

# System Monitoring Tools Installation

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## 1. Collectd Installation Steps:

- **Install Dependencies**

- *sudo apt-get install python*
- *sudo apt-get install libcgi-session-perl*
- *sudo apt-get install librrds-perl libjson-perl libhtml-parser-perl*
- *sudo apt-get install git*

- **Install collectd**

- *sudo apt-get install collectd*

- **Configure collectd**

- Edit the collectd.conf file in /etc/collectd directory
- Add the following code snippet at the EOF

```
LoadPlugin network
<Plugin network>
    <Server "{{Collectd-Server-IP}}" "25826">
    </Server>
</Plugin>
```

- **Note: {{Collectd-Server-IP}}** : IP of host machine where collectd will send it statistics
- Save and exit the file

- **Start Collectd Service**

- *sudo service collectd start*
- To check status of collectd demon use following command
- *sudo service collectd status*

## 2. Collectd-web Installation Steps:

- Clone Collectd-web Git Repository on local machine
  - `git clone "https://github.com/httpdss/collectd-web.git"`
- Navigate to Collectd-Web folder
  - `sudo chmod +x -R cgi-bin`
- Edit and save the runserver.py file

```
1  #!/usr/bin/env python
2
3  import CGIHTTPServer
4  import BaseHTTPServer
5  from optparse import OptionParser
6
7  class Handler(CGIHTTPServer.CGIHTTPRequestHandler):
8      |   cgi_directories = ["/cgi-bin"]
9
10  PORT = 8888
11
12  def main():
13      |   parser = OptionParser()
14      |   opts, args = parser.parse_args()
15      |   if args:
16      |       |   httpd = BaseHTTPServer.HTTPServer((args[0], int(args[1])), Handler)
17      |       |   print "Collectd-web server running at http://%s:%s/" % (args[0], args[1])
18      |   else:
19      |       |   httpd = BaseHTTPServer.HTTPServer(("0.0.0.0", PORT), Handler)
20      |       |   print "Collectd-web server running at http://%s:%s/" % ("0.0.0.0", PORT)
21      |   httpd.serve_forever()
22
23  if __name__ == "__main__":
24      |   main()
```

- Edit the **IP** to **"0.0.0.0"** in Line number **19 & 20**, Save and exit
- Run the collectd-web server using following command
  - `nohup ./runserver.py &`
- Access the Collectd-web server using
  - `http://{Host-Machine-IP}:8888`