



UDS Enterprise

VDI with UDS Enterprise & VMware vSphere

www.udsenderprise.com

About UDS Enterprise

UDS Enterprise is a multiplatform connection broker for:

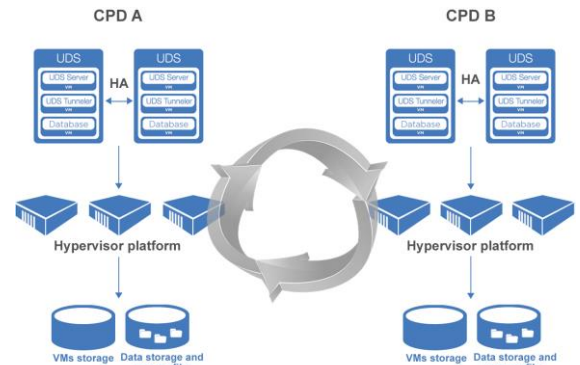
- VDI: Windows and Linux virtual desktops administration and deployment
- Windows and Linux app virtualization
- Desktop services consolidation
- Management of user access to IT resources in the Data Center or Cloud

UDS Enterprise is ideal for managing workstations because, among other functions, it allows you to perform the following tasks:

- Manage the life cycle of the user position
- Manage and manage virtual desktops, virtualized applications and IP services deployed on different platforms from a single console
- Connect users and user groups of different authentication systems at the same time with virtual desktops and different IP services
- Connect users with remote desktop services by enabling one or more connection protocols at the same time
- Define policies for the use of deployed virtual desktops or other resources
- Deploy template-based virtual desktops
- Secure access from WAN
- Remote access without the need for client software
- Remote access from any web browser that supports HTML5

UDS Enterprise functionalities

- Scalable platform. It supports configurations in high availability by deploying several UDS Enterprise brokers in cluster



- Unlimited number of configurations thanks to its additional module management system and the definition of configuration variables on two levels:
 - Definition of systematic configuration variables
 - Definition of independent module configuration variables
- Virtual desktop cache system in two levels for fast connection
- Management of unlimited services (VMware vSphere, Microsoft Hyper-V, Microsoft Azure, Nutanix Acropolis, OpenNebula, OpenStack, KVM, oVirt, Terminal Server, FTP, Remote File Storage ...)
- Unlimited user and device authentication systems (AD, Microsoft Azure Active Directory, eDirectory, LDAP, SAML, internal authentication system, authentication by IP, MAC)
- Log visualization system and system statistics
- Deployment of virtual desktops in multiple hypervisors at the same time and Datastores managed from a single UDS Enterprise broker
- Virtualization of application sessions
- Deployment of highly scalable services based on SOA architecture



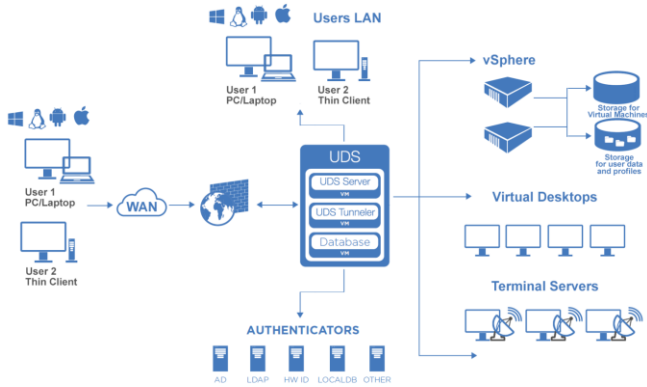
UDS Enterprise

VDI with UDS Enterprise & VMware vSphere

www.udsenderprise.com

UDS Enterprise & vSphere architecture

The process of integrating UDS Enterprise with VMware vSphere is a simple task since its components are offered in Virtual Appliance format.



The elements that make up UDS Enterprise are hosted on the same VMware vSphere platform on which the virtual desktops are to be deployed by very simple steps.

