NComputing

OVERVIEW verde

VDI for Today's Dynamic Desktop

The VERDE VDI Suite

VERDE VDI™ CORE
VERDE VDI CONSOLE™
VERDE VDI LEAF™
VERDE VDI BRANCH™

NComputing offers a fresh alternative to VDI. Our flagship product, VERDE VDI, is an end-to-end virtual desktop infrastructure and management solution that combines VDI and VDI remote branch solutions to remove the management burden, complexity and cost traditionally associated with desktop virtualization solutions.

VERDE VDI offers unified management and reporting through a single console and is adaptable for today's dynamic environment. Ideal for companies of all sizes, VERDE VDI can scale up to ten thousand clustered servers or scale down to a single-server configuration.

verde™ VDI CORE

- ☑ Servers and Clusters
- ☑ Gold Master Images
- ☑ AD/Directory Services
- ☑ Shared Storage

VERDE VDI brings together powerful core technology that no other vendor can match including:

- **Servers and Clusters:** Authenticate and authorize user access to Gold Master Images based on corporate policy; sessions are then run directly from the servers.
- **Gold Master Images:** Reduces management significantly. Administrators create only a few desktop images with the required operating system and applications that different classes of users need. Users then run a read-only copy of the Gold Master Image with personal settings and documents written to a separate user disk.
- **AD/Directory integration:** Seamlessly integrates with Active Directory, Novell E-directory and others for AAA.
- **Shared Storage:** Works with Direct Attached Storage and any external shared storage NAS or SAN. Allows using clustered local attached storage using GFS and GPFS to dramatically lower the cost of VDI storage requirements.

Highlighted Capabilities Include:

- Completely stateless cluster servers increase scalability with Distributed Connection Brokering architecture
- Gold Master Image model ensures users are running the latest version, significantly reducing the number of images requiring management and providing native malware resistance to all desktop sessions
- Lightweight App Layering technology streamlines deployment of applications inside VERDE VDI Gold Master Images
- Single console supports USB peripherals for online, offline and branch VDI users

verde™ VDI

- ☑ Desktops hosted and managed in data center
- ☑ Clients — PCs, Mac, Thin Clients & PDAs, Windows and Linux
- ☑ VERDE VDI Display protocol, RDP, HTML5

VERDE VDI Virtual Desktop Infrastructure provides dynamic routing of user sessions to the least busy and memory optimized VERDE VDI server through Distributed Connection Brokering. This brokering provides no single point of failure or choke point allowing greater availability and scalability. Additionally, the VERDE VDI Server Side Hypervisor includes the VERDE VDI Hypervisor based on a KVM hypervisor optimized for Desktop Virtualization. Hardware-assist (VT) allows more desktops to run per CPU core. KSM (Kernel Shared Memory) improves memory density.

Highlighted Capabilities Include:

- Completely stateless cluster servers increase scalability with Distributed Connection Brokering architecture
- Role- and task-based provisioning for VDI deployment modes
- Purpose-built solution runs on Windows, Linux, MAC workstations, Netbooks, iPads and PDAs.
- Multi-task capabilities enable users to launch more than one virtual desktop session simultaneously
- Support for SPICE high-def multimedia protocol and SmartCast technology provisions the appropriate protocol (SPICE, RDP or HTML5) based on the user connection and type of desktop for a rich PC experience
- Single console supports USB peripherals for online, offline and branch VDI users

verde CONSOLE

The VERDE VDI web-based monitoring console offers real-time visibility to all virtual desktop sessions running on VER DE cluster servers. Administrators have flexibility to view virtual desktop sessions grouped by u ser or server or based on type of Gold Image. In addition, the console provides real-time server utilization metrics.

