

OnDemand Desktop™

Sychron has pioneered a next generation server-based virtual desktop (VDT) management system designed to make enterprise desktop computing easier to install and manage, more secure, and more cost effective to scale. Our flagship solution, OnDemand Desktop, enables highly automated provisioning and management of server-based, user- and job-specific VDTs – all with guaranteed service levels.

OnDemand Desktop leverages Sychron's breakthrough Habitat™ technology, automation that greatly simplifies the management of large numbers of VDTs for individual users and groups of users. Habitats dynamically maintain a reservoir of VDTs, conserving resources by starting and stopping them relative to the number of logged in users. Habitats are designed to use only disposable (i.e., "stateless") VDTs from a shared, read-only gold image. When users log out, Habitats recycle VDTs (discard and reprovision them) **guaranteeing users a pristine workspace** every time they log in. No other approach to desktop virtualization can provide this level of automation and ability to scale user-specific virtual desktops.

{ Provision. Manage. Secure. Scale. }

Unlike other virtual desktop solutions, OnDemand Desktop integrates connection broking, provisioning engine, and load balancing to provide tightly coupled and highly automated runtime automation. No third-party VM management components are necessary, nor is any SAN or NAS mandatory, **dramatically lowering the cost of entry**. High availability and disaster recovery may be efficiently and cost-effectively achieved.

OnDemand Desktop is a flexible solution with support for mixed platform environments including Microsoft and VMware and is architected to support additional platforms. The Sychron Command Center is an easy to use graphical interface to create and manage computer resource clusters and the Habitats deployed on them.

Sychron Delivers:

- Immediate Access and High Availability
- Tighter Security
- Centralized Compliance
- Lower Operating Costs
- Improved Scalability

THE SYCHRON ADVANTAGE

Improved Service Levels

Multi-user terminal servers bog down at the most inopportune times. Imagine being able to provide always-on, performance guaranteed desktops to any user, device, and location.

Reduced Complexity

PCs are acquired in cycles, chosen each time on price, performance, and best-fit criteria. Typical organizations own multiple PC makes and models, each with varying support needs for drivers, software versioning, and hardware spares. Imagine consolidating to an unchanging PC platform (thin clients connected to virtual machines) and maintaining one PC operating system and application set that services an entire class of users.

High Energy Efficiency

Individual PCs are not energy efficient and by most estimates achieve daily CPU utilization of less than 5%. Imagine every PC/monitor that today may constantly burn 120 or more watts replaced with thin clients and OnDemand Desktop servers using fewer than 40 watts combined per desktop!



KEY FEATURES AND BENEFITS

Easier to Manage and Administer

- Fully automate provisioning and management of myriad virtual desktops using **Habitats**.
- Deploy upgrades in minutes, not days.
- Conserve – stop (power-off) VMs when not needed.
- Tighten data security – centralize user storage and data management.
- Fully personalize VDTs via roaming profiles and folder redirection.
- Simply authorize users to resources using user directory “security groups.”
- Set local privileges such as printers and peripherals (USB, smart devices, etc.).
- Flexibly design and configure fault tolerant architectural solutions.
- No changes are necessary to existing network resources or back-end systems.

No-Compromise, Enjoyable User Experience

- Fast disconnect and reconnect for roaming users
- Single sign-on for authorized access across all platforms and available desktops
- “Roam” from access device to device (including thin clients, any browser-enabled device, tablet PCs, home PCs, etc.)
- Enjoy coming back to desktops just like they were for seamless work continuity
- Automate location-sensitive settings such as printer mappings, application access, or other user settings
- Use roaming profiles and folder redirection to retain personalized desktop settings and user-specific file systems (i.e., “My Documents”)
- Set Habitat SLAs (service level agreements) to protect users’ desktop performance

ONDEMAND DESKTOP ARCHITECTURE

Synchron supports heterogeneous networks and multiple virtualization platforms, including VMware VI3™, Microsoft Hyper-V™, Microsoft Terminal Server™, and provides the architectural flexibility to support any additional platforms.

A typical architecture may include:

- one or more VMware VI3 servers
- one or more Microsoft Hyper-V servers
- one or more Microsoft Terminal Servers
- multiple virtual desktops (XP™, Linux, Windows Server 2003™, or Vista™)
- combinations (as access clients) of remote or local thin clients, Windows PCs, laptops, tablets, or PCs re-purposed as thin clients
- unlimited, no-charge instances of OnDemand Desktop Portal
- unlimited, no-charge instances of OnDemand Desktop Command Center
- any third-party VPN, firewall, and/or proxy login server solution

