- Config Max
  - Network
    - Nic ports
      - 32
        - e1000(e) (intel)
        - tg3 (Broadcom)
      - 16
        - igb (intel)
        - bnx2 (Broadcom)
      - 4
        - s2io (Neterion)
        - nx_nic (NetXen)
        - ixgbe Oplin (Intel)
        - bnx2x (Broadcom)
      - 2
        - Forcebeth (Nvidia)
    - PCI VMDirectPath Devices = 8 / host
    - vNetwork
      - Standard
        - 4088 ports max
        - 512 port groups per switch
        - 248 per host
      - Distributed
        - 6000 ports per vCentre
        - 512 port groups
        - 16 switches
        - 64 hosts per switch
      - Total ports per host = 4096
  - vCentre
    - 32 bit
      - 200 Hosts
      - 2000 powered VMs
      - 3000 Registered VMs
      - 15 clients
    - 64 bit
      - 300 Hosts
      - 3000 powered VMs
      - 4500 registered VMs
      - 30 clients
    - Linked mode
      - 10 vCentre server
      - 1000 hosts
      - 10000 powered VMs
      - 15000 registered VMs
    - 100 hosts per DC
    - Extensions
      - Update Manager
        - Scalability
          - 70 Cisco VDS
          - 4000/200 VMs scanned
          - 300/200 hosts scanned 32/64bit
        - Concurrent Operations
          - 145 Linux/VM tools/hardware Scans per host/VUM server
          - 6 Windows VM scans (on/off)
          - 5 VM remediation per host
          - ESX
            - 72 Scan / VUM
            - 8 remediate per VUM
            - 48 update / VUM
            - 1 upgrade per cluster
      - Orchestrator
        - 10 vCentre
        - 100 ESX(i)
        - 3000 VMs
        - 150 running workflows
      - Convertor
        - 16 import/exports
      - SMI-S
        - 1 vCentre connected
        - 1 ESX(i) connected
        - 100 ESX(i) Managed
        - 1000 VMs registered
        - 100 Datastores registered
  - Storage
    - VMFS
      - RDM size = 2TB-512B
      - Volume Size = 64TB-16k
      - VM / Vol = 256
      - Vol / Host = 256
      - Hosts / Volume = 64
      - Extents / Vol 32
      - Hosts / Cluster = 32
      - Extent size = 2TB-512B
      - Max IOs (before split)= 32MB
    - VMFS-2
      - Files / vol = 256 + (64 * # ext)
      - Blocksize = 256MB
      - File size
        - bs=1M -> 456GB
        - bs=8M -> 2TB
        - bs=64M -> 27TB
        - bs=256M -> 64TB
    - VMFS-3
      - vols / host = 256
      - files / vol = ~30,720
      - Block size = 8MB
      - File size
        - bs=1M -> 256G-512B
        - bs=2M -> 512G-512B
        - bs=4M -> 1TB-512B
        - bs=8M -> 2TB-512B
    - VMDirectPath
      - 2 per VM
  - Host Maximums
    - 256 iSCSI targets
    - 255 LUN IDs
    - 8 (64) NFS stores
    - 16 paths to a LUN
    - 8 iSCSI paths per LUN
    - 4 iSCSI ports
    - 8 HBAs
      - 16 ports
    - 1024 Total paths
    - 64 cores
    - 8 PCI VMDirectPath devices
    - 320 VMs per host
    - 4 Serial
    - 3 Parallel
    - CPU
      - 20 vCPU per core
      - 512 vCPU per host
  - Memory
    - RAM / host = 1TB
    - Service Console RAM = 300-800MB
  - Clusters (32 hosts)
    - HA
      - 32 hosts per cluster
      - 100 VMs per host (<9 hosts)
      - 40 VMs per host (9+ hosts)
      - 4 Failover per cluster
      - 50% failover total
    - DRS
      - 1280 powered VMs per cluster
      - 256 VMs per host
    - Resource Pools
      - 4096 pools per host
      - 1024 Children per resource pool
      - 12 tree depth per pool (10 with DRS)
      - 512 pools per cluster