



VDI Boot Camp

Next, we will define and explain in a simple way what minimum components, both hardware and software, are necessary for the implementation of a virtual desktop infrastructure (VDI). This document is based on a "Hosted Desktops" solution.

Hardware components

Server Infrastructure. It consists of the necessary servers with enough processing and physical memory capacity for hosting the hypervisor layer, which will assign the necessary hardware resources to the virtual desktops.

Network electronics. This will allow for interconnection between the different platform components. Network architecture for a VDI platform can be very complex, so it's essential that these components are of the highest quality.

Storage infrastructure. Formed by the necessary hard drive array or arrays, with enough capacity and disk access speed for hosting both the virtual desktops deployed and the data, shared or not, of the virtual desktops deployed.

Client devices. The devices that will be used to connect to the virtual desktops. Generally, you will define whether they are physical computers, laptops, thin clients, zero clients or even mobile devices.

Software components

The following components are necessary for implementing a VDI platform:

Hypervisor software. The software that is installed on the server infrastructure and which is responsible for assigning memory, processing, network, and disk resources to the virtual machines hosted on the platform.

Virtual image machine or golden image. Virtual machine with the necessary OS and applications installed in order to perform a subsequent deployment of the virtual desktops based on this image.

Connection broker. The software responsible for managing connections, virtual desktop pools, virtual desktop lifecycles and virtual desktop behavior. It also allows for the assignment of additional resources to the platform, such as storage, FTP services, accesses or security. In general, it is supplied as a virtual appliance hosted on the hypervisor, with some external component for administering and occasionally with a software for the client device.

Client device operating system. The OS used by client devices on which the connection request to the assigned virtual desktop will be made. It must be compatible with the installed platform and it is recommended that it is easy to modify for platform adjustment or performance improvement.

UDS Enterprise solution

Looking to equip these types of environments with the most innovative and flexible solution, one that will also permit cost optimization and allow for updated technologies, the UDS Enterprise development team has come up with a multi-platform solution that consists of a connection broker with the following features:

Multi-hypervisor. Compatible with the different hypervisor platforms existing on the market. It allows connection on several hypervisors at the same time, including those from different manufacturers, permitting optimization of costs and of the performance of the services deployed.





UDS Enterprise

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www.udsenderprise.com

Compatible with Windows and Linux environments.

Multi-protocol. Supports different connection protocols, which can be enabled at the same time, allowing optimized connections according to each user profile.

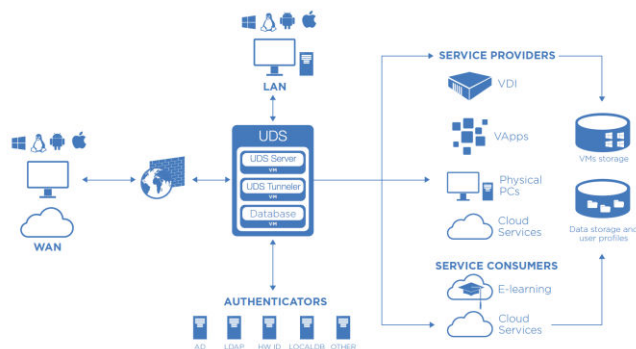
Multi-authenticator. Permits the use of different authentication systems at the same time, allowing each company to keep its own systems without having to adapt or change them.

Multi-service. In addition to deploying virtual desktops, UDS Enterprise is capable of managing connections to servers, virtualized applications or IP services that require organized management.

Incorporated security. UDS Enterprise incorporates its own SSH tunneler for a secure client - server connection, avoiding the need for additional third-party hardware or software.

Unlimited growth capacity in functionalities (the roadmap is dynamic and based on current client, partners and community requests), supported technologies and number of users.

Below, you can see the topology of a **VDI platform with UDS Enterprise:**



Who is UDS Enterprise for?

- Any private or public business with interest in VDI and technical and human resource optimization
- IT departments that need to cleanly and quickly create and destroy desktops. For example, educational organizations, call centers, developmental environments or research centers
- Organizations with remote workers that are concerned with the security of its connections
- Organizations with different authentication systems that are considering choosing between individual or unified (single sign-on) authentication
- Organizations with different Windows and Linux OS to virtualize
- Organizations with specific characteristics in their systems that have not found their ideal VDI platform so far
- In short, any business or corporation that hopes to approach an open desktop virtualization project with growth guarantees, not linked to a single manufacturer and maintaining platform cost control

Support and professional services

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

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

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