

HP Anyware virtual desktop infrastructure solution with HPE Morpheus VM Essentials Software

HPE

HP Anyware

(formerly known as Teradici, also referred to as Anyware in this document)

HPE Morpheus VM Essentials Software

(formerly known as Morpheus Data MVM, also referred to as VM Essentials in this document)

HP Anyware VDI with VM Essentials

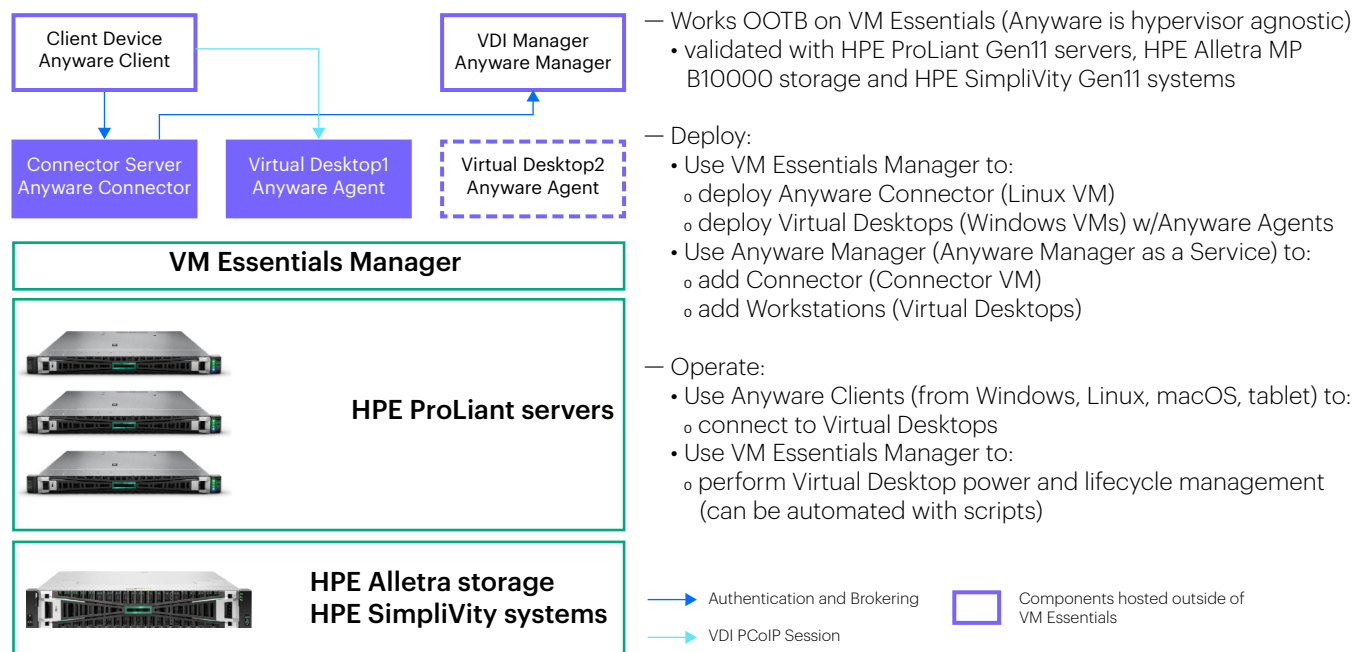


Figure 1. Architectural overview of HP Anyware VDI with VM Essentials

Customers are looking for virtual desktop infrastructure (VDI) solutions that enable IT to centralize desktop management, decoupling the user environment from physical hardware. It ensures consistent performance, reduces overhead costs, and fortifies data protection protocols—all while providing seamless access to applications and data across any device, anywhere.

HP Anyware is a VDI solution that enables secure remote access to data from any device, eliminating VPN challenges. It is built on **PCoIP**, a high-speed remote display protocol for transferring encrypted pixels.

VM Essentials is a virtualization solution that reduces the cost and complexity of virtualized workloads. It is built on kernel-based virtual machine (KVM), a virtualization solution for Linux®.

HP Anyware with VM Essentials is a powerful VDI solution for businesses to leverage a cost-effective and scalable hypervisor, enabling efficient resource allocation and enhanced accessibility.

