What is UDS Enterprise?

UDS Enterprise is a multiplatform VDI connection broker for Windows and Linux. It manages virtual desktop lifecycle and access for virtual desktop platforms and physical resources in the Data Center or Cloud

UDS Technical Features

The main technical features of UDS software are the following:

▪ *Native Support for Windows and Linux desktops*. UDS supports connection to both Linux and Windows virtual desktops. It permits the following OS to be deployed:

Windows OS

- Windows 8
- Windows 7
- Windows XP
- Windows 2003
- Windows 2008

Linux OS

- Ubuntu
- Kubuntu
- Distributions based on Debian

▪ *Multi-hypervisor*. UDS is capable of managing and deploying VDI platforms or IP services on different hypervisors from a single console.

Supported hypervisors

- vSphere from version 4.x onwards
- KVM, via oVirt engine or RHEV
- Hyper-V 3.0*
- XenServer 6.0*

▪ *Multi-authenticator*. UDS allows you to assign virtual desktops to users from various sources and with an unlimited number of configurations.

Supported authentication systems

- Active Directory
- LDAP
- OpenLDAP
- eDirectory
- SAML
- CAS
- Internal authentication system
- Authentication system by device
- IP, MAC, Hostname…
- …

▪ *Creation of users, groups and meta-groups*. The meta-groups permit users who belong to several groups to connect to virtual desktops, providing the system with superior flexibility.

▪ *Multi-protocol*. UDS permits connection to virtual desktops or physical resources by using multiple protocols.

Supported protocols

- RDP
- RemoteFX
- RGS
- NX
- SPICE*
- …

Thanks to its development model, UDS allows to incorporate an unlimited number of authenticators and protocols.

Other UDS Technical Specifications

- *WAN Security Access SSL*. UDS facilitates secure connections to virtual desktops via tunneler, without requiring a heavy client, third-party products or product modules with additional costs.

- *User access from any web browser and OS*. Users access the service via connection plug-ins.

- *BYOD support.* Permits users to access from tablets and smartphones by RDP via HTML5.

- *Scalable platform*. UDS supports readily available configurations, permitting the deployment of several UDS brokers in a cluster.

HA
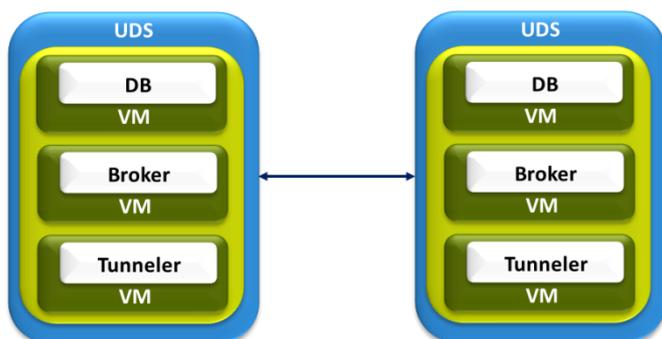
- *Two-tier virtual desktop cache system.* Optimizes access and allows a quick connection to the deployed services, thus improving access time and resource deployment.

- *Unlimited configuration possibilities. UDS allows the management of additional modules and the definition of configuration variables on two levels:*

    - Definition of systematic configuration variables.

    - Definition of independent module configuration variables.

- *Unlimited services management. UDS is prepared to manage services such as: Voice over IP, Cloud Services, IP Cameras, Terminal Servers, FTP, Remote File Storage...*

- *System for viewing logs and system statistics. UDS allows the administrators to view and monitor the services deployed.*

