UDS Enterprise

Functionalities

UDS Enterprise

Functionalities

Introduction

UDS Enterprise is a multiplatform connection broker for:

- VDI: Administration and deployment of Windows and Linux virtual desktops
- vApp: Virtualization of Windows and Linux applications
- Desktop services consolidation
- Remote access to physical or virtual devices

In short, UDS Enterprise manages user access to IT resources in Data Center or Cloud.

UDS Enterprise features

Below you'll find the main features and supported technologies by UDS Enterprise:

Hypervisor Platforms and Service Providers

Multiplatform support, being able to configure several hypervisor platforms and service providers at the same time.

These are the platforms concurrently supported:

- VMware vSphere
- Amazon AWS
- Microsoft Hyper-V
- Nutanix Acropolis
- Prism Central Platform
- Proxmox
- OpenGnsys
- OpenNebula and its derivatives
    - NodeWeaver
    - SharkDC
- OpenStack
- oVirt
- Red Hat Enterprise Virtualization
- XenServer and its derivatives
    - XCP-ng
- Microsoft Azure
- VMware Cloud Director (vCloud)
- Connection to static machines both physical and virtual (including Terminal Service)

Authenticators

Multi-authenticator support, being able to configure several authenticators for the users at the same time:

The authenticators concurrently supported are:

- Active Directory
    - NT Version
    - Windows 2000 and later
- eDirectory (Novell Directory Services - NDS)
- Azure AD
- Radius
- LDAP (any version)
- SAML V2 configurable by the user
- By IP address of connection device
- Database integrated in UDS, to be used when no external authenticator is available

Services

Multiservice support, being able to configure both desktop virtualization and application virtualization.

The services concurrently supported are:

- VDI – Desktop Virtualization*
  - Windows
    - With user-defined password (WorkGroup)
    - With machine account in domain (Active Directory)
    - Windows desktops with random password
  - Linux
    - With user-defined password
    - Linux desktopss with random password

- vApp – Application Virtualization
  - Microsoft Windows Applications
    - With Microsoft Windows client
    - With Linux client

  - Linux applications
    - With Microsoft Windows client
    - With Linux client

(*) Possibility of implementing both Windows and Linux persistent and non-persistent desktops

Connection protocols

Multi-connection protocol support, being able to configure several protocols at the same time and defining the device for which it will be available through the operating system or the physical address of the machine from which the connection is made.

These are the protocols supported concurrently depending on the type of service:

- VDI – Desktop Virtualization
  - Windows
    - HTML5
    - PCoIP
    - RDP
    - Spice
    - Nice DCV
  - Linux
    - HTML5
    - PCoIP
    - RDP
    - Spice
    - X2Go
    - NoMachine

- vApp – Application Virtualization
  - Windows
    - HTML5
    - RDS
  - Linux
    - X2Go

All protocols can be accessed from the WAN or LAN.

A method of automatic detection of source networks is incorporated to filter access to protocols based on the address of the device from which the connection is made.

Devices

Connection can be made from multiple low cost devices, thanks to the implementation of the connector on platforms such as:

- Obsolete or recycled equipment
- Thin Client
- Zero Client
- Raspberry PI
- Chromebooks
- etc

Access from almost any device with web browser through HTML5 connector.

Connection can also be made from Linux and their derivatives (*)

- Ubuntu
- Debian
- Fedora
- CentOS
- Red Hat
- OpenSuse
- etc

(*) Python 2.7 dependencies

Windows server and Windows desktops can be used as OS connection clients and/or VDI.

Other features

Full and automatic management of the life cycle of the service through the use of several levels of cache for efficient use of all the available resources.

Multi-language: English, Spanish, French, Italian, German, Portuguese, Russian, Chinese, Euskera, Catalan and Arabic.

Tasks scheduling.

Access to services based on calendars.

Generation of reports on the use of the platform.

WAN connections are secured through SSL tunnelers.

Possibility of implementing corporate certificates for greater securization of connections.

Allows changing the ownership of a VDI service already assigned to a user.

Allows selective assignment of users to static machines (physical or virtual).

Control of user sessions on static machines (physical or virtual).

Compatible with databases based on MySQL.

All the components (Tunnel, Broker and Dbserver) can be deployed in high availability using balancers or clusters.

The components are provided as pre-configured machines based on Linux Debian.

Very easy deployment, administration and use.

A UDS platform can be deployed in a few minutes.

The resources required by the UDS Enterprise components are minimal, both in disk space, memory and processor.

Easy update of the environment.

Integration with Moodle e-Learning platform.

Integration with OpenGnsys.

Open Source based, which allows easy integration with third-party software.

The access portal and service panel can be customized according to the corporate image.

Desktops and applications can be grouped, by creating service groups.

The images and icons used for identifying the available services can be fully customized

Unique access services can be created combining services from different virtualization platforms.

About Virtual Cable

Virtual Cable develops, supports and commercializes UDS Enterprise through a subscription system based on the number of users, including support and software updates.

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

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