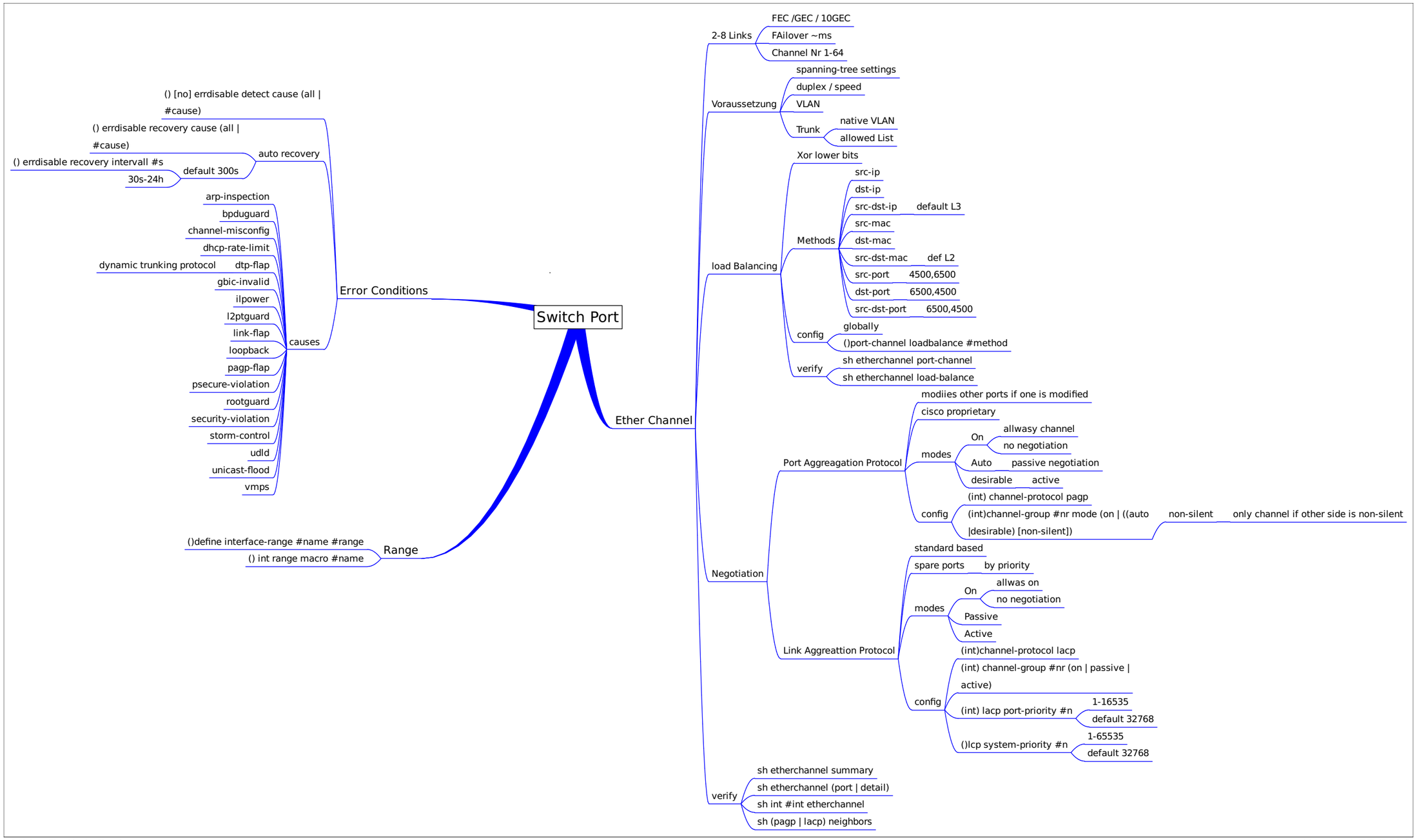
Switch Port
Error Conditions
() [no] errdisable detect cause (all | #cause)
auto recovery
() errdisable recovery cause (all | #cause)
default 300s
() errdisable recovery intervall #s
30s-24h
causes
arp-inspection
bpduguard
channel-misconfig
dhcp-rate-limit
dtp-flap
dynamic trunking protocol
gbic-invalid
ilpower
l2ptguard
link-flap
loopback
pagp-flap
psecure-violation
rootguard
security-violation
storm-control
udld
unicast-flood
vmps
Range
()define interface-range #name #range
() int range macro #name
Ether Channel
2-8 Links
FEC /GEC / 10GEC
FAilover ~ms
Channel Nr 1-64
Voraussetzung
spanning-tree settings
duplex / speed
VLAN
Trunk
native VLAN
allowed List
load Balancing
Xor lower bits
Methods
src-ip
dst-ip
src-dst-ip
default L3
src-mac
dst-mac
src-dst-mac
def L2
src-port
4500,6500
dst-port
6500,4500
src-dst-port
6500,4500
config
globally
()port-channel loadbalance #method
verify
sh etherchannel port-channel
sh etherchannel load-balance
Negotiation
Port Aggreagation Protocol
modiies other ports if one is modified
cisco proprietary
modes
On
allwasy channel
no negotiation
Auto
passive negotiation
desirable
active
config
(int) channel-protocol pagp
(int)channel-group #nr mode (on | ((auto |desirable) [non-silent])
non-silent
only channel if other side is non-silent
Link Aggreattion Protocol
standard based
spare ports
by priority
modes
On
allwas on
no negotiation
Passive
Active
config
(int)channel-protocol lacp
(int) channel-group #nr (on | passive | active)
(int) lacp port-priority #n
1-16535
default 32768
()lcp system-priority #n
1-65535
default 32768
verify
sh etherchannel summary
sh etherchannel (port | detail)
sh int #int etherchannel
sh (pagp | lacp) neighbors