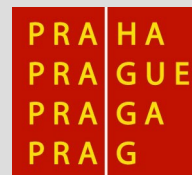
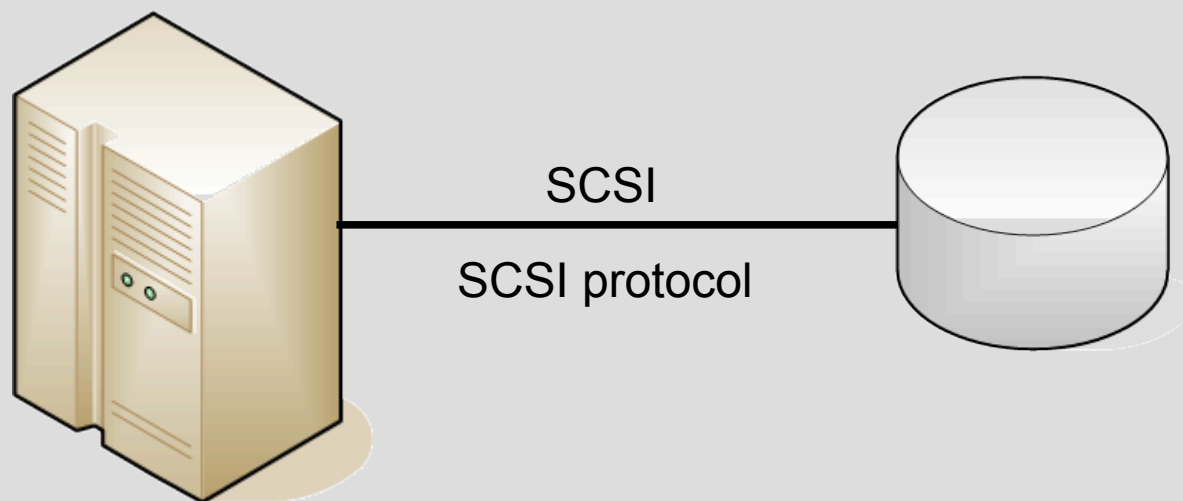


