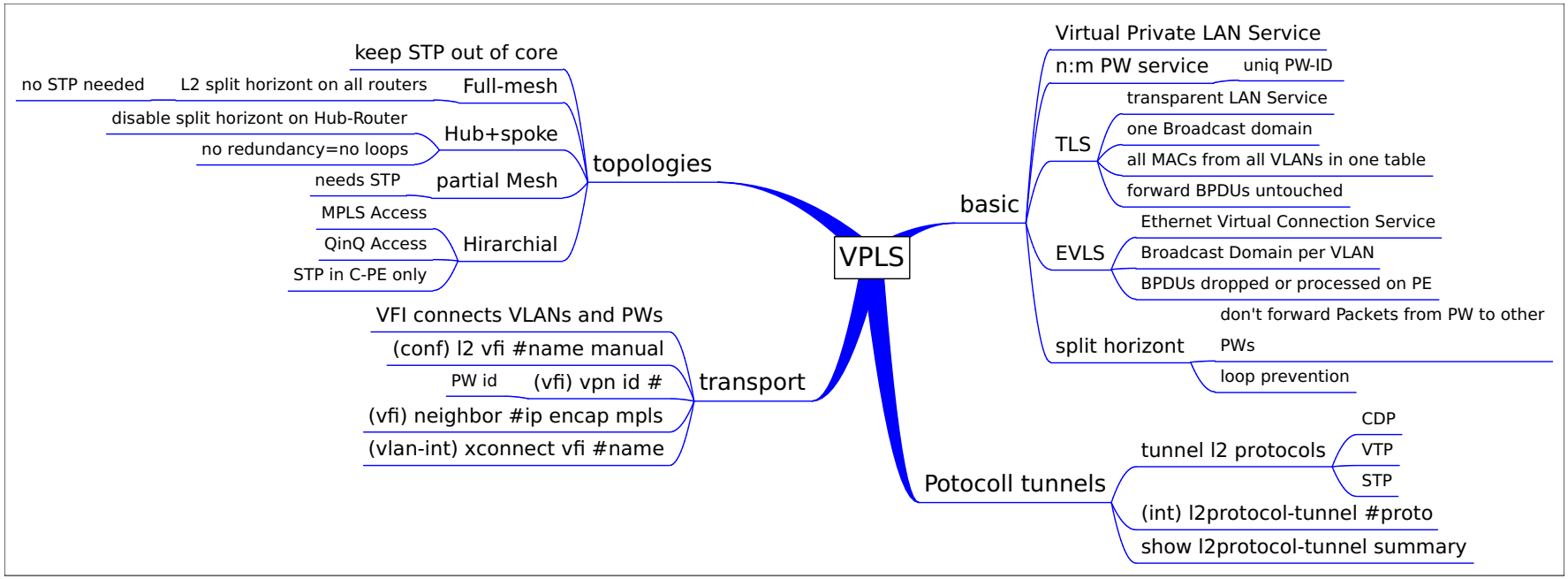
VPLS
topologies
Full-mesh
keep STP out of core
L2 split horizont on all routers
no STP needed
Hub+spoke
disable split horizont on Hub-Router
no redundancy=no loops
partial Mesh
needs STP
Hirarchial
MPLS Access
QinQ Access
STP in C-PE only
transport
VFI connects VLANs and PWs
(conf) l2 vfi #name manual
(vfi) vpn id #
PW id
(vfi) neighbor #ip encap mpls
(vlan-int) xconnect vfi #name
basic
Virtual Private LAN Service
n:m PW service
uniq PW-ID
TLS
transparent LAN Service
one Broadcast domain
all MACs from all VLANs in one table
forward BPDUs untouched
EVLS
Ethernet Virtual Connection Service
Broadcast Domain per VLAN
BPDUs dropped or processed on PE
split horizont
don't forward Packets from PW to other PWs
loop prevention
Potocoll tunnels
tunnel l2 protocols
CDP
VTP
STP
(int) l2protocol-tunnel #proto
show l2protocol-tunnel summary