
python-munin Documentation

Release 1.3.2

Samuel Stauffer

August 06, 2015

1	Source	3
2	Example	5

This library provides helper classes for writing plugins for the server monitoring tool Munin. It also comes with some prebuilt plugins for various services including PostgreSQL, Memcached, and Nginx.

See <http://munin.projects.linpro.no/> for more about Munin.

Source

You can find the latest version of scrubber at <http://github.com/samuel/python-munin>

Example

Example plugin (loadavg):

```
#!/usr/bin/env python

import os
from munin import MuninPlugin

class LoadAVGPlugin(MuninPlugin):
    title = "Load average"
    args = "--base 1000 -l 0"
    vlabel = "load"
    scaled = False
    category = "system"

    @property
    def fields(self):
        warning = os.environ.get('load_warn', 10)
        critical = os.environ.get('load_crit', 120)
        return [("load", dict(
            label = "load",
            info = 'The load average of the machine describes how many processes are in the run-queue',
            type = "GAUGE",
            min = "0",
            warning = str(warning),
            critical = str(critical)))]

    def execute(self):
        if os.path.exists("/proc/loadavg"):
            loadavg = open("/proc/loadavg", "r").read().strip().split(' ')
        else:
            from subprocess import Popen, PIPE
            output = Popen(["uptime"], stdout=PIPE).communicate()[0]
            loadavg = output.rsplit(':', 1)[1].strip().split(' ')[0:3]
            print loadavg
        print "load.value %s" % loadavg[0]

if __name__ == "__main__":
    LoadAVGPlugin().run()
```