python-munin Documentation

Release 1.4

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Contents

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.

CHAPTER 1

Source

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

CHAPTER 2

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"
    scale = 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-q
                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(' ')[:3]
        return dict(load=loadavg[1])

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