

raid

RAID

<https://www.prepressure.com/library/technology/raid>

RAID

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

Standard RAID levels

https://en.wikipedia.org/wiki/Standard_RAID_levels

Nested RAID levels

https://en.wikipedia.org/wiki/Nested_RAID_levels

Non-standard RAID levels

https://en.wikipedia.org/wiki/Non-standard_RAID_levels

RAID 1 (ADM) and RAID 10 (ADM) in HP Smart Array Advanced Pack (SAAP)

<https://community.spiceworks.com/topic/348545-raid-1-adm-and-raid-10-adm-in-hp-smart-array-advanced-pack-saap>

RAID 50 (RAID 5+0)

[https://en.wikipedia.org/wiki/Nested_RAID_levels#RAID_50_\(RAID_5+0\)](https://en.wikipedia.org/wiki/Nested_RAID_levels#RAID_50_(RAID_5+0))

lvm

How to extend a Linux PV partition online after virtual disk growth

<https://serverfault.com/questions/378086/how-to-extend-a-linux-pv-partition-online-after-virtual-disk-growth>

How to Increase the size of a Linux LVM by expanding the virtual machine disk

<https://www.rootusers.com/how-to-increase-the-size-of-a-linux-lvm-by-expanding-the-virtual-machine-disk/>

san

Storage area network

https://en.wikipedia.org/wiki/Storage_area_network

Storage Area Networks - SAN Fabrics

<https://www.lascon.co.uk/SAN-switches-and-fabrics.php>

Full mesh is the worst possible fabric architecture

<https://blog.ipSPACE.net/2012/04/full-mesh-is-worst-possible-fabric.html>

Logical Unit Number masking

https://en.wikipedia.org/wiki/Logical_Unit_Number_masking

Zoning and LUN Masking

<http://a4academics.com/blog/420-zoning-and-lun-masking>

What is LUN masking?

<http://www.sansecurity.com/faq/lun-masking.shtml>

Primary Storage

<https://www.dell EMC.com/en-us/storage/data-storage.htm#scroll=off> -> not that an old SAN...

storage bays

EMC VNX2 SAN Storage

<https://corporate-advice.com/2013/10/23/emc-vnx2-san-storage/>

View on new EMC VNX2 series

<http://www.stornews.com/?p=16>

HPE Smart Array Advanced Pack - Overview

https://support.hpe.com/hpsc/doc/public/display?docId=emr_na-c03245319

open-source storage

TrueNAS

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

ESOS - Enterprise Storage OS

<http://www.esos-project.com/>

iSCSI / OpenSAN instructions?

<https://forum.openwrt.org/t/iscsi-opensan-instructions/14577>

Comparison of iSCSI targets

https://en.wikipedia.org/wiki/Comparison_of_iSCSI_targets

List of NAS manufacturers

https://en.wikipedia.org/wiki/List_of_NAS_manufacturers

got hardware

ODROID

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

Tantalus' Firmwares

<https://web.archive.org/web/20160406102659/https://lg.threnor.de/en:start>

Running NetBSD on the LG-N2R1D NAS-family

https://blog.netbsd.org/tnf/entry/running_netbsd_on_the_lg

non-fc

iSCSI

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

InfiniBand

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

iSCSI

<http://linux-iscsi.org/wiki/ISCSI>

Network Block Device

<https://nbd.sourceforge.io/>

Network block device

https://en.wikipedia.org/wiki/Network_block_device

san hardware

Fiber-optic cable

https://en.wikipedia.org/wiki/Fiber-optic_cable

Multi-mode optical fiber

https://en.wikipedia.org/wiki/Multi-mode_optical_fiber

Small form-factor pluggable transceiver

https://en.wikipedia.org/wiki/Small_form-factor_pluggable_transceiver

san fabric

Switched fabric

https://en.wikipedia.org/wiki/Switched_fabric

World Wide Name

https://en.wikipedia.org/wiki/World_Wide_Name

Fibre Channel zoning
https://en.wikipedia.org/wiki/Fibre_Channel_zoning

Основы Fibre Channel
<https://habr.com/ru/post/216369/>

fc over something

Fibre Channel
https://en.wikipedia.org/wiki/Fibre_Channel

Fibre Channel Protocol
https://en.wikipedia.org/wiki/Fibre_Channel_Protocol

Fibre Channel over Ethernet
https://en.wikipedia.org/wiki/Fibre_Channel_over_Ethernet

Fibre Channel over IP
https://en.wikipedia.org/wiki/Fibre_Channel_over_IP

Internet Fibre Channel Protocol
https://en.wikipedia.org/wiki/Internet_Fibre_Channel_Protocol

something over fc

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

multipath

Multipath I/O
https://en.wikipedia.org/wiki/Multipath_I/O

Linux DM Multipath
https://en.wikipedia.org/wiki/Linux_DM_Multipath

Chapter 3. Setting Up DM Multipath
https://access.redhat.com/documentation/en-us/red_hat_enterprise_linux/7/html/dm_multipath/mpio_setup

Setting up DM-Multipath Overview
<https://help.ubuntu.com/lts/serverguide/multipath-setting-up-dm-multipath.html>

The DM-Multipath Configuration File
<https://help.ubuntu.com/lts/serverguide/multipath-dm-multipath-config-file.html>

Understanding the dm-multipath Configuration file /etc/multipath.conf
<https://www.thegeekdiary.com/understanding-the-dm-multipath-configuration-file-etc-multipath-conf/>

How to Install and Configure Device Mapper Multipath in CentOS/RHEL 6,7
<https://www.thegeekdiary.com/how-to-install-and-configure-device-mapper-multipath-in-centos-rhel-67/>

shared-disk file-systems

Clustered file system
https://en.wikipedia.org/wiki/Clustered_file_system

distributed

DRBD
<http://xgu.ru/wiki/DRBD>

Converged infrastructure
https://en.wikipedia.org/wiki/Converged_infrastructure

Software-defined storage

https://en.wikipedia.org/wiki/Software-defined_storage

MANUAL DEPLOYMENT ON FREEBSD

<https://docs.ceph.com/en/latest/install/manual-freebsd-deployment/>

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>

performance tools

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>

Performance Data - Nagios Core Documentation

<https://assets.nagios.com/downloads/nagioscore/docs/nagioscore/4/en/perfdata.html>

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/>