Benefits of running HP Anyware VDI

Secure remote access: It leverages **PCoIP technology** to transmit only encrypted pixels—not data—over the network. This means sensitive information never leaves the data center or cloud, making it an ideal solution for industries with strict compliance requirements (government, defense, healthcare).

Cost efficiency: It extends the life of older devices by turning them into thin clients, thereby reducing endpoint hardware requirements, since most processing happens in the data center.

Flexibility across platforms: It supports **Windows, Linux, macOS**, and thin clients in hybrid environments—on-prem, cloud, or multicloud—without locking customers into a single vendor.

Benefits of running HPE Morpheus VM Essentials Software

Affordable virtualization: It provides a cost-effective entry point for virtualization compared to full VMware® or enterprise hypervisor stacks, making it ideal for businesses that need to consolidate workloads without overspending.

Simplified management: It reduces complexity for IT teams with limited resources or expertise and includes HPE virtualization tools that are easy to deploy and manage.

Optimized for HPE hardware: It helps ensure better performance, reliability, and support compared to generic solutions by tightly integrating with HPE servers and storage.

Solution deployment and operation

NOTE: The specific software versions used for the validation in this paper are listed in parentheses ().

HP Anyware includes a manager console that can be deployed on-prem with [Anyware Manager Enterprise](#), or using [Anyware Manager as a Service](#), which is what was used for the validation in this paper.

VM Essentials includes a manager console and hypervisor clusters (HVM) for running Linux and Windows Instances/VMs. VM Essentials can be deployed stand alone or as part of [HPE Private Cloud Business Edition](#). The same HVM technology is also available with [HPE Morpheus Enterprise Software](#).

Deployment tasks

- Use [VM Essentials Manager->Provisioning](#) to
 - Provision connector server (Rocky Linux 9 latest Instance/VM)
 - Provision virtual desktops (Windows 11 Pro Instances/VMs)