Once the initial steps have been completed, the UDS Enterprise components are interconnected to each other and are subsequently connected to the platform on which the virtual desktops are to be deployed.

At this time, we will obtain a robust and efficient virtual desktop platform that is prepared to administer and manage the virtual desktops deployed on VMware vSphere, with the virtual desktops now ready for users to connect.

UDS Enterprise automatically manages the user station lifecycle with VMware vSphere, becoming a completely autonomous system, adding unique functionalities to the inherent functionalities of the hypervisor platform.

UDS Enterprise components

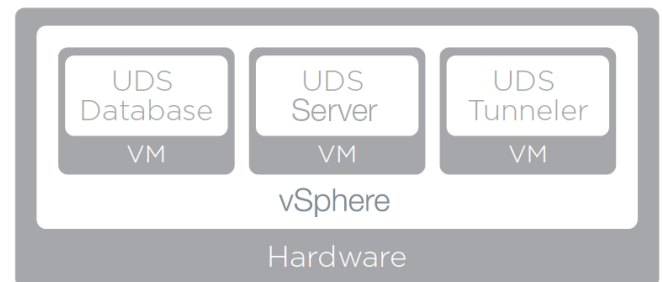
UDS Server (Broker). This is the software that mediates among connection clients and service providers. This is the basic element of UDS, as it performs the functions of connection broker to the desktop services and enables the administration and management of virtual desktop platforms defined as implemented services.

UDS Tunneler. Software that establishes secure connections to desktop services through WAN. It also provides HTML5 access to the services.

UDS Database. This component is responsible for storing all system UDS data, such as service providers, authenticators, connectivity... and all the information needed to generate statistics.

UDS Actor. This software performs the communication and interface functions for transmitting data (virtual desktop status, machine name...) and commands among the broker and the desktop services managed by UDS.

UDS Plugin. This software allows the connection to the connection protocol to run virtual desktops and applications.



CPU



MEMORY



NETWORK



STORAGE



UDS Enterprise

VDI with UDS Enterprise & VMware vSphere

www.udsenderprise.com

A robust and efficient solution

UDS Enterprise is capable of deploying virtual desktops on multiple hypervisors at the same time. Integrating with VMware vSphere achieves a virtual desktop management and administration solution unique on the market.

VMware vSphere's features and functionalities, together with those of UDS Enterprise, make up an extraordinary virtual desktop platform:

- UDS Enterprise allows you to deploy template-based virtual desktops thanks to its compatibility with VMware vSphere's proprietary Linked Clones technology. Thanks to this characteristic, a significant amount of space is saved on the hard drive and an efficient management of the desktops is achieved
- VMware vSphere has a unique memory management system which allows virtual desktops a memory savings ratio up to 40%
- Thanks to DRS technology (VMware Distributed Resource Scheduler), it is possible to add calculation and RAM memory capacities to the servers that make up a logical resource pool cluster and intelligently assign the available resources among the base virtual desktops to pre-established rules or regulations. VMware DRS dynamically balances VMware ESX/ESXi virtual desktops to another VMware ESX/ESXi server or servers to improve the response time of applications run on the virtual desktops. When a virtual desktop experiences an increase in resource usage, VMware DRS automatically assigns additional resources by redistributing other virtual machines among the physical servers that form the cluster
- Management of the virtual desktop lifecycle
- Management of virtual networks, permitting the deployment of virtual machines on different vSwitches and configuration of different network interfaces on the virtual desktops

All of these functionalities and compatibilities have been implemented to be managed from UDS Enterprise, without requiring admins to intervene or make actions on the VMware vCenter.

UDS Enterprise with VMware vSphere is a solution for the robust, efficient and ideal management of virtual desktop platforms for any type of environment, maintaining all of the characteristics of the hypervisor chosen for your platform.

About VirtualCable

VirtualCable develops, supports and sells UDS Enterprise through a subscription model, including product support and updates in segments based on number of users.

Additionally, VirtualCable offers professional services to install and configure UDS Enterprise.

For further information visit www.udsenderprise.com or email us at info@udsenderprise.com