Y36PSI

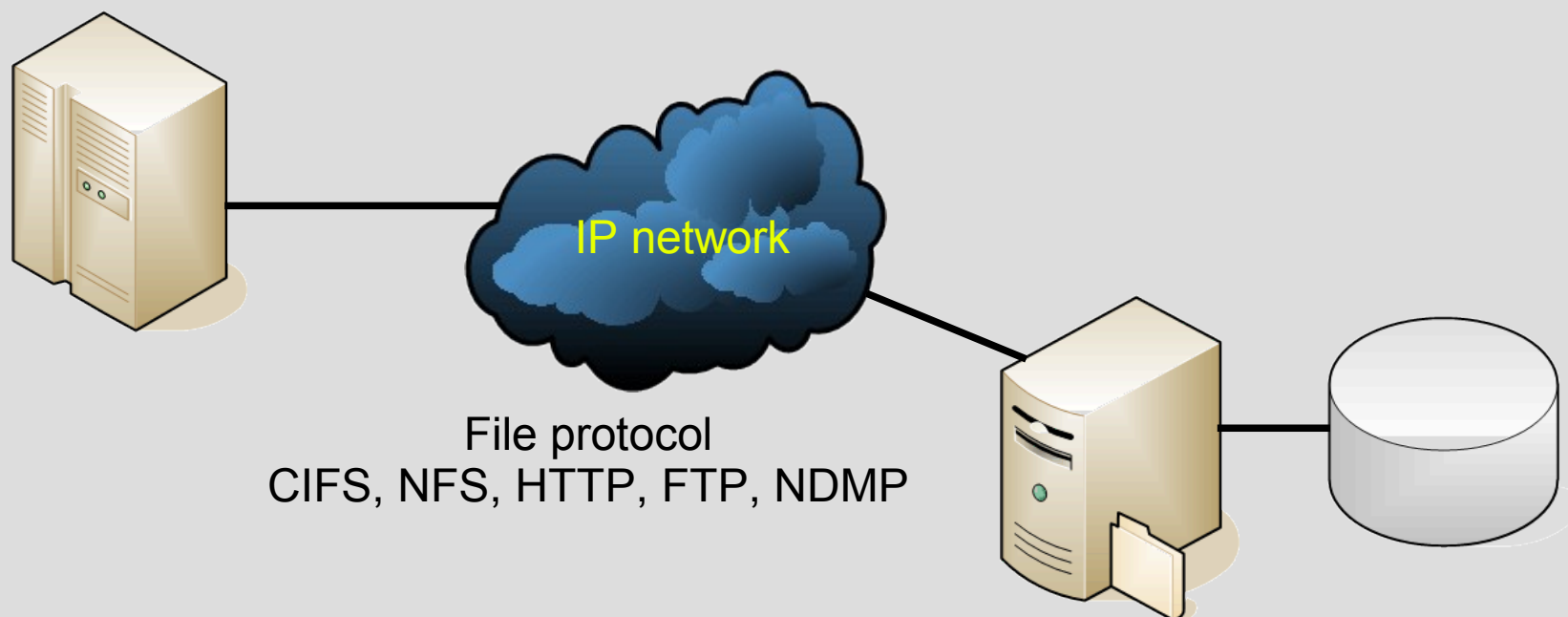
Ukládání dat



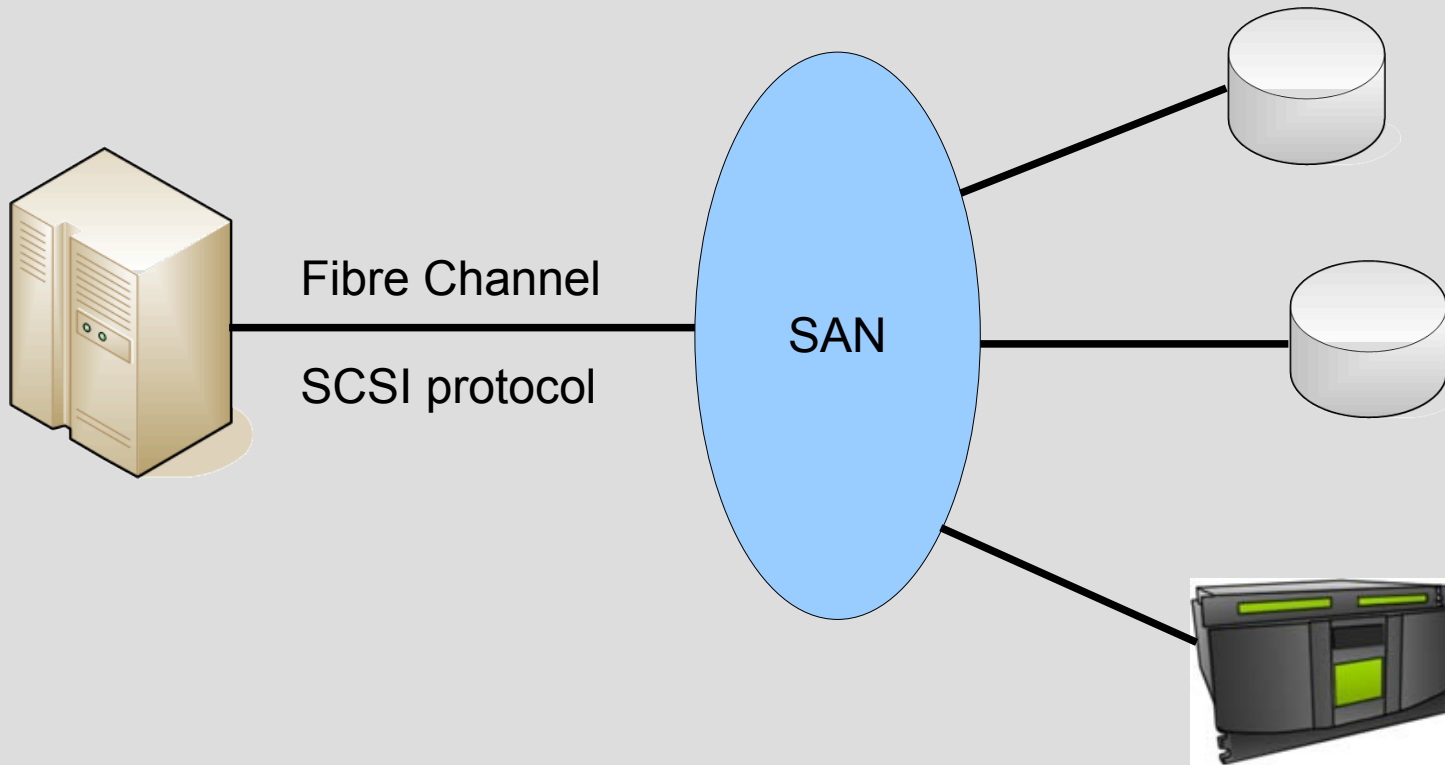
Direct Attached Storage



Network Attached Storage



