VDI with UDS Enterprise and HPE Morpheus Essential

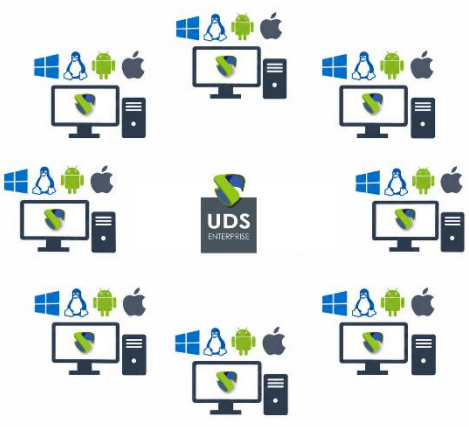
What is UDS Enterprise?

UDS Enterprise is a cross-platform connection broker for:

- VDI: Management and deployment of Windows and Linux virtual desktops
- Windows and Linux application virtualization
- Consolidation of desktop services
- Management of user access to IT resources in data centers or the cloud

UDS Enterprise is ideal for workplace management, as it enables you to:

- Manage the user workspace lifecycle
- Administer and manage Windows and Linux virtual desktops and applications, and IP services deployed across different platforms, from a single console
- Simultaneously connect users and user groups from different authentication systems to virtual desktops and various IP services
- Connect users to remote desktop services by enabling one or more connection protocols at the same time
- Define usage policies for deployed virtual desktops or other resources
- Deploy template-based virtual desktops
- Secure access over the WAN
- Remote access without client software
- Remote access through any web browser that supports HTML5



UDS Enterprise Features

- Unlimited configuration options through its add-on module management system and configuration variables defined at two levels:
  - System-level variables
  - Individual module-level variables
- Two-level virtual desktop caching system for fast connections
- Unlimited service management (HPE Morpheus VM Essential, Proxmox, HyperV, Azure, VMware vSphere, Nutanix AHV, OpenNebula, OpenStack, oVirt, Terminal Server...)
- Unlimited user and device authentication systems (Entra ID, Active Directory, eDirectory, LDAP Authenticator, SAML, internal authentication system, IP authentication, Radius, OAuth2...)
- System log and statistics viewer
- Simultaneous virtual desktop deployment across multiple hypervisors and datastores managed from a single UDS Enterprise broker
- Application session virtualization
- Highly scalable service deployment based on SOA architecture



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UDS Enterprise Architecture & HPE Morpheus VM Essential

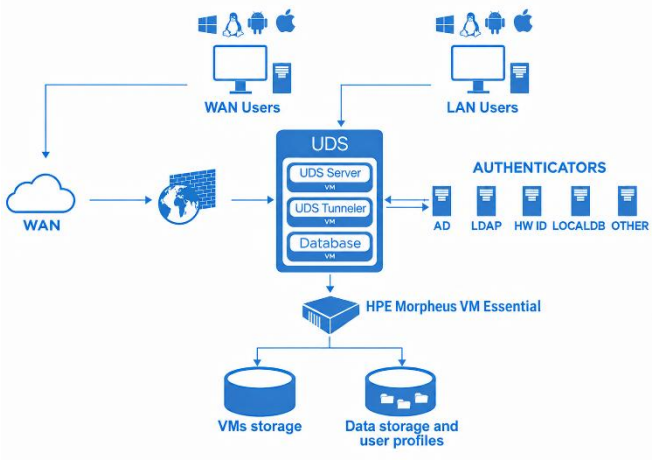
As UDS Enterprise components are provided as virtual appliances, integration with HPE Morpheus VM Essential is very easy and intuitive.

Using a simple procedure, UDS Enterprise components are hosted on the HPE Morpheus VM Essential platform on which the virtual desktops will be deployed.

Once the components are hosted, they must be interconnected with one another and with the HPE Morpheus VM Essential virtual platform.

After these initial steps, UDS Enterprise can administer and manage the virtual desktops deployed on HPE Morpheus VM Essential, making them available for users to connect to.

UDS Enterprise automates the user workspace lifecycle without requiring HPE Morpheus VM Essential Manager, making it a fully autonomous system.