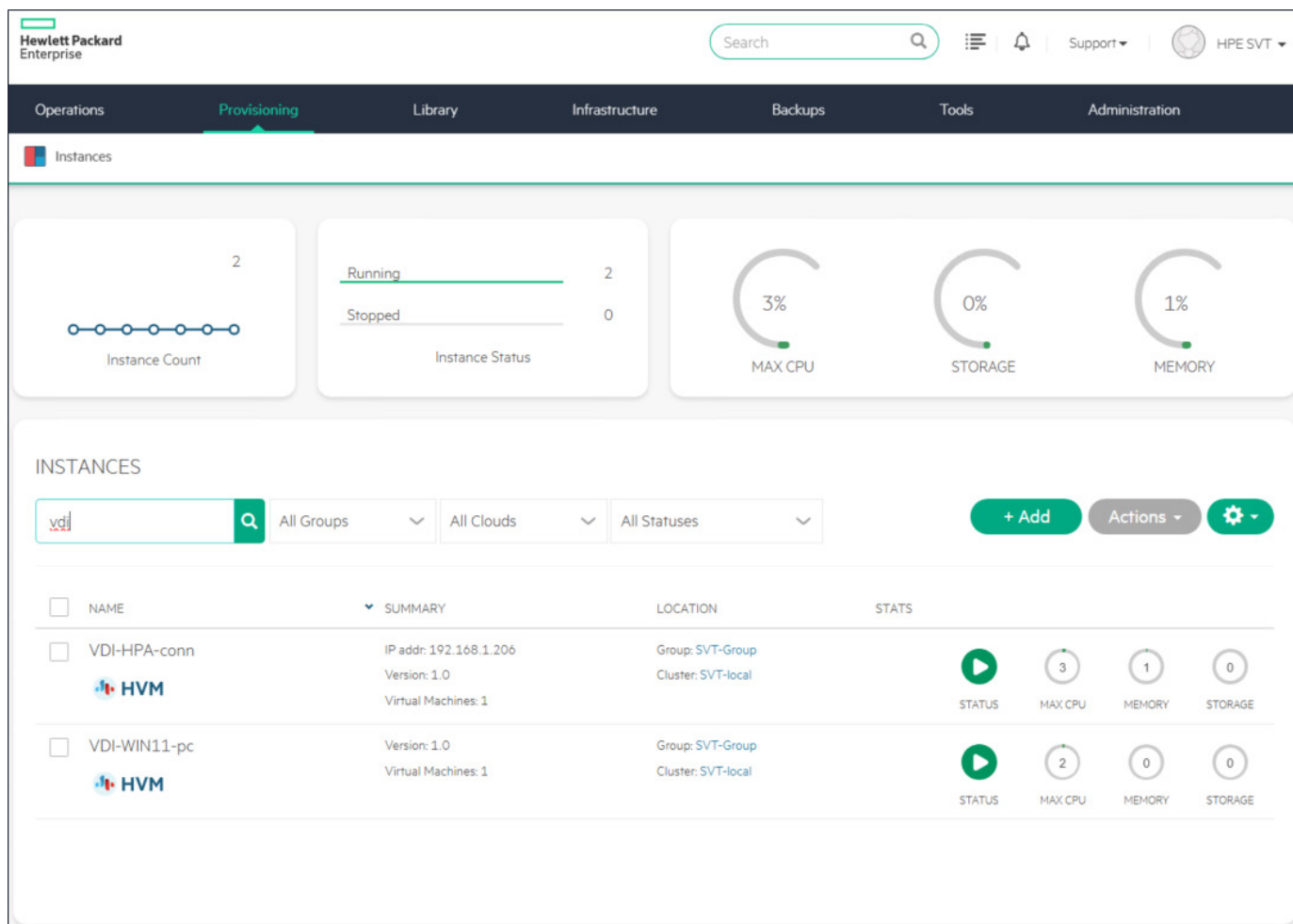


Figure 2. HP Anyware VDI with VM Essentials solution deployment and operation from the VM Essentials manager console

- Use [Anyware Manager](#) (Anyware Manager as a Service) to:
 - Add connector
 - Cut-n-paste install commands into Connector Server VM command prompt
 - Add your organization’s domain name and set up communication with Active Directory (AD/DNS) server through LDAP
 - Add workstations (virtual desktops)

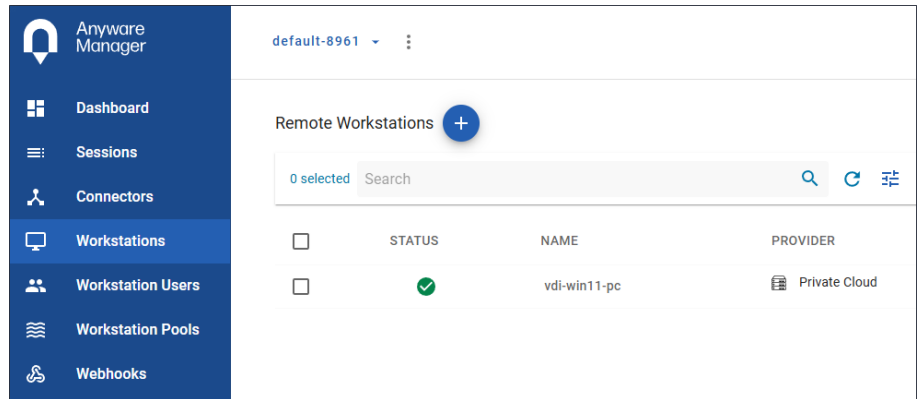


Figure 3. Addition of remote workstations from HP Anyware Manager console

Operation tasks

- Use [Anyware Client](#) (downloaded and installed on client devices) to:
 - Connect to workstations (virtual desktops) from client devices (Windows, Linux, MacOS PCs, tablets)