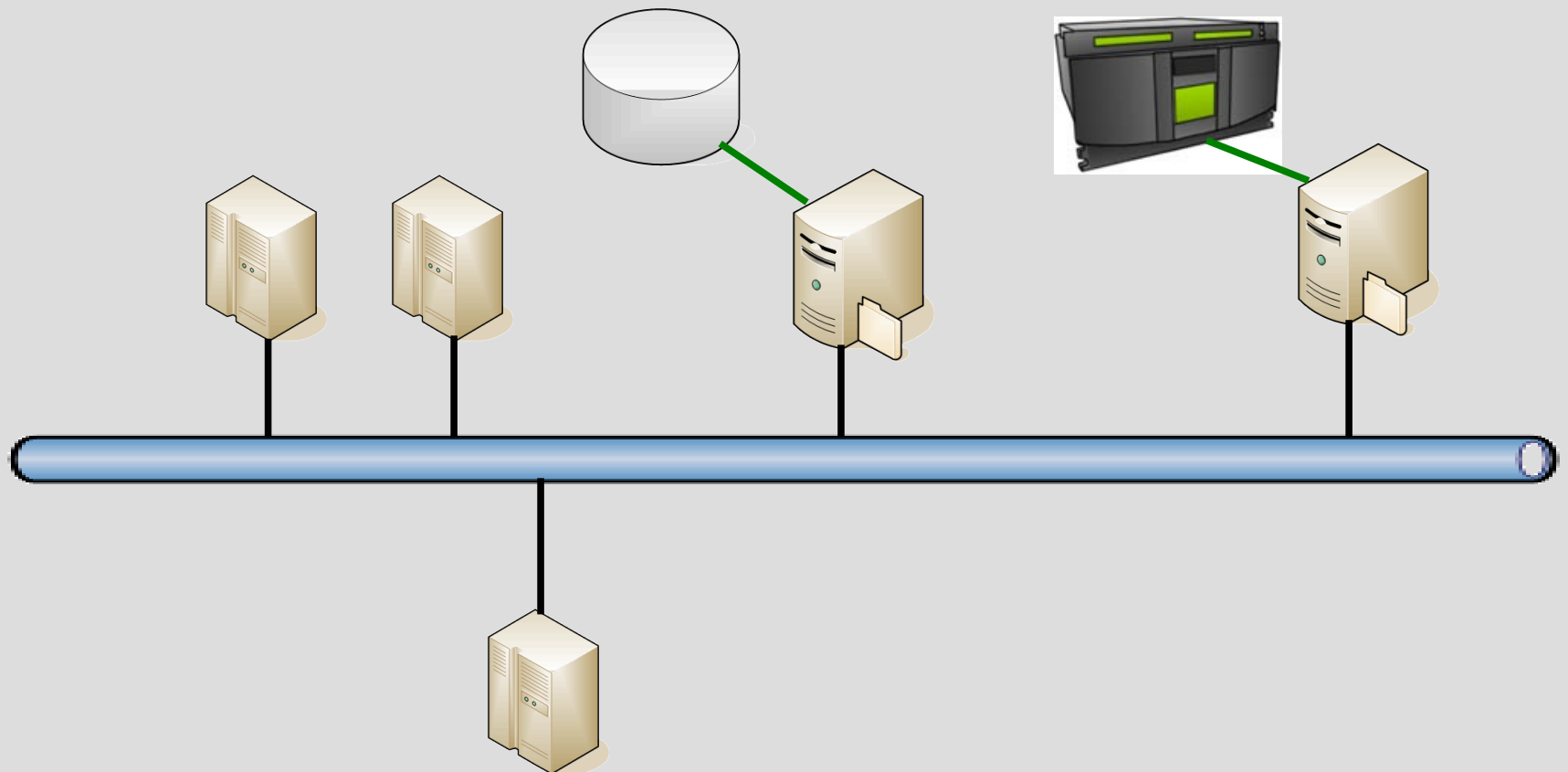
Storage Area Network



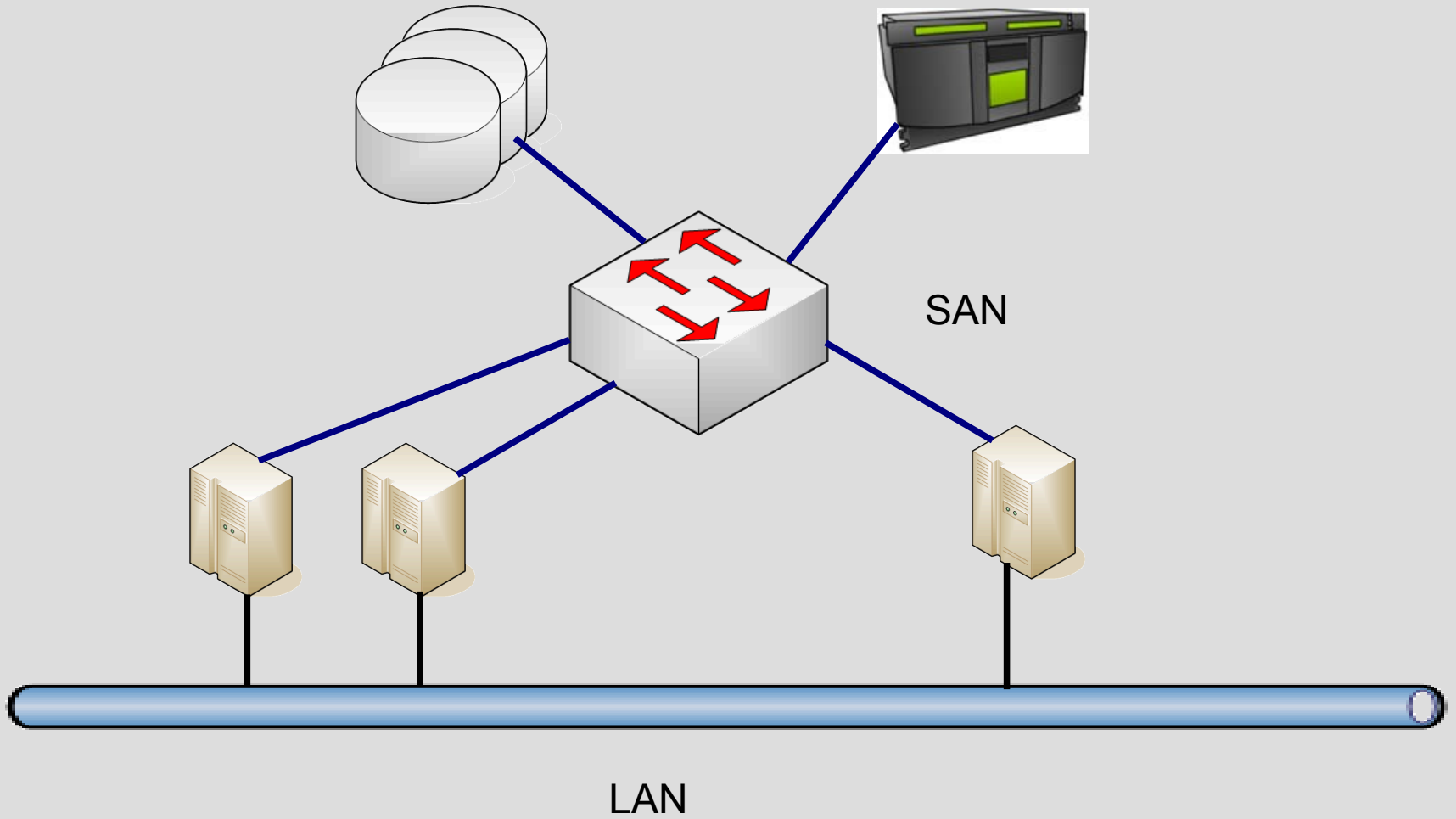
iSCSI Attached Storage



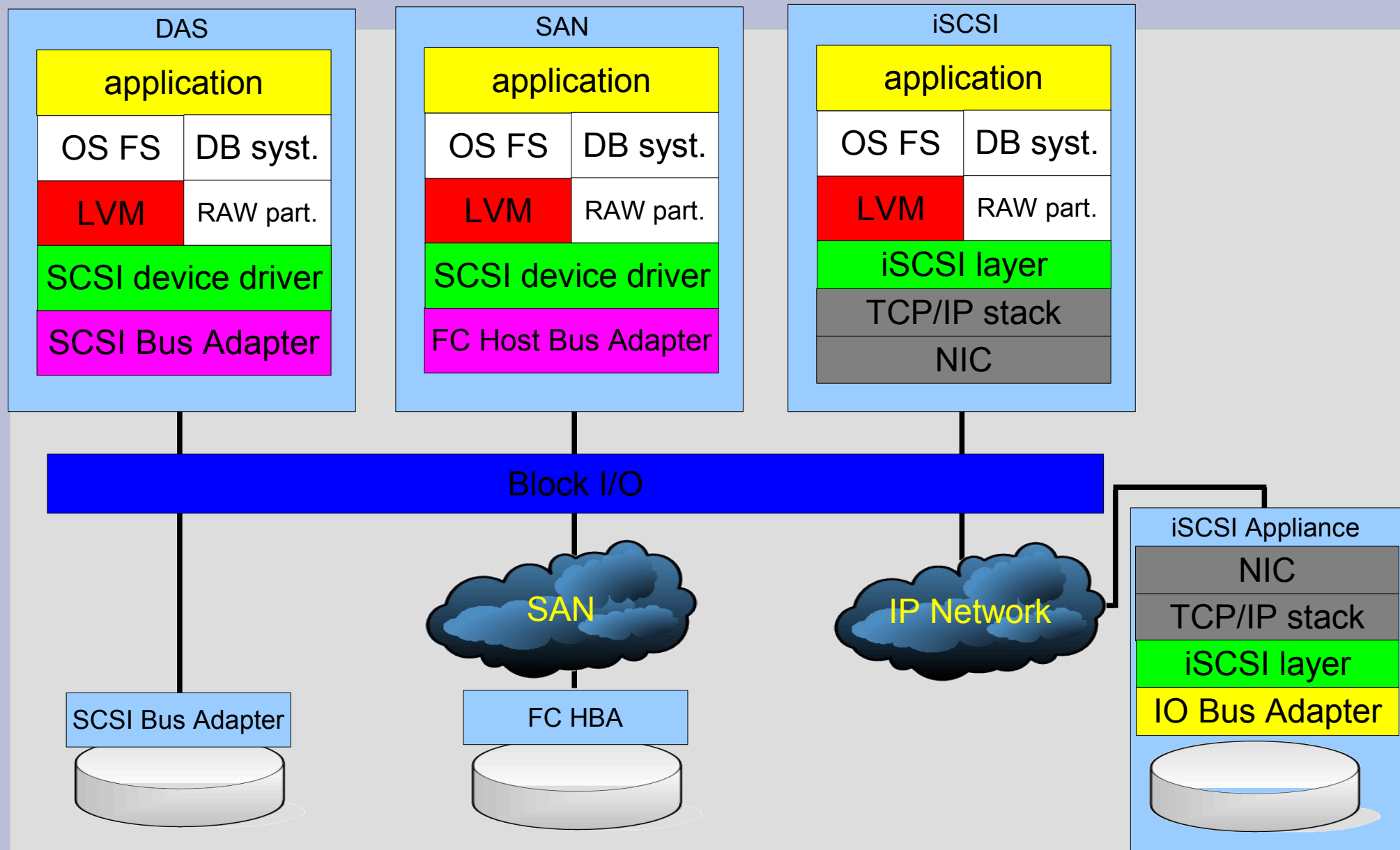
