



UDS Enterprise 4.0 Functionalities



#SmartDigitalWorkplace
VIRTUAL CABLE

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Introduction

UDS Enterprise is a cross-platform connection broker for:

- VDI: Manage and deploy Windows and Linux virtual desktops
- Windows and Linux Application Virtualization
- Consolidation of desktop services
- Remote access to physical or virtual computers

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

UDS Enterprise Features

Below are the main features of UDS Enterprise and the supported technologies:

Hypervisor Platforms and Service Providers

Multi-platform support, being able to configure several of the hypervisor and service provider platforms at the same time.

These are the concurrently supported platforms:

- VMware vSphere
- Amazon AWS
- Microsoft Hyper-V
- Nutanix Acropolis
- Prism CentralPlatform
- Scale Computing
- Proxmox
- OpenGnsys
- OpenNebula and its derivatives
- NodeWeaver
 - SharkDC
 - OpenStack
- oVirt
- Red Hat Enterprise Virtualization
- XenServer and its derivatives
 - XCP-ng
- Microsoft Azure
- Google