

Small/Mid Companies, State Counties, Community Hospitals

Proposed centralized ultra thin client desktop infrastructure options that scale with flexibility

* High Availability (HA) servers option shown washout/grey.
Can grow into HA and disaster recovery configurations.

** Sun Ray sizing 35 users/core
VDI sizing 8 users/core
VDI sizing 1 GB RAM/user

Desktops

Single Monitor



Dual Monitor



All-In-One (Monitor & Client)



Server Infrastructure Options

(A) Terminal Services for Windows Desktops

User Load Estimate - # Desktops
 • 50 Users (growth w/ current config)
 • 100 Users (add ram only)

~ \$Lowest



- Sun Ray Server
- x2270: 4 core Nehalem (8 max)

Existing Server



- Windows Terminal Server

(B) Virtualized Desktops Using Sun VDI w/ VB

User Load Estimate - # Desktops
 • 20 Users (growth w/ current config)
 • 110 Users (add ram only)

~ \$Low-Mid



- Sun Ray Server – VDI control
- x2270: 4 core Nehalem (8 max)



- Sun Ray Servers – VDI
- Sun VDI with Virtual Box
- x2270: 8 core Nehalem
12G ram (96 G max)

(C) Virtualized Desktops Using Sun VDI w/ VMware

User Load Estimate - # Desktops
 • 20 Users (growth w/ current config)
 • 55 Users (add ram only)

~ \$Mid



- Sun Ray Servers
- x2270: 4 core Nehalem (8 max)



- Sun VDI with VMware
- Virtual Center in VM
- x4170: 8 core Nehalem
24 G ram (144 G max)

NAS/SAN Storage Options

Storage



Storage Server (4 TB)

~ \$Lowest



Storage Server (4-12 TB, SSD)

~ \$Low



Storage Appliance 7110 (4 TB)

~ \$Low-Mid

Desktops

- Ultra thin-clients. No OS to manage, no moving parts.
- 22 years MTBF
- Connects to Windows, Solaris or Linux Virtual Machines
- Built-in SSL & VPN connects

Sun Ray Servers

- Securely and efficiently routes Virtual Desktops.
- Eliminates redundant OS on the desktop.
- Built-in load balancing and failover when using multiple servers.
- Remote access using SGD

Virtualized Desktops

- A - Using Terminal Services
- B – Using VB for XP/Win7 DTs
- C – Using ESX for XP/Win7 DTs
- Desktop Virtualization manager (broker) using Sun's VDI

VM & "Home/Share" Storage

- CIFS, NFS, iSCSI w/ AD & LDAP
- Built-in snapshot and replication
- Thin provisioning, compression
- General shares, home folders or roaming profiles.