







Plugins

 elacheche

Project URL

[https://github.com/elacheche/dock...](https://github.com/elacheche/docker_check.py)

 Views	14670
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 Latest Release	2020-12-24
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Tags

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Docker containers check

A NAGIOS compatible plugin to check docker containers stats

Description

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docker_check.py

Docker_check.py is a nagios compatible plugin to check docker containers stats..

Installation & Usage:

The current version don't need any arguments to be used all you need to do is:

Install the Python3 library for the Docker Engine API:

```
pip3 install docker
```

Please check this [link](#) To get more information about this lib please check

Get the script to the right path in the Docker server:

```
DOWNLOAD_URL=$(curl -s https://api.github.com/repos/elacheche/docker_check/releases/latest | awk '/browser_download_url/ {gsub("curl -Lso /usr/lib/nagios/plugins/docker_check.py $DOWNLOAD_URL\nchmod +x /usr/lib/nagios/plugins/docker_check.py"
```

You can find the package on the [Icinga Exchange](#) as well, where you can download the latest release.

Add nagios user to docker group:

```
sudo usermod -a -G docker nagios
```

Check command definition.

Edit */etc/icinga2/conf.d/commands.conf* and add:

```
object CheckCommand "check_docker_by_ssh" {
    import "by_ssh"
    vars.by_ssh_command = "/usr/lib/nagios/plugins/docker_check.py"
}
```

The script response time for 8 running containers is almost 30 seconds, please execute the script manually to make sure it don't exceeds 60 seconds, if it does, please add the following to the CheckCommand, replacing the values (in seconds) by the good ones:

```
vars.by_ssh_timeout = 120 // Custom SSH connexion Timeout
timeout = 120 // Custom execution Timeout
```

Add service to Icinga:

Edit */etc/icinga2/conf.d/services/sshServices.conf* and add:

```
apply Service "docker_check_by_ssh" {
    import "generic-service"
    check_command = "check_docker_by_ssh"
    assign where (host.address || host.address6) && host.vars.os == "Linux" && host.name != NodeName && "d
}
```

To not apply the docker_check script for all hosts we'll limit it to hosts that have a service called docker.

Configure the hosts:

Edit */etc/icinga2/conf.d/hosts/foo.bar.com.conf* and add/change:

```
object Host "My Docker Server" {
    import "generic-host"
    address = "foo.bar"
    vars.os = "Linux"
    vars.services = ["docker"]
}
```

Apply changes:

Check if everything is OK:

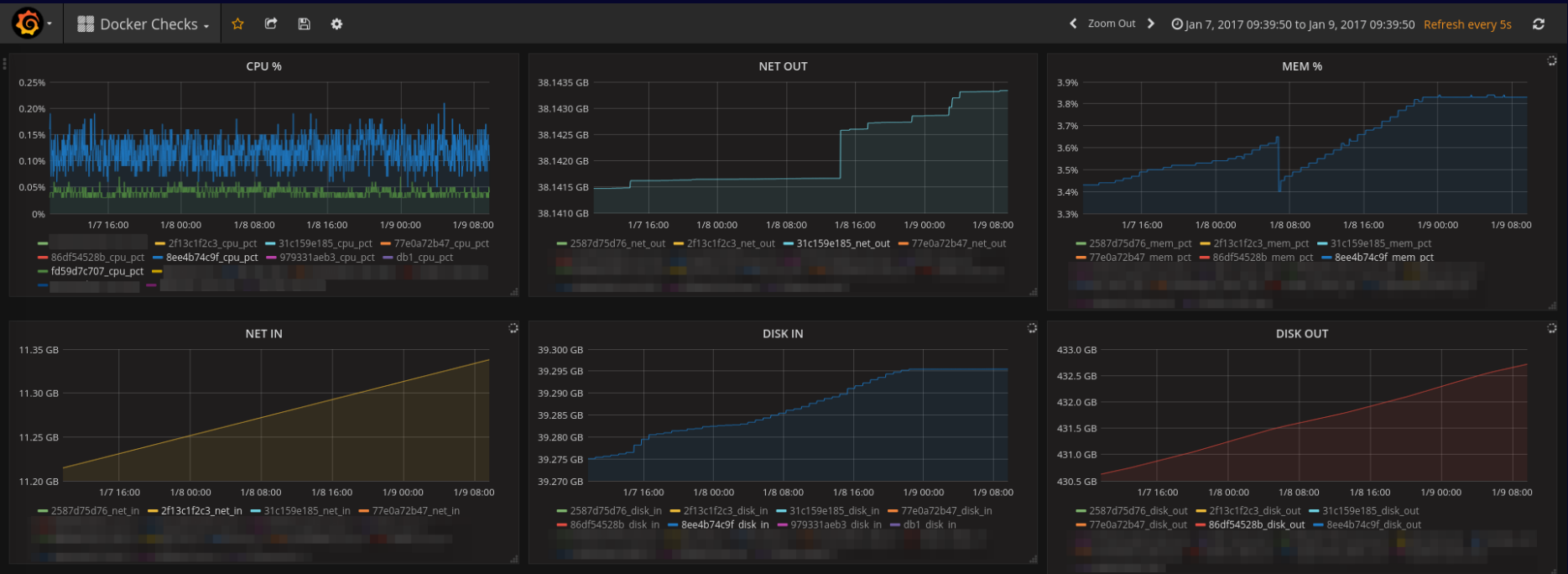
```
service icinga2 checkconfig
```

The script output should be similar to this:

```
OK | furious_ritchie_mem_pct=0.02% furious_ritchie_cpu_pct=0.0% furious_ritchie_net_in=91137 furious_ritchie_net_out=648 furious
```

Grafana:

This is a preview of the results I got with some testing containers (not the ones from the previous output), Icinga2 get checks from the script, Graphite get the data from Icinga then Grafana visualise them via Graphite.



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