

Exceptional service in the national interest



VDI with Dedicated Graphics

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VDI Project





- Provide a new “Diskless” computing solution for that provides increased functionality and improved performance over aging terminal server and diskless offerings
- ~35% of user community requires some level of graphics capability
- Cross Organizational team
 - Representation from: Infrastructure, Storage, Network, Applications, Image Management, and Client/Image Support
- Evaluate and select preferred architecture
 - Reference Architectures, Converged Solutions, Storage, Hypervisor, client hardware
 - Capability purchased with investment dollars

VDI Service Offerings

Linked Clone	Persistent	Persistent W/GPU
< 30 second access time	< 30 second access time	< 30 second access time
Client Independence	Client Independence	Client Independence
Linked Clone w/ Persona	Full Persistence	Full Persistence w/ GPU*
Standard COE Apps	COE + user specific apps	COE + user specific apps
2D Graphics	2D Graphics	3D Graphics
Backend VM Mgt (patching)	User patching (automated)	User patching (automated)
Static Image	Administration via RDP	Administration via RDP
\$400 Annual Support Fee	\$1175 Annual Support Fee	\$1175 Annual Support Fee

*We offer three tiers of direct mapped GPU. Demonstrated success supporting Graphics applications from Google Earth up to High End PTC Creo (ProE).

VDI Technology

- VDI Success as Value Proposition
 - End User Experience vs TCO
- Key Technology Factors
 - Capabilities 
 - Performance 
 - Stability
 - Availability
 - Scalability 
 - Mobility 
 - Security

VDI Technology - continued

- Impacts on the End User Experience
 - Chosen VDI Solution (Virtualization Environment)
 - ★ ■ Compute, Memory, GPU (Virtual Host Servers)
 - ★ ■ Storage (VDI, Data)
 - Network (Datacenter, Edge)
 - ★ ■ Space, Power, Cooling
 - Backups (Data, Environment)
 - ★ ■ Applications (COE, Custom CPU/GPU Intensive)
 - Application Delivery (Embedded, Thinned, Layered)
 - ★ ■ Client Endpoints (Configurations, Peripherals)
 - Related IT Services (AD, Group Policy, DNS, DHCP)
 - ★ ■ Advances in Technology (IT Service Evolution)
 - Benchmarking, Testing, Pilot Programs
 - Technical Support Team(s) and Processes

VDI – Sample Blueprint