LAN - NAS



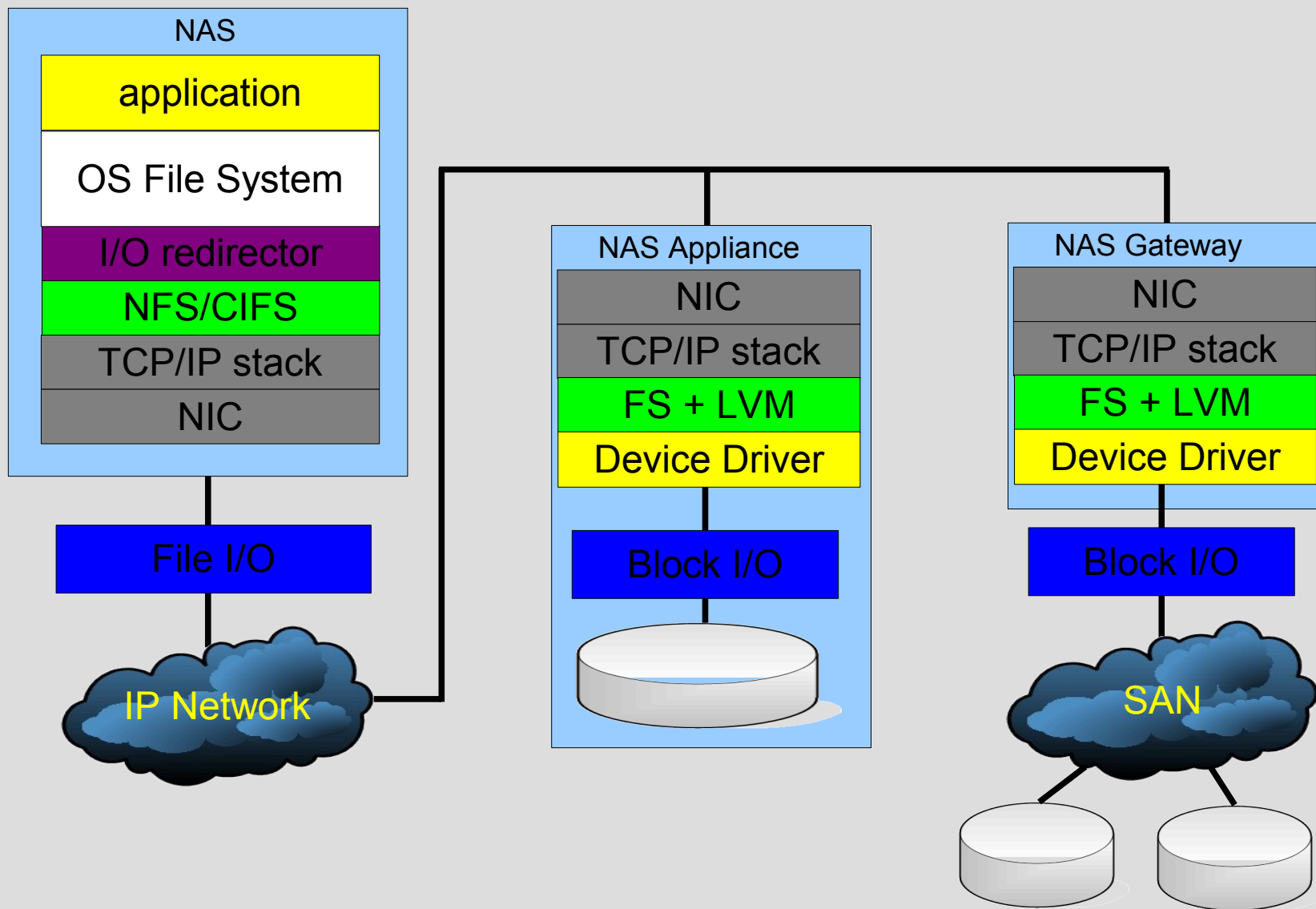
LAN - SAN



Přenos dat

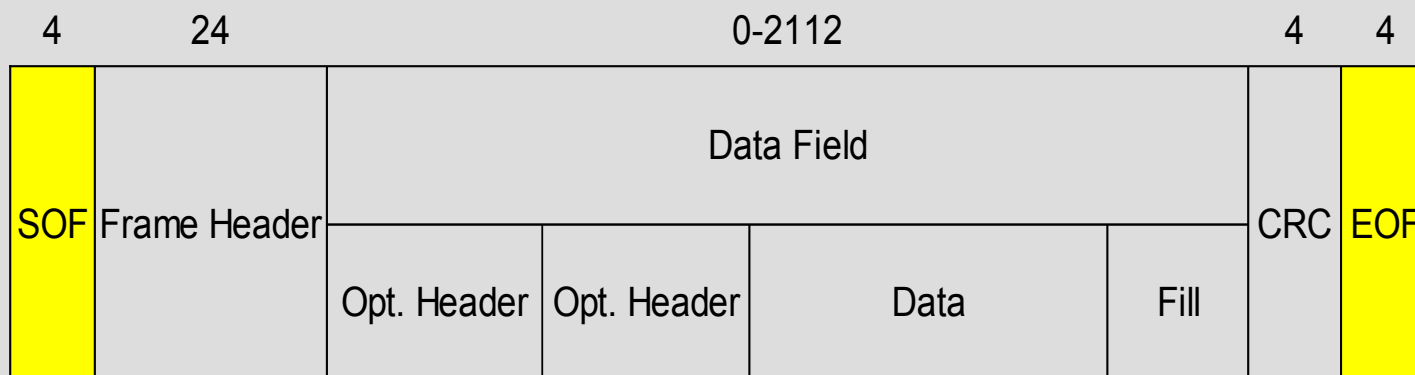


Přenos dat II



