

## **host discovery tools**

Angry IP Scanner  
<https://angryip.org/>

IP scanner: This is how PRTG helps you as a network scanner  
<https://www.paessler.com/ip-scanner>

Nexpose Vulnerability Scanner  
<https://www.rapid7.com/products/nexpose/>

## **host discovery methods**

how to find out mac addresses of all machines on network <https://serverfault.com/questions/245136/how-to-find-out-mac-addresses-of-all-machines-on-network>

List all MAC addresses and their associated IP addresses in my local network (LAN)  
<https://askubuntu.com/questions/406792/list-all-mac-addresses-and-their-associated-ip-addresses-in-my-local-network-la>

arping  
<https://en.wikipedia.org/wiki/Arping>

## **log server**

Log file  
[https://en.wikipedia.org/wiki/Log\\_file](https://en.wikipedia.org/wiki/Log_file)

## **log server products**

Graylog  
<https://www.graylog.org/>

Operating System Packages  
[https://docs.graylog.org/en/4.0/pages/installation/operating\\_system\\_packages.html](https://docs.graylog.org/en/4.0/pages/installation/operating_system_packages.html)

Installing Graylog  
<https://docs.graylog.org/en/latest/pages/installation.html#operating-system-packages>

THANK YOU FOR YOUR INTEREST IN GRAYLOG OPEN SOURCE!  
<https://www.graylog.org/success/linux>

The Graylog operating system package repository  
<https://packages.graylog2.org/>

comparing-elk-splunk-and-graylog  
<https://devops.com/log-monitoring-and-analysis-comparing-elk-splunk-and-graylog/>

## **incident monitoring**

Comparison of network monitoring systems  
[https://en.wikipedia.org/wiki/Comparison\\_of\\_network\\_monitoring\\_systems](https://en.wikipedia.org/wiki/Comparison_of_network_monitoring_systems)

## **nms theory**

Network monitoring  
[https://en.wikipedia.org/wiki/Network\\_monitoring](https://en.wikipedia.org/wiki/Network_monitoring)

Network management  
[https://en.wikipedia.org/wiki/Network\\_management](https://en.wikipedia.org/wiki/Network_management)

Network management software  
[https://en.wikipedia.org/wiki/Network\\_management\\_software](https://en.wikipedia.org/wiki/Network_management_software)

Performance management  
[https://en.wikipedia.org/wiki/FCAPS#Performance\\_management](https://en.wikipedia.org/wiki/FCAPS#Performance_management)

## **drawing**

lewish / asciiflow  
<https://github.com/lewish/asciiflow>

## **maps theory**

Network mapping  
[https://en.wikipedia.org/wiki/Network\\_mapping](https://en.wikipedia.org/wiki/Network_mapping)

Computer network diagram  
[https://en.wikipedia.org/wiki/Computer\\_network\\_diagram](https://en.wikipedia.org/wiki/Computer_network_diagram)

Network documentation  
[https://en.wikipedia.org/wiki/Network\\_documentation](https://en.wikipedia.org/wiki/Network_documentation)

Comparison of network diagram software  
[https://en.wikipedia.org/wiki/Comparison\\_of\\_network\\_diagram\\_software](https://en.wikipedia.org/wiki/Comparison_of_network_diagram_software)

Idea networking  
[https://en.wikipedia.org/wiki/Idea\\_networking](https://en.wikipedia.org/wiki/Idea_networking)

Network theory  
[https://en.wikipedia.org/wiki/Network\\_theory](https://en.wikipedia.org/wiki/Network_theory)

## **nms products**

OpenNMS  
<https://en.wikipedia.org/wiki/OpenNMS>

OpenNMS  
<https://www.opennms.com/>

Installation Guide  
<https://docs.opennms.org/opennms/branches/develop/guide-install/guide-install.html>

NMIS 9  
<https://opmantek.com/network-management-system-nmis/>

Download NMIS  
<https://opmantek.com/network-management-download/nmis-downloads/>

NMIS 8.x README  
<https://github.com/Opmantek/nmis8>

LibreNMS  
<https://www.librenms.org/>

LibreNMS Community  
<https://community.librenms.org/>

netTransformer  
<https://en.wikipedia.org/wiki/NetTransformer>

## **weather maps**

Hypermap Component  
<https://exchange.nagios.org/directory/Addons/Components/Hypermap-Component/details>

janjaaps / nagios-weathermap  
<https://github.com/janjaaps/nagios-weathermap>

## 7 MAPS

[https://www.zabbix.com/documentation/current/manual/web\\_interface/frontend\\_sections/monitoring/maps](https://www.zabbix.com/documentation/current/manual/web_interface/frontend_sections/monitoring/maps)

