

### Devices

**Virtual Servers** - multiple VS into a single physical machine

- multiple NICs (more bandwidth), lower cost

**Hypervisor** software enabling virtualization, emulates physical HW.  
*Type1* (native on Hypervisor) or *Type2* (hosted on OS)

ex: VMWare, Hyper-V, Virtual Box

### Storage solutions

- NAS Disk storage over TCP/IP

- SAN LAN designed for data transfer (FC, FCoE, iSCSI)

- very high performance storage on direct connection  
Infiniband

### V. Firewalls, Routers & Switches

V. use from web interface on any device

### Desktops

**SDN** Software define network

allows administration & configuration of V.NW via software

### Voice over IP (VoIP)

**Purpose** Digitizes voice traffic into data

*SIP* *Session Init. Protocole*

to setup, open, maintain, tear down a session

*PBX* telephone switch multi-lines managing waitings, transfers, conference-calls, messages, IDs, ...



By **Aelphi** (Aelphi)  
[cheatography.com/aelphi/](https://cheatography.com/aelphi/)

Not published yet.  
Last updated 28th March, 2023.  
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