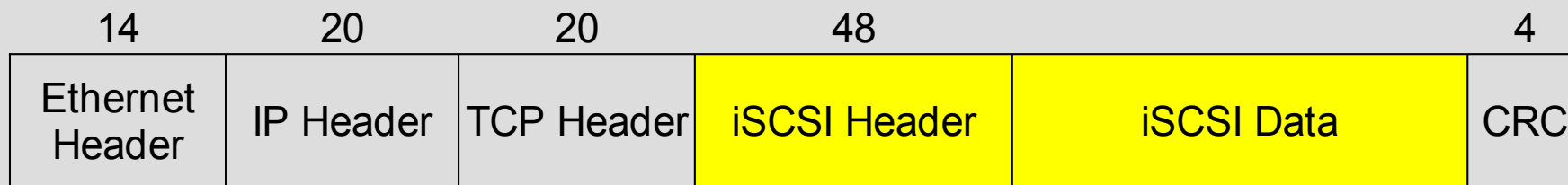
Fibre Channel

- T11.org
- Point-to-Point
- Arbitrated Loop
- Switched Fabric
- 100/200/400/800/1200 MB/s
- podpora řízení toku



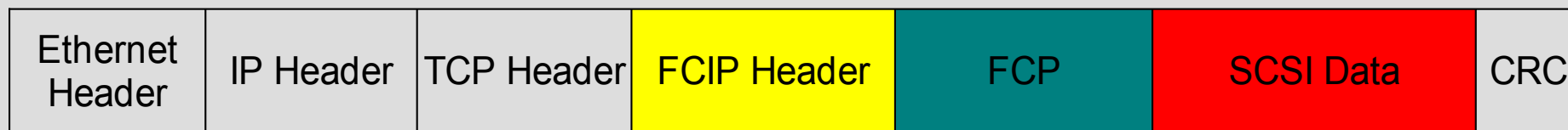
Internet SCSI – iSCSI

- rfc3720
- přenos SCSI příkazů pomocí TCP
- HyperSCSI – SCSI over Ethernet
- podpora HW i SW



Fibre Channel over IP FCIP

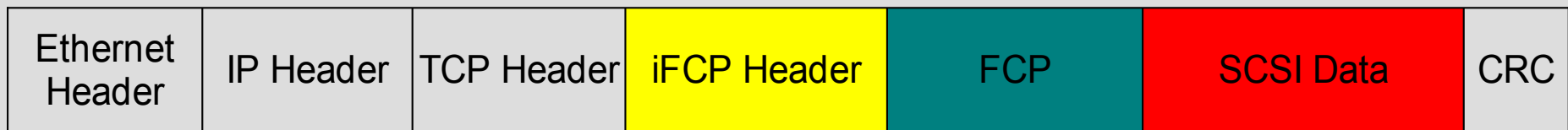
- rfc3821
- tunelování FC přes TCP
- vytváří jednu FC strukturu



