



# Propalms VDI

## WE SIMPLIFY VDI

Today, virtualization has already revolutionized the server landscape. VDI (Virtual Desktop Infrastructure) takes virtualization to the desktop environment, bringing with it the management, availability and control benefits that have been so successful in server virtualization.

Desktop Management is one of the largest challenges to IT and the most significant cost of this is operational, including staff to deploy, maintain, update, backup and support the infrastructure. Therefore deploying a VDI infrastructure that simplifies the management and control of these environments is a huge benefit to both IT and the organization as a whole.

Propalms VDI is a Management and Connection Brokering solution for Virtual Desktop deployment across the enterprise. Propalms VDI provides an end to end solution to virtual desktop and application delivery. Using Propalms VDI you can deliver virtual desktops to users, deliver applications to virtual desktops, automate tasks inside virtual desktops and have full monitoring and management control from a central management console.

This version of VDI has been developed in conjunction with prominent virtualization providers like VMware, Parallels and KVM, offering the most cost effective VDI solution on the market without compromising functionality.



## KEY FEATURES

- **Simple Management Console:** Using the management console, admins can schedule virtual desktop creation, assign desktops to users and groups, assign applications to desktops or users, manage and monitor active users and perform desktop management via a simple to use interface.
- **High Density VDI Solution:** Propalms VDI supports Parallels Virtuozzo containers virtualization platform which can support a greater number of virtual desktops per hardware machine than hypervisor based solutions.
- **Reuses Existing Virtualization Environment:** Propalms VDI supports multiple virtualization platforms like VMware, KVM and Parallels Virtuozzo Containers providing the option of reusing existing infrastructure.
- **Flexibility in Deployment of Hypervisors:** Propalms VDI allows admins to finetune virtualization platform usage based on specific requirement by utilizing composite deployment.
- **Extends Vendor's Native Management:** Integration and automation of virtualization hosts management features.
- **Desktop Pools:** Administrators can pool virtual desktops from one or multiple virtualization hosts to apply similar settings to the member desktops.
- **Automated Desktop Creation:** Virtual Desktops can be created from the VDI management console or they can be created whenever a new user logs in. Avoids the headache and time consuming process of pre-creating the desktops for all users.
- **Flexible Desktop Allocation:** Propalms VDI provides highly flexible desktop allocation policies. A single desktop pool can be shared between users from different roles, OUs or even devices that are part of a specified subnet. A single group, OU or set of devices can be assigned multiple desktop pools. The persistence of the machines assigned to the users can be set to temporary or permanent. A temporary fallback machine is made available to the user if the user's permanent machine is not available.
- **Application Delivery:** Propalms VDI solution makes use of Parallels' built in application delivery solution to deliver applications to virtual desktops. The applications on the virtual desktops can be made available based on the role of the user or based on the connecting device network parameters. Applications on the virtual desktops can be assigned and unassigned dynamically without requiring user intervention.
- **Desktop Power Management:** Propalms VDI connection broker monitors the usage of virtual desktops and turns off the desktops which are found idle for specified period of time, thus increasing efficiency of the virtual infrastructure.
- **Auditing and Reporting:** User authentication, access and administrator change logs.
- **VDI Portal:** Web based access to Virtual Desktops.
- **Client Support:** Users can use the Propalms VDI desktop client to login to get access to their virtual desktop. Propalms VDI client supports Windows, Linux and MAC OS X platforms.

## BENEFITS

- **Highly Agile Desktops**  
Deliver new desktops to users in seconds
- **Simplified Management**  
Centralized desktop and application management
- **Ease of Deployment**  
Templates provide instant delivery to users
- **Security**  
All data is kept centrally in the datacenter
- **Availability**  
Desktops always available and desktop refreshes performed in seconds
- **Support**  
Reduced support costs through centralized deployment
- **Remote Working**  
Deliver corporate desktop to remote workers
- **Lower TCO**  
Dramatically reduce TCO with efficient licensing, hardware utilization and power saving
- **Propalms VPN Integration**  
Seamless integration into Propalms VPN Portal for simple remote access
- **Competitive Licensing**  
Propalms VDI has been priced to ensure Desktop Virtualization is affordable for all businesses.

