﻿# yum install epel-release

# yum groupinstall "Development tools”

# yum install perl mailx bind-utils httpd httpd-devel mod\_fcgid rrdtool perl-CGI-SpeedyCGI fping rrdtool-perl perl-Sys-Syslog perl-HTML-Parser perl-FCGI perl-Net-DNS perl-Socket6 perl-Text-Soundex perl-LDAP perlC-PAN

# cd /opt

# wget https://oss.oetiker.ch/smokeping/pub/smokeping-2.7.3.tar.gz

# tar -zxvf smokeping-2.7.3.tar.gz

# mkdir /opt/smokeping/

# cd /opt/smokeping-2.7.3/

# ./configure --prefix=/opt/smokeping

# /usr/bin/gmake install

# cd /opt/smokeping/

# mkdir data var cache

# cd /opt/smokeping/etc/

# for foo in \*.dist; do mv $foo `basename $foo .dist`; done

# chmod 600 /opt/smokeping/etc/smokeping\_secrets

# ln -s /opt/smokeping/cache /opt/smokeping/htdocs/cache

# chown -R apache /opt/smokeping/cache

# chown -R apache /opt/smokeping/data

# vim /etc/httpd/conf.d/smokeping.conf

ScriptAlias /smokeping/smokeping.cgi /opt/smokeping/htdocs/smokeping.fcgi.dist

Alias /smokeping /opt/smokeping/htdocs

<Directory "/opt/smokeping/htdocs">

Options FollowSymLinks

Require all granted

</Directory>

# vim /opt/smokeping/etc/config

\*\*\* General \*\*\*

owner = Rashed-Academy

contact = rashedacademy00@gmail.com

mailhost = localhost

sendmail = /usr/bin/mail

# NOTE: do not put the Image Cache below cgi-bin

# since all files under cgi-bin will be executed ... this is not

# good for images.

imgcache = /opt/smokeping/cache

imgurl = cache

datadir = /opt/smokeping/data

piddir = /opt/smokeping/var

cgiurl = http://some.url/smokeping.cgi

smokemail = /opt/smokeping/etc/smokemail

tmail = /opt/smokeping/etc/tmail

# specify this to get syslog logging

syslogfacility = local0

# each probe is now run in its own process

# disable this to revert to the old behaviour

# concurrentprobes = no

\*\*\* Alerts \*\*\*

to = alertee@address.somewhere

from = smokealert@company.xy

+someloss

type = loss

# in percent

pattern = >0%,\*12\*,>0%,\*12\*,>0%

comment = loss 3 times in a row

\*\*\* Database \*\*\*

step = 300

pings = 20

# consfn mrhb steps total

AVERAGE 0.5 1 1008

AVERAGE 0.5 12 4320

MIN 0.5 12 4320

MAX 0.5 12 4320

AVERAGE 0.5 144 720

MAX 0.5 144 720

MIN 0.5 144 720

\*\*\* Presentation \*\*\*

template = /opt/smokeping/etc/basepage.html

+ charts

menu = Charts

title = The most interesting destinations

++ stddev

sorter = StdDev(entries=>4)

title = Top Standard Deviation

menu = Std Deviation

format = Standard Deviation %f

++ max

sorter = Max(entries=>5)

title = Top Max Roundtrip Time

menu = by Max

format = Max Roundtrip Time %f seconds

++ loss

sorter = Loss(entries=>5)

title = Top Packet Loss

menu = Loss

format = Packets Lost %f

++ median

sorter = Median(entries=>5)

title = Top Median Roundtrip Time

menu = by Median

format = Median RTT %f seconds

+ overview

width = 600

height = 50

range = 10h

+ detail

width = 600

height = 200

unison\_tolerance = 2

"Last 3 Hours" 3h

"Last 30 Hours" 30h

"Last 10 Days" 10d

"Last 400 Days" 400d

#+ hierarchies

#++ owner

#title = Host Owner

#++ location

#title = Location

\*\*\* Probes \*\*\*

+ FPing

binary = /usr/sbin/fping

+ DNS

binary = /usr/bin/dig

lookup = google.com

pings = 5

step = 180

+ EchoPingHttp

+ EchoPingHttps

pings = 5

#binary = /usr/bin/echoping

# forks = 5

#offset = 50%

#step = 300

#url = /test-url

accept\_redirects = yes

\*\*\* Slaves \*\*\*

secrets=/opt/smokeping/etc/smokeping\_secrets

+boomer

display\_name=boomer

color=0000ff

+slave2

display\_name=another

color=00ff00

\*\*\* Targets \*\*\*

probe = FPing

menu = Top

title = Network Latency Grapher

remark = Welcome to NMS-Lab SmokePing website.

+ Internet

menu = Internet Latency

title = Network latency (ICMP pings)

++ Google

host = www.google.com

++ Facebook

host = www.facebook.com

++ Youtube

host = www.youtube.com

++ Yahoo

host = www.yahoo.com

++ Public-DNS

host = 9.9.9.9

++ Public-DNS2

host = 8.8.8.8

+ Multihost

menu = Multihost

title = Internet Latency (Google, Facebook)

host = /Internet/Google /Internet/Facebook

+ network

menu = Net latency

title = Network latency (ICMP pings)

++ CISCO-Rtr01

host = 192.168.1.5

++ Smokeping Server

host = 192.168.199.201

# firewall-cmd --permanent --add-service=http

# firewall-cmd --reload

# vim /lib/systemd/system/smokeping.service

[Unit]

Description=Smokeping Server

After=network.target remote-fs.target nss-lookup.target

[Service]

Type=simple

ExecStart=/opt/smokeping/bin/smokeping --nodaemon --config=/opt/smokeping/etc/config --logfile=/var/log/smoke.log

[Install]

WantedBy=multi-user.target

# systemctl start httpd

# systemctl enable httpd

# systemctl status httpd

# systemctl daemon-reload

# systemctl start smokeping

# systemctl enable smokeping

# systemctl status smokeping

Now check from browser:

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http://Server-IP/smokeping/smokeping.cgi