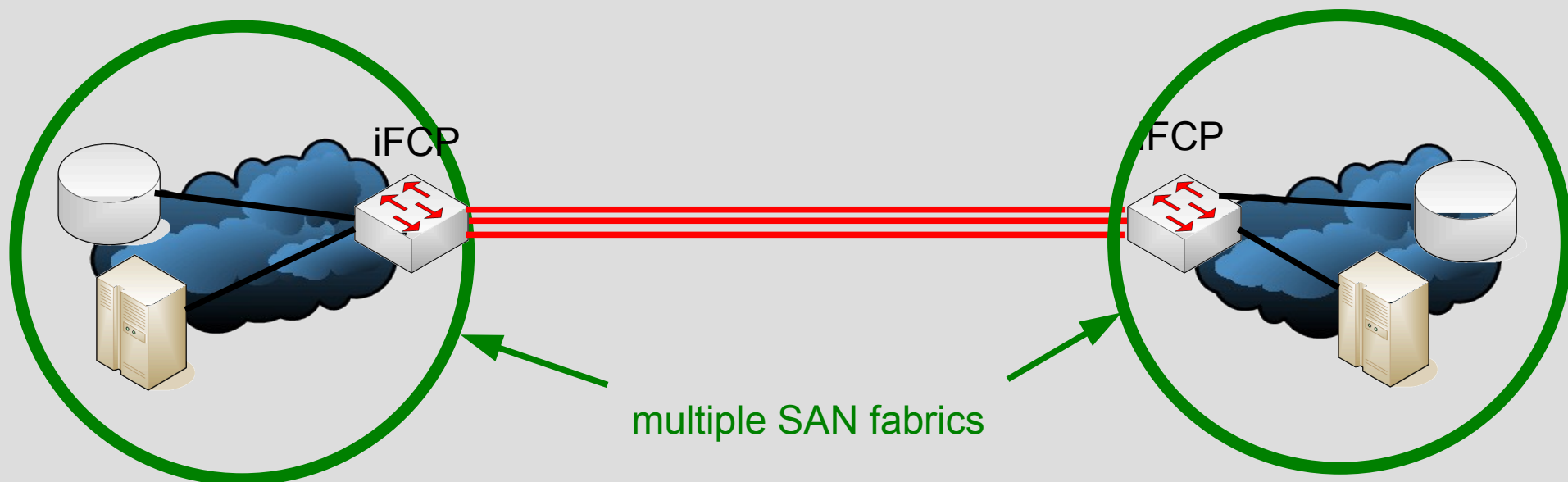
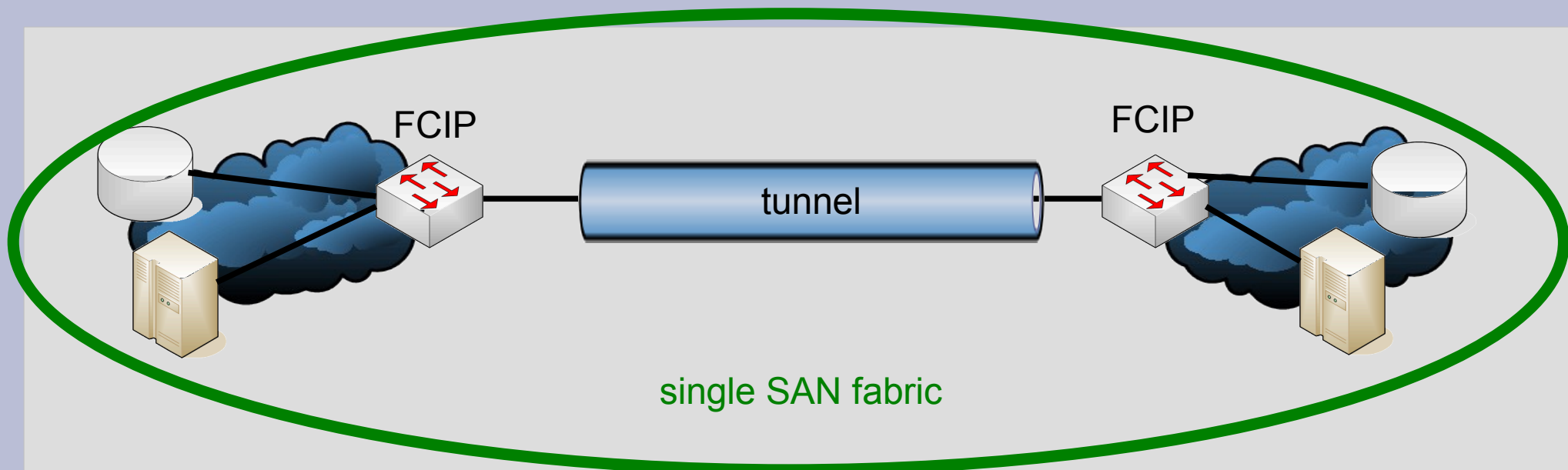


Internet Fibre Channel Protocol iFCP

- rfc4172
- gateway – gateway protokol
- iFCP mapuje FC na IP adresy
- iFCP mapuje FC session na TCP session
- propojuje různé FC struktury



FCIP x iFCP



ATA over Ethernet

- přímé vkládání ATA příkazů do Ethernetových rámců – nelze směrovat
- navržen firmou Coraid
- <http://www.coraid.com/documents/AoEr8.txt>
- eth typ 0x88A2
- přenos - max 2 sektory

IPv4, IPv6, ARP over FC

- rfc4338
- encapsulace IP do FC
- využití FC-4 vrstvy
- aby nebyla nuda :-)

bezpečnost SAN
HA
adresace
implementace