UDS Enterprise Components

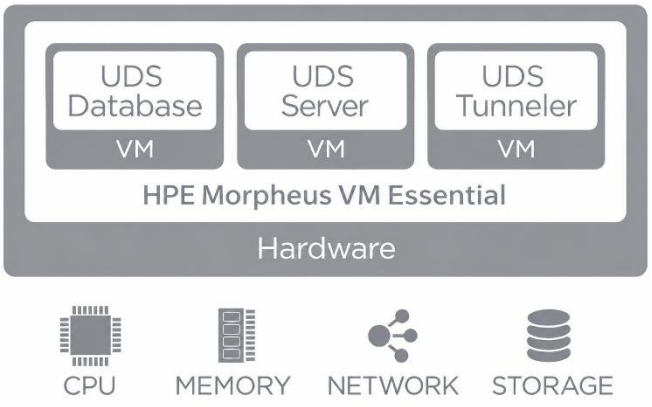
UDS Server (Broker). The software that mediates between connection clients and service providers. It is the core component of UDS, acting as the connection broker for desktop services and enabling administration and management of the platforms defined as implemented services.

UDS Tunneler. Software that provides secure connections to desktop services over the WAN and HTML5 access to virtual desktops.

UDS Database. Stores all UDS system data, such as service providers, authenticators, connectivity settings, and all the information needed to generate statistics.

UDS Actor. The software that handles communication and provides the interface for exchanging data (virtual desktop status, machine name, etc.) and commands between UDS Server and the desktop services managed by UDS.

UDS Client. The software that invokes the connection protocol to connect to virtual desktops and applications.



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A Winning Team

Integrating UDS Enterprise with HPE Morpheus VM Essential delivers a virtual desktop management and administration solution that is unique in the market.

The main features of a UDS Enterprise solution with HPE Morpheus VM Essential include:

- UDS Enterprise supports HPE Morpheus VM Essential proprietary differencing disk technology for deploying template-based virtual desktops, enabling significant disk space savings while ensuring efficient desktop management
- UDS Enterprise can deploy automatically generated machines on different networks available in HPE Morpheus VM Essential
- UDS Enterprise allows multiple HPE Morpheus VM Essential clusters to be managed from a single console
- UDS Enterprise enables the use of hardware resources that differ from those configured in the template machine
- Virtual desktop lifecycle management
- Automated deployment of virtual desktops, application servers and session servers on HPE Morpheus VM Essential
- Access to existing machines in HPE Morpheus VM Essential

All these features and compatibility options have been implemented so that they can be managed from UDS Enterprise without HPE intervention, resulting in considerable cost savings because no additional licenses need to be purchased.

UDS Enterprise with HPE Morpheus VM Essential is a robust, efficient solution for managing virtual desktop platforms, ideal for any environment while retaining all the features of the hypervisor chosen for the platform.

Smart Digital Workplace by Virtual Cable

About UDS Enterprise

UDS Enterprise is a new software concept for creating a **workspace virtualization** platform that is fully **customized**. It provides **secure 24/7 access**, from any **location** and **device**, to all the applications and software of an organization or educational institution.

It brings together in a single console the **virtualization** of **desktops** and **applications** for **Windows** and **Linux**, as well as **remote access** to Windows, Linux and macOS computers. Its open-source foundation guarantees **compatibility with any technology** from third parties. It can be deployed **on premises,** in a public, private or hybrid cloud, or in a **multicloud** environment. You can even **combine** multiple environments at the same time and use intelligent cloud **bursting** that is **automatic** to optimize performance and efficiency. All with a **single subscription**.

About Virtual Cable

Virtual Cable is a company specializing in the **digital transformation** of the **workplace**. The company develops, supports and markets UDS Enterprise. It has been recognized as an ***IDC Innovator in Virtual Client Computing*** worldwide. Its team of experts has designed solutions **for smart digital workplaces (VDI, vApp and remote access to physical computers)** tailored to **each sector** to provide a unique user experience fully adapted to the needs of each user profile. Virtual Cable professionals have **more than 30 years of experience** in IT and software development and more than 15 years in virtualization technologies. Every day, **millions of Windows and Linux virtual desktops are deployed with UDS Enterprise worldwide**.