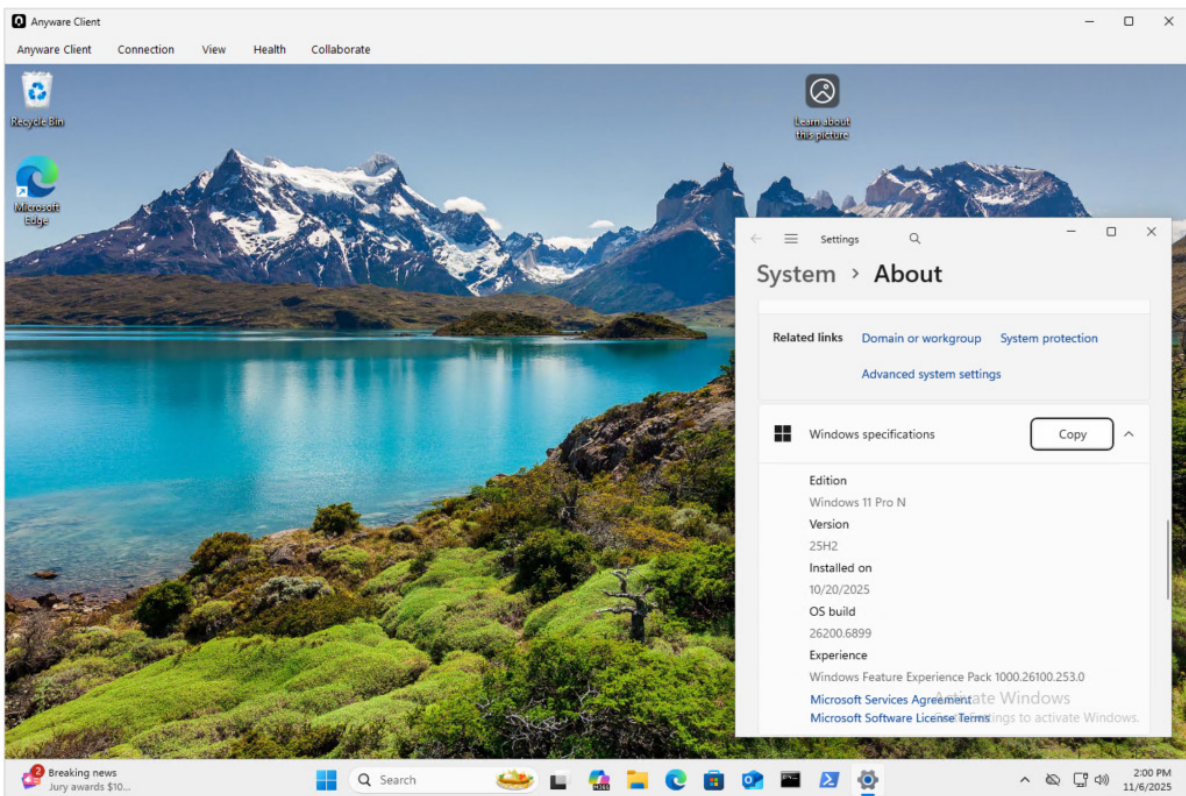


Figure 4. Connecting to workstations from client devices using HPE Anyware Client

— Use [VM Essentials Manager->Tasks](#) to:

- Automate virtual desktop power and lifecycle management, using PowerShell and Bash script

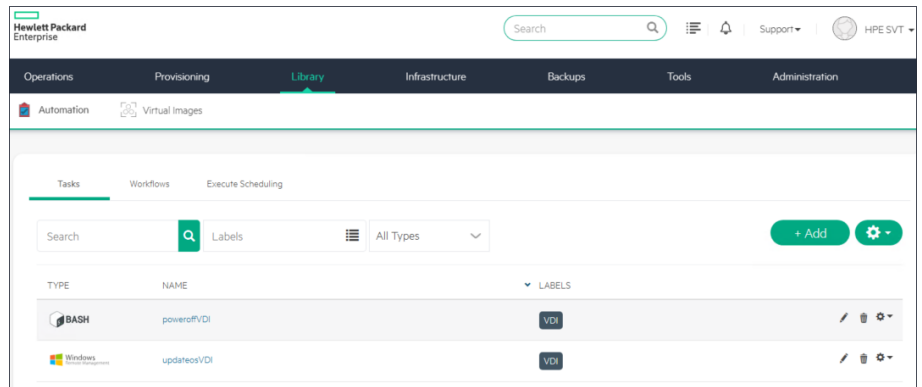


Figure 5. Automating virtual desktop power and lifecycle management from VM Essentials manager console

Summary

Customers are increasingly seeking VDI solutions that facilitate centralized desktop management while decoupling the user environment from physical hardware, thereby enhancing performance, reducing costs, and improving data security. HP Anyware is a notable VDI solution that offers secure remote access to data from any device without VPN complications, utilizing the PCoIP protocol for encrypted pixel transmission. Complementarily, VM Essentials serves as a cost-effective virtualization platform built on KVM for Linux, simplifying management for IT teams. The combination of HP Anyware and VM Essentials presents a powerful, scalable VDI solution that efficiently allocates resources while providing flexibility across various operating systems and environments. The deployment and operation tasks were demonstrated in this paper to facilitate deployment of this VDI solution, enabling customers to successfully reap full benefits of the solution.

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