

vSphere 6  
Troubleshooting  
vThoughts

General Thought Process

- Baseline / Trend
- Configuration
- Back up
- Remediate
- Validate

Virtual Machine

Connection state

- Connected
- Disconnected
- Inaccessible
- invalid
- orphaned

Performance Issue

- CPU
  - CPU Ready
  - Limit
  - Logical vs Physical CPU
  - NUMA
  - HoT Plug
- Memory
  - Overcommitment
    - Total
    - Active
  - Ballooning
  - Compression
  - Swap
  - Hot Add
  - working directory
- Network
  - Bandwidth
    - iperf
  - Network IO Control
  - Connectivity
    - Dropped Packets
    - Time Sync
    - DNS
- Storage
  - Latency - DAVG
  - Throughput
  - Guest Queue
  - Number of VMS per datastore
  - Timeouts or latency errors

Functionality Issue

Cannot Power On

- Swap File Size
- Memory Reservation
- Locked files
- missing files
- performance?

Snapshot Issue

- Disk Space
- Disk Content ID
- VSS Driver status
- VMware Tools Status
- Virtual disk mode
- No more than 3 deep
- ACLs

Orphaned

- management agents status
- vpxd log files
- inventory.xml build
- remove and add to inventory