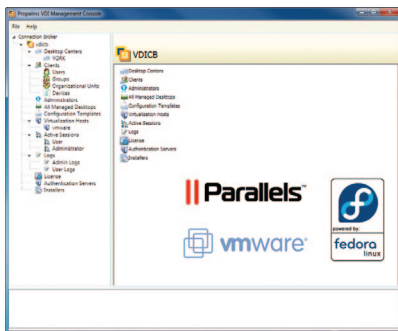


## 5 Components of the Propalms VDI solution:

- Propalms VDI Access Point
- Propalms VDI Connection Broker
- Propalms VDI Management Console
- Propalms VDI Desktop Agent
- Virtualization Hosts - [Parallels Virtuozzo Containers, VMware ESXi, KVM]



Propalms VDI Management Console



## COMPONENTS OF THE PROPALMS VDI SOLUTION

All VDI solutions tend to be made up of the following components: the end user access, a connection broker that manages end user to server connections, a virtualized desktop instance, a virtualization engine to create the desktops and finally, the management tools to manage the virtualization.

### Propalms VDI Access Point

The Propalms VDI Access Points allow users to connect to their virtual desktops. The VDI desktop client is a small footprint platform client that is installed on an end user device, either a PC or thin client. Users login to the Propalms VDI client and are provided access to their virtual desktop. The VDI Portal provides web based access to a users virtual desktop.

### Propalms VDI Connection Broker

Propalms VDI Connection Broker Service is a highly scalable service which can cater for thousands of VDI users. It is important to know that connection broker performs the following tasks:

1. Authenticates the user
2. Assigns virtual desktops based on policies
3. Makes sure the virtual desktop is up and running
4. Monitors the state of virtual desktops

The remote desktop connection from the user's machine bypasses the connection broker completely. This means the connection broker's scalability is not based on concurrent users.

### Virtualization Host

Propalms VDI is designed to work with multiple virtualization platforms offering a flexible management solution whether you need to integrate with your existing virtualization investment or are looking to create a desktop virtualization environment with new technology.

### Propalms VDI Management Console

The administration for Propalms VDI can be done using the centralized management console. Using the management console, administrators can schedule virtual desktop creation, assign desktops to users or groups, assign applications to desktops or to users, manage and monitor active users and perform virtual desktop management. Administrators can also monitor the application licensing usage and monitor the user's activity.

### Propalms VDI Desktop Agent

The agent is a set of Propalms tools installed inside each virtual machine providing information about the active user on the virtual machine. It also enables administrators to send control messages to the virtual desktops.

## SYSTEM REQUIREMENTS

### Virtualization Platforms

Parallels Virtuozzo Containers

KVM Linux hypervisor

VMware ESXi (Virtual Center/vCenter)

### Propalms VDI Connection Broker

Windows Server 2003 SP2 x86/x64, 2008 x86/x64, 2008 R2

1 GHz CPU, 1GB of RAM

2 GB or more hard disk space (for database and logs on database server)

Internet Information Services (IIS) with ASP.Net enabled

.NET Framework 3.5 SP1

Windows Installer 3.1

SQL Server 2000 / 2005 / 2008 or SQL Express 2005 / 2008

### Propalms VDI Management Console

Windows XP, Vista, 7, Windows Server 2003 / 2008 x86/x64, 2008 R2

1GB RAM, 100MB free disk space

.NET Framework 3.5 SP1

### Propalms VDI Access Points



Windows XP SP2, Windows Vista, Windows 7, Windows 2003 Server, Windows 2008 Server



Linux – Ubuntu, RHEL 5, Fedora



MAC OS X – Universal Binary

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