- *Deployment of virtual desktops on multiple storage systems. A single UDS broker allows the establishment of different locations for hosting the virtual desktops to be deployed.*
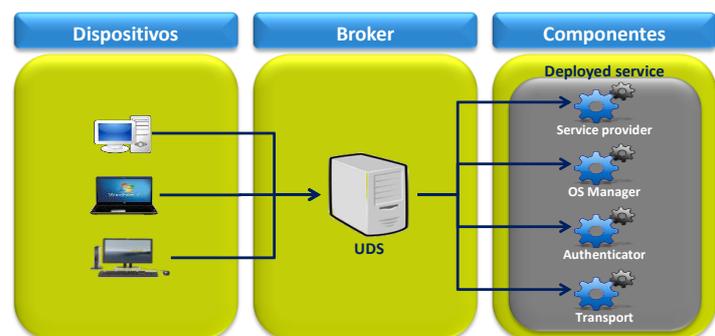
VDI architecture with UDS
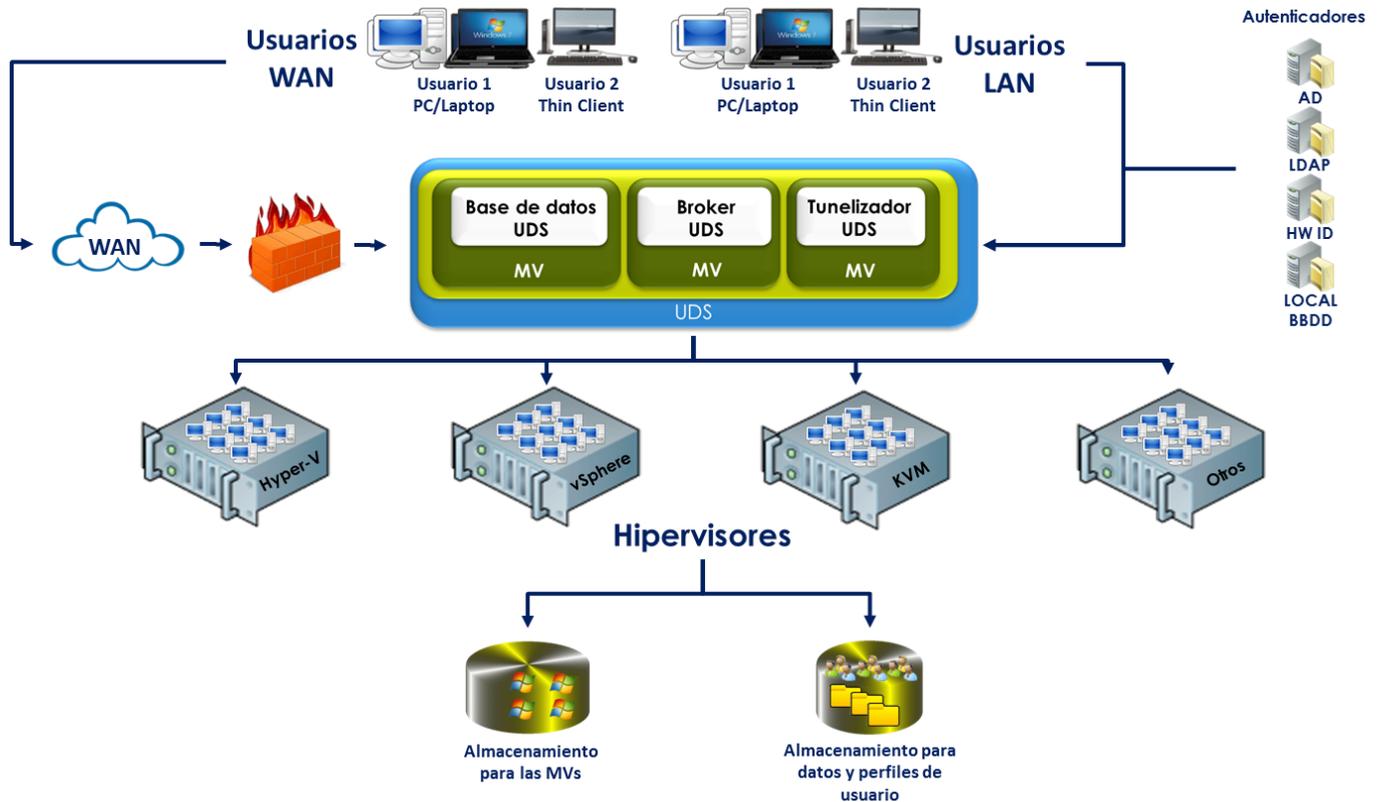
UDS Components

- *UDS Broker*. Connects users to service providers. It is the basic UDS component. It facilitates connections to desktops and allows the virtual desktop platforms, defined as deployed services, to be administered and managed.

Virtual Appliance with the following features:

- Virtual hard drive: 3 GB.
- Memory: 768 MB.
- CPU: 2 vCPU.
- Network: 1 vNIC.

- *UDS Tunneler*. In charge of making secure connections to virtual desktops through the WAN. It allows one to connect from any device/navigator/client to virtual desktops through an SSH tunnel without previously having any other type of software installed.

Virtual Appliance with the following features:

- Hard drive: 3 GB.
- Memory: 384 MB.
- CPU: 2 vCPU.
- Network: 1 vNIC.

UDS components (Cont.)

▪ *UDS Database.* Stores statistics, configuration data and UDS software statuses. MySQL is currently supported.

UDS Actor. Performs the communication and interface operations for transmitting data (virtual desktop status, machine name…) and commands between the broker and virtual desktops managed by UDS.
It is installed as a service in the virtual machine that is to be used as an image for the creation of virtual desktop groups based on templates.

Operating Systems:

- Windows 8
- Windows 7
- Windows XP
- Windows 2003
- Windows 2008
- Linux (distributions basades on Debian)

▪ *UDS Administration Client.* Responsible for providing access to the UDS administration and management interface.

Operating Systems:

- Windows 7
- Windows XP
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- Windows 2008
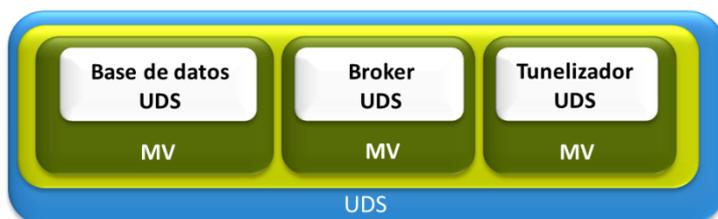
Professional support and services

VirtualCable commercializes UDS via a subscription model, including product support and updates by segment based on number of users.

VirtualCable also offers a broad portfolio of professional services in order to help our partners and clients with UDS installation processes and configuration as well as with virtualization projects with other platforms.

For more information, visit www.udsenterprise.com or contact us via email: sales@udsenterprise.com.