Capabilities Include:

- Unified management console between VDI, offline VDI & branch VDI.
- At-a-glance views to virtual desktops by user, server of type of Gold Image.
- Configurable reporting including capacity and historical data, user events (login/logout) desktop and application activity, admin events (login/logout), etc.
- Centralized visibility for VDI, offline VDI and branch VDI.
- Support for USB peripherals in VDI, dffline VDI and branch VDI users.
- Desktops hosted on the local PC & managed from data center
- Desktops hosted from USB stick and managed from data center
- Access Client — Any web browser, including PDAs

verde LEAF

VERDE VDI LEAF provides connected (access to remote virtual desktop sessions) and offline (virtual desktop session is locally cached and executed on the client machine) access. LEAF is a purpose built thin client OS that allows you to re-purpose existing PCs. It improves the security and lowers the cost of end points by allowing disk-less operation. LEAF is a self-contained, fully secure local desktop virtualization platform that includes integrated VOIP (Skype) applications.

Capabilities Include:

- Re-purposing of legacy desktop hardware to extend their life.
- Support for USB peripherals for online and branch VDI Users.
- Reduced Windows licensing cost.
- Gold Master Image model updated on the central server and automatically reflected in the user's LEAF environment.
- Centralized management through LEAF provides disconnected/local execution for mobile and offline desktop users.
- Desktops hosted on branch server & managed from data center
- Current PCs can convert to disk-less thin client end point device.
- Available as a PXE, USB or embedded solution.

verde BRANCH

Ensure IT services are up and running for every employee, at every branch. VERDE VDI Cloud Branch eliminates WAN latency to deliver a native-PC experience even over choppy and unreliable networks. VERDE VDI Cloud Branch reduces network bandwidth in many scenarios while providing business continuity even if the network is down. Our Cloud Branch server connects directly to the VERDE VDI Cluster and Gold Master Image repository, providing a consistent, high-quality experience.

Capabilities Include:

- Direct connection ensures branch users are running the latest, authorized copies of desktop sessions.
- Organizations benefit from higher performance and response times while maintaining centralized control of desktop images in the data center – eliminating the need for expensive WAN optimization infrastructures.
- Support for USB peripherals for online, offline and branch VDI users.
- Zero-admin Cloud Branch delivers LAN-like VDI performance for branch users.

SYSTEM REQUIREMENTS

Standalone or Cluster, in Data Center or Cloud Branch

- 64-bit Intel Xeon or AMD Opteron processor(s) with Intel VT or AMD-V
- 4GB RAM minimum
- 100GB local storage minimum, plus access to shared storage if clustered
- 1Gbps Ethernet port minimum
- Ubuntu Linux Server 10.04, RedHat Enterprise Linux 6, or SUSE Linux
- Enterprise Server 11
- Actual CPU core, memory, and disk capacity depends on concurrent virtual desktop deployment size.

REMOTE VDI ACCESS

- Windows XP/Vista/7/8.1/10, x86 Linux, or Mac OS X 10.5.X
- Most thin client vendor devices supporting Linux or Windows XPe (e.g. DevonIT, Wyse, etc.)
- Java-enabled web browser required (IE, Chrome, Firefox, Safari)

VERDE VDI LEAF

- Managed Local Process and Disconnected Use
- 64-bit Intel or AMD processor with Intel VT or AMD-V technology
- 2GB RAM minimum (3GB+ recommended)
- 32GB local storage minimum (internal hard disk or portable drive)
- Ethernet or wireless networking
- Actual CPU power, memory, and disk capacity depends on type and size of virtual desktop(s) to run on client. Minimum requirements are okay if LEAF is used for VDI access only.

Supported Virtual Desktops

- Supporting Virtually All Desktop Applications
- Windows XP or Windows 7 (including 64-bit Windows 7)
- Windows 8.1 and Windows 10 (32-bit and 64-bit)
- 32 or 64-bit CENTOS and RedHat Enterprise Linux 5, 6, 7
- 32 or 64-bit Ubuntu 12, 14, 16
- Open_Suse Desktop 13.2

Need more info?
We'd love to talk to you about your project. Click here.

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