

What is UDS Enterprise?

UDS Enterprise is a highly recommended component if you want to design a robust and efficient virtual user station platform, as it guarantees operation of the desktop during its life cycle, and the administration and management of the platform itself. All of these processes are transparently automated by UDS Enterprise, integrating them with the platform from which the virtual desktops are deployed.

UDS Enterprise is a unique solution for managing work stations, as among other functionalities, it permits you to perform the following tasks:

- Guarantee operation of the user station during its entire life cycle.
- The administrator can manage virtual desktops and IP services deployed on different platforms from a single management point.
- It is possible to connect to users and user groups with virtual desktops and different IP services by using different authentication systems.
- Establish usage policies for deployed virtual desktops or other resources.
- Deploy template-based virtual desktops.
- Provide secure access from WAN.
- Provide remote access without requiring client software.

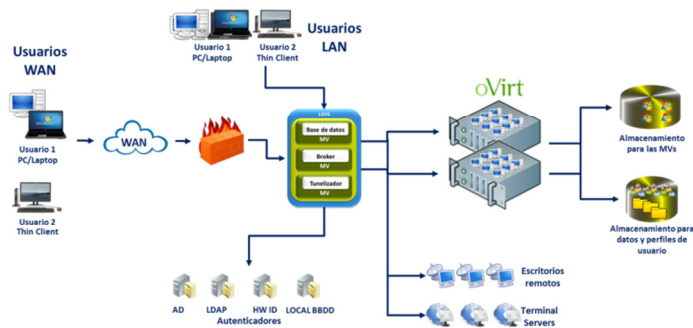
UDS Enterprise Functionalities

- Scalable platform supports readily available configurations by deploying several UDS brokers in a cluster.
- Possibility of a practically 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.
- Two-tier virtual desktop cache system for a quick connection thereto.
- Unlimited services management (Hyper-V, VMWare, KVM, oVirt, Terminal Server, FTP, Remote File Storage,...)



- Unlimited user and device authentication systems (AD, eDirectory, LDAP, SAML, internal authentication system, authentication by IP, MAC).
- System for viewing logs and statistics system.
- Virtual desktop deployment in multiple hypervisors and Data Stores managed from a single UDS broker.
- Deployment of very scalable services based on SOA architecture.

UDS Enterprise / OVirt Architecture



Integrating UDS Enterprise with OVirt is carried out via a series of simple steps, since the different components are offered in a Virtual Appliance format.

Through these very intuitive instructions, the UDS Enterprise components are hosted on the OVirt platform on which the virtual desktops are going to be deployed.

Having completed the hosting phase and following a simple configuration process, the UDS Enterprise components go from being independent elements to forming a user station management platform, integrating themselves with the oVirt platform on which the virtual desktops are to be deployed.

Once the previous phases have been completed, we find ourselves with a robust and efficient virtual desktop platform that is prepared to administer and manage the virtual desktops deployed on OVirt, with the virtual desktops now ready for users to connect to them.

UDS Enterprise Components

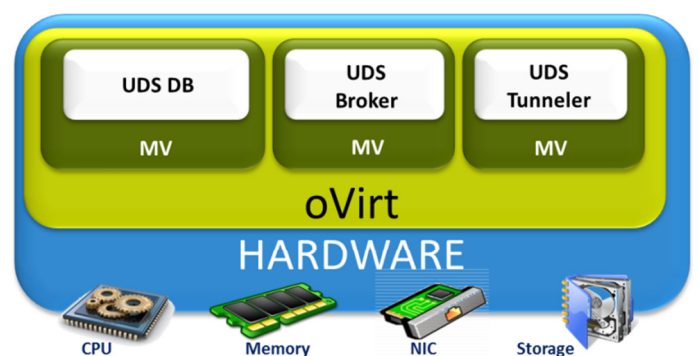
UDS Enterprise Broker. This is the main component of UDS Enterprise. Among its most important functions is the administration and management of virtual desktop platforms and connection to these platforms by users and user groups.

UDS Enterprise Tunneler. Permits the users to make a secure connection to their virtual desktops through the WAN from any device.

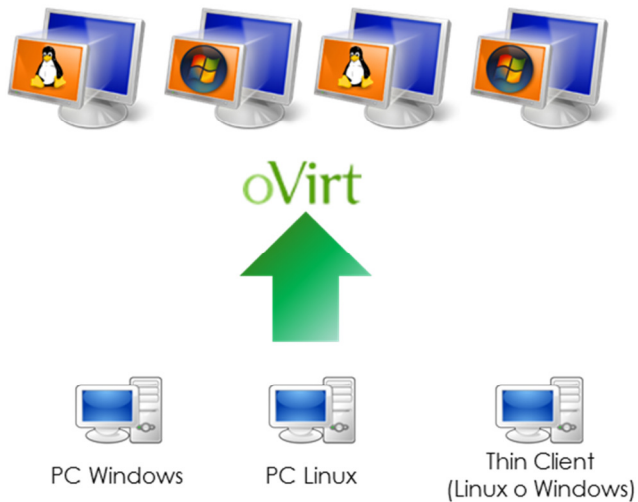
UDS Enterprise Database. Stores statistics, configuration data and UDS software statuses.

UDS Enterprise Actor. Performs the communication and interface functions for transmitting data (virtual desktop state, machine name,...) and commands between the broker and the virtual desktops managed by UDS.

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



Complete Open Source Solution



By integrating with oVirt, a completely open source virtual desktop management and administration solution is achieved.

The oVirt / UDS Enterprise solution incorporates a series of characteristics and functionalities that make up a unique virtual desktop platform:

- UDS Enterprise uses differential disk technology to deploy template-based virtual desktops. Using these types of disks in the virtual desktops guarantees a better management of the virtual desktops, since the modifications and updates will be made to the base template. At the same time, storage space is saved because only the changes made to the base template are saved in the differential disks.
- Using oVirt helps you achieve a greater concentration of virtual desktops when compared to other hypervisors, thanks to its resource management and optimization.
- oVirt uses memory management technology, "memory overcommitment," allowing for the assignment of more virtual memory to the virtual desktops than the physical server actually has available.

- Load balancing, using the different physical servers of the platform according to different resource usage criteria.
- oVirt permits the usage of local server hard drives that make up the virtual platform as a single shared storage, which results in a cost savings regarding storage.
- Management of the virtual desktop life cycle.
- Virtual network management, permitting the deployment of virtual machines on different vSwitches, and the configuration of different network interfaces on the virtual desktops.
- The SPICE connection protocol helps achieve an extraordinary user and multimedia experience with low consumption of bandwidth.
- The platform purchasing costs are drastically reduced, as they are substituted by maintenance and support costs.

UDS Enterprise with oVirt is a reliable, efficient and low-cost solution for managing virtual desktop platforms for any type of environment, maintaining all of the characteristics of the hypervisor chosen for your platform.

Professional support and services

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

Additionally, Virtual Cable offers a broad portfolio of professional services in order to help our partners and clients with UDS Enterprise installation processes and configuration as well as virtualization processes with other platforms.

For more information, visit www.udsenderprise.com or contact us directly via email at sales@udsenderprise.com.