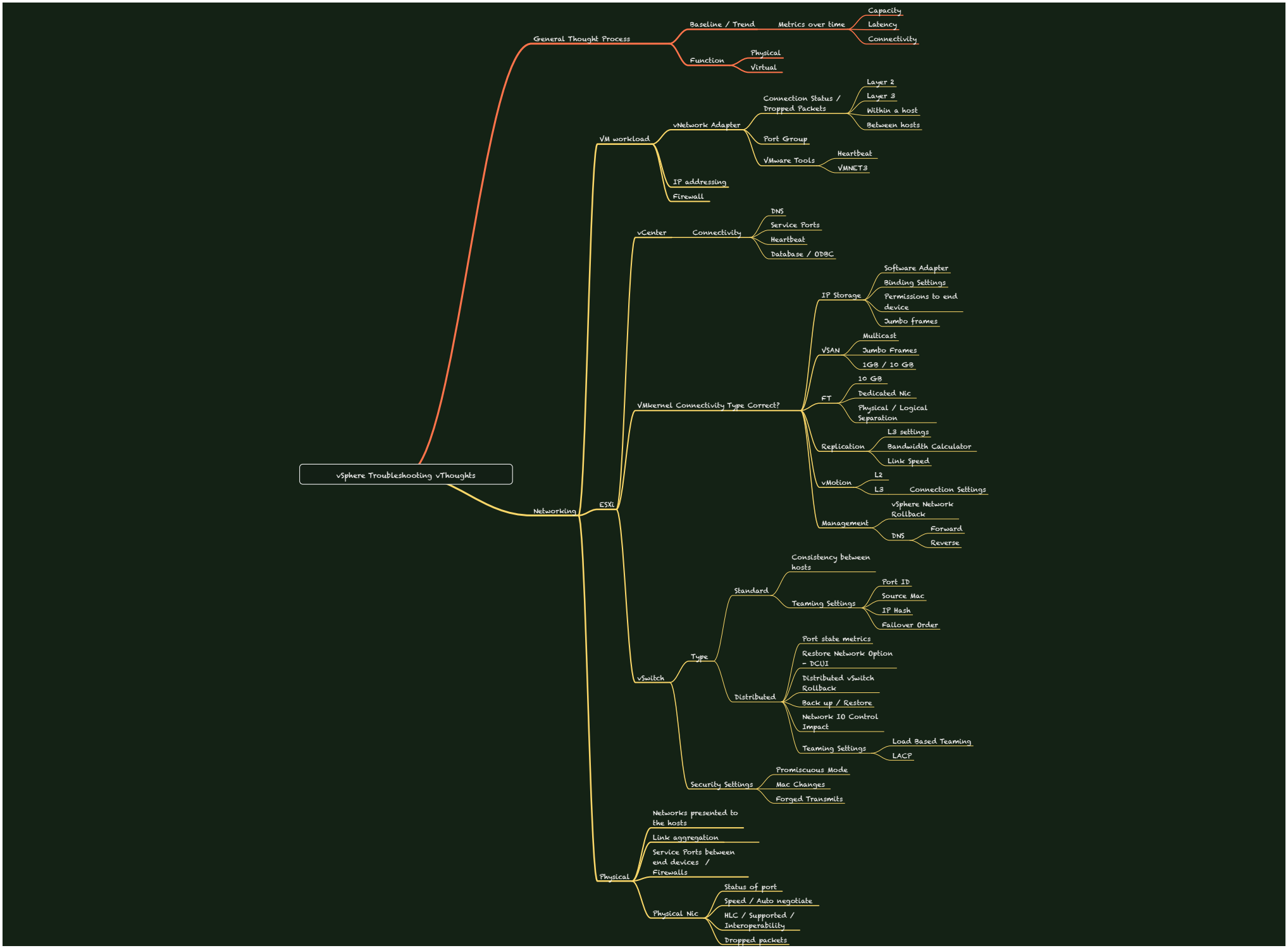
vSphere Troubleshooting vThoughts
General Thought Process
Baseline / Trend
Metrics over time
Capacity
Latency
Connectivity
Function
Physical
Virtual
Networking
VM workload
vNetwork Adapter
Connection Status / Dropped Packets
Layer 2
Layer 3
Within a host
Between hosts
Port Group
VMware Tools
Heartbeat
VMNET3
IP addressing
Firewall
ESXi
vCenter
Connectivity
DNS
Service Ports
Heartbeat
Database / ODBC
VMkernel Connectivity Type Correct?
IP Storage
Software Adapter
Binding Settings
Permissions to end device
Jumbo frames
VSAN
Multicast
Jumbo Frames
1GB / 10 GB
FT
10 GB
Dedicated Nic
Physical / Logical Separation
Replication
L3 settings
Bandwidth Calculator
Link Speed
vMotion
L2
L3
Connection Settings
Management
vSphere Network Rollback
DNS
Forward
Reverse
vSwitch
Type
Standard
Consistency between hosts
Teaming Settings
Port ID
Source Mac
IP Hash
Failover Order
Distributed
Port state metrics
Restore Network Option - DCUI
Distributed vSwitch Rollback
Back up / Restore
Network IO Control Impact
Teaming Settings
Load Based Teaming
LACP
Security Settings
Promiscuous Mode
Mac Changes
Forged Transmits
Physical
Networks presented to the hosts
Link aggregation
Service Ports between end devices / Firewalls
Physical Nic
Status of port
Speed / Auto negotiate
HLC / Supported / Interoperability
Dropped packets