

F5Utils Documentation Page

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Abstract:

F5utils is a tool written on python and using the [grako](#) (an [EBNF](#) parser generator) which is able to understand F5 exported config files that are pushed by RackSpace and can be found on: [421296-fifa13ltapp149.rspc-lhr.ea.com](#) on /opt/F5Monitor.

Installation:

Get `//depot/fifaops/ShellScripts/F5utils/` folder from **Perforce**. and make F5utils.py executable (chmod 775 F5utils.py on *nix)

Yo will need Python >= 2.7, and grako >= 3.6.2 to run it.

If you run python scripts on Windows using Cygwin to install grako first install easy install:

```
https://bitbucket.org/pypa/setuptools/raw/bootstrap/ez_setup.py
/usr/bin/easy_install-3.2 pip
```

Just Install grako via pip:

```
pip install grako
```

Running:

```
./F5utils.py -h
Usage: F5utils.py [-h] [-m] file ip
Simple parser for F5 exported config files Author: Adrian Grebin
positional arguments:
  file          the input file to parse
  ip            Find VIPs and Pool names on which an IP is referenced as member
optional arguments:
  -h, --help    show this help message and exit
  -m            Show Pool Members
```

You have to provide an F5 config file, for example 439384-2015-08-06-bigip.conf (you can get the files from [421296-fifa13ltapp149.rspc-lhr.ea.com](#),

```
scp 421296-fifa13ltappl49.rspc-lhr.ea.com:/opt/F5Monitor/439384-2015-08-06-bigip.conf
. #(there is one per LB each day, date is on filename)
```

Example:

```
./F5utils.py 439384-2015-08-06-bigip.conf 10.99.39.124
Finding: 10.99.39.124
Vip Name      : VS-pal-stage-10.99.34.59-20101-internal-public
Vip Pool      : POOL_pal_stage_public
Vip Dest      : 10.99.34.59 Port: 20101
Vip Profiles  : [u'ONECONNECT-VS-pal_stage_public ', u'PROF-TCP-2hr-timeout-LAN ',
u'http-xff ']
Pool Members:
^^^^^^^^^^^^
IP: 10.99.39.121 Port: 20103
IP: 10.99.39.122 Port: 20103
IP: 10.99.39.123 Port: 20103
IP: 10.99.39.124 Port: 20103
IP: 10.99.39.125 Port: 20103
=====
Vip Name      : VS-pal-stage-10.99.34.59-20292-internal-private
Vip Pool      : POOL_pal_stage_private
Vip Dest      : 10.99.34.59 Port: 20292
Vip Profiles  : [u'ONECONNECT-VS-pal_stage_private ', u'PROF-TCP-2hr-timeout-LAN ',
u'http-xff ']
Pool Members:
^^^^^^^^^^^^
IP: 10.99.39.121 Port: 20102
IP: 10.99.39.122 Port: 20102
IP: 10.99.39.123 Port: 20102
IP: 10.99.39.124 Port: 20102
IP: 10.99.39.125 Port: 20102
=====
```



NOTE

Note that the previous output, is looking for IP: 10.99.39.124 on 439384-2015-08-06-bigip.conf file, and its output tells us that VIP

VS-pal-stage-10.99.34.59-20101-internal-public, and VS-pal-stage-10.99.34.59-20292-internal-private mentions

POOL_pal_stage_public and POOL_pal_stage_private, and on those pools our beloved ip is found.

But if you search on the file, you'll find that 10.99.39.124 POOL_THI9_load_private_back and POOL_THI9_load_public_back.

These POOLs are not referenced by any VIPS, so they're not mentioned.

Also please note that the return code of the script, will be the number of vips wich have pools referencing our ip.