print str(err)
45         usage()
46         sys.exit(2)
47
48     for arg,val in opts:
49         if arg == "-h":
50             usage()
51             sys.exit()
52         elif arg == "--version" or arg == "-v":
53             version()
54             sys.exit()
```

```
55         #end for
56
57
58     if (PyIsSinit()):
59         print "Sinit is OK..."
60         status = 0
61     else:
62         print "No SRB session detected. Have you run Sinit yet?"
63         sys.exit(2)
64
65     if len(args) == 0:
66         usage
67         sys.exit()
68     elif len(args) > 2:
69         usage
70         sys.exit()
71     else:
72
73         # Construct command string cmd
74         # with force flag
75         #   Sput -f abel.tar.gz .
76         # without force flag
77         #   Sput abel.tar.gz .
78         searchTerm = '*' + args[0].replace('_', '*') + '*'  ## ex:
foo_dat.pdf -> *foo*dat.pdf*
79
80         if len(args) == 2:
81             directory = args[1]
82
83             cmd = "Sls -R -policy \"{0}.{1} like {2}\"
{3}".format(SCHEME_NAME, COLUMN_NAME, searchTerm, directory)
84
85             (rc,out) = execSMe(cmd)
86             print out
87
88             if (rc != 0):
89                 if len(args) == 2:
90                     print "Did you use the correct Collection name?"
91
92                 print "Error Searching"
93                 rc = -1
94         #end if
95
96
97 #end of function
98
99 if __name__=="__main__":
100     main()
101
102
```