networkmap.js

<http://otm.github.io/networkmap.js/>

Network Weathermap

<https://www.network-weathermap.com/>

PHP Weathermap v0.98

<https://network-weathermap.com/manual/0.98/>

PHP Weathermap

<https://network-weathermap.com/manual/0.98/pages/main.html>

FAQ & Useful Tips

<https://network-weathermap.com/manual/0.98/pages/faq.html>

## some theory

FCAPS

<https://en.wikipedia.org/wiki/FCAPS>

Linux's OOM Process Killer

<https://docs.memset.com/other/linux-s-oom-process-killer>

Chapter 13 Out Of Memory Management

<https://www.kernel.org/doc/gorman/html/understand/understand016.html>

## formats & protocols

Prometheus vs. InfluxDB: A Monitoring Comparison

[https://logz.io/blog/prometheus-influxdb/ ==> push vs. pull](https://logz.io/blog/prometheus-influxdb/==>push%20vs.%20pull)

Metrics with Prometheus StatsD Exporter and Grafana

<https://dev.to/kirklewis/metrics-with-prometheus-statsd-exporter-and-grafana-5145>

## performance tools

CPU time

[https://en.wikipedia.org/wiki/CPU\\_time](https://en.wikipedia.org/wiki/CPU_time)

IOPS

<https://en.wikipedia.org/wiki/IOPS>

How to Install and Use iostat on Ubuntu 16.04 LTS

<https://www.howtoforge.com/tutorial/how-to-install-and-use-iostat-on-ubuntu-1604/>

3 Simple, Excellent Linux Network Monitors

<https://www.linux.com/tutorials/3-simple-excellent-linux-network-monitors/>

18 commands to monitor network bandwidth on Linux server

<https://itsolutiondesign.wordpress.com/2014/12/05/18-commands-to-monitor-network-bandwidth-on-linux-server/>

How to see disk I/O per process in NetBSD?

<http://mail-index.netbsd.org/netbsd-users/2020/11/27/msg026198.html>

## shoot the neck

Linux Performance Tools, Brendan Gregg, part 1 of 2

<https://www.youtube.com/watch?v=FJW8nGV4jxY> -> My system is slow...

LISA2019 Linux Systems Performance

<https://www.slideshare.net/brendangregg/lisa2019-linux-systems-performance>

Understanding Disk I/O - when should you be worried?

<http://blog.scoutapp.com/articles/2011/02/10/understanding-disk-i-o-when-should-you-be-worried>

## **products**

Top 5 open source network monitoring tools

<https://opensource.com/article/19/2/network-monitoring-tools>

## **diy**

Highcharts

<https://www.highcharts.com/>

## **collectors**

Cacti

[https://en.wikipedia.org/wiki/Cacti\\_\(software\)](https://en.wikipedia.org/wiki/Cacti_(software)) <https://www.cacti.net/>

Munin

[https://en.wikipedia.org/wiki/Munin\\_\(software\)](https://en.wikipedia.org/wiki/Munin_(software)) <http://munin-monitoring.org/>

JRDS

<https://github.com/fbacchella/jrds>

Telegraf

<https://www.influxdata.com/time-series-platform/telegraf/>

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## **foss products**

Nagios Plugins

<https://www.nagios.org/downloads/nagios-plugins/>

Download Cacti

[https://www.cacti.net/download\\_cacti.php](https://www.cacti.net/download_cacti.php)

Spine: a poller for Cacti

<https://github.com/Cacti/spine>

LibreNMS

<https://www.librenms.org/>

NMIS

<http://nmis.sourceforge.net/>

Introduction & Setup

<https://community.opmantek.com/pages/viewpage.action?pageId=58360309>

<https://opmantek.com/network-management-system-nmis/>

NetXMS

<https://www.netxms.org/download/>

## **commercial products**

PRTG Alternatives for Network Monitoring & Bandwidth/Application Analysis

<https://www.itssystem.com/prtg-alternatives/>

## **compare**

OpenNMS VS LibreNMS

<https://www.saashub.com/compare-opennms-vs-librenms>

Best Open Source Network Monitoring Tools and Software (Linux/Windows)

<https://www.itssystem.com/best-open-source-network-monitoring-tools/>

Nagios vs. Cacti vs. Zabbix vs. ???

[https://www.reddit.com/r/sysadmin/comments/6b0wyl/nagios\\_vs\\_cacti\\_vs\\_zabbix\\_vs/](https://www.reddit.com/r/sysadmin/comments/6b0wyl/nagios_vs_cacti_vs_zabbix_vs/)

## **hypervisor monitoring**

Citrix XenServer Monitoring

<https://www.manageengine.com/network-monitoring/citrix-xenserver-monitoring.html>