

 **Matt Erasmus** Fixed a couple of things

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0 contributors

97 lines (84 sloc) | 3.15 KB

```
1  #!/usr/bin/python
2  # Search the CVE service offered by Circlu (https://www.circl.lu/services/cve-search/)
3
4  import requests
5  import argparse
6  import sys
7  import json
8
9
10 def search_cve(_cve):
11     """Simple CVE search"""
12     print "Searching: " + _cve
13     SEARCHURL = "http://cve.circl.lu/api/cve/" + _cve
14     r = requests.get(SEARCHURL)
15     if r.status_code != 200:
16         sys.exit("Something has gone horribly wrong.")
17     else:
18         data = json.loads(r.text)
19         print "Summary: " + data['summary']
20         print "CVSS Score: " + str(data['cvss'])
21
22
23 def show_vendor_product(_vendor, _product):
24     """Show a specific product for a vendor"""
25     print "Searching: " + _product + " from " + _vendor
26     SEARCHURL = "http://cve.circl.lu/api/search/" + _vendor + "/" + _product
27     r = requests.get(SEARCHURL)
28     if r.status_code != 200:
29         sys.exit("Something has gone horribly wrong.")
30     else:
31         jdata = json.loads(r.text)
32         for item in jdata:
33             print "\nSummary: " + item['summary']
34             print "CVE: " + item['id']
35             print "CVSS: " + str(item['cvss'])
36
37
38 def list_vendor_products(_vendor):
39     """Search for a vendor"""
40     print "Vendor Search: " + _vendor,
41     SEARCHURL = "http://cve.circl.lu/api/browse/" + _vendor
42     r = requests.get(SEARCHURL)
43     if r.status_code != 200:
44         sys.exit("Something has gone horribly wrong.")
45     else:
46         print " ... " + str(r.status_code)
47         try:
48             data = json.loads(r.text)['product']
49             print "Available products from " + _vendor
50             for item in data:
51                 print item
52         except:
```

```
53         sys.exit("[!!] Vendor not in list")
54
55
56 def list_vendors():
57     """List all the available vendors in the API"""
58     print "Listing Vendors",
59     SEARCHURL = "http://cve.circl.lu/api/browse"
60     r = requests.get(SEARCHURL)
61     if r.status_code != 200:
62         sys.exit("Something has gone horribly wrong.")
63     else:
64         print " ... " + str(r.status_code)
65         data = json.loads(r.text)['vendor']
66         print "Available Vendors: "
67         for item in data:
68             print item
69
70
71 def __main__():
72     """Get this party started"""
73     parser = argparse.ArgumentParser(description='CIRCL CVE API Search')
74     parser.add_argument('--list-vendors', '-l', dest='listvendors', action='store_true', help='List the available vendors')
75     parser.add_argument('--product', '-p', dest='product', help='Search for a product')
76     parser.add_argument('--vendors', '-v', dest='vendor', help='Search for a vendor')
77     parser.add_argument('--cve', '-c', dest='cve', help='Search for this CVE')
78     parser.add_argument('--version', '-V', action='version', version='%(prog)s 0.1')
79     args = parser.parse_args()
80     _cve = args.cve
81     _product = args.product
82     _vendor = args.vendor
83     _listvendors = args.listvendors
84
85     # TODO: This needs to be improved
86     if (args.vendor and args.product):
87         show_vendor_product(_vendor, _product)
88     else:
89         if args.cve:
90             search_cve(_cve)
91         elif (args.vendor and not args.product):
92             list_vendor_products(_vendor)
93         elif args.listvendors:
94             list_vendors()
95
96 if __name__ == '__main__':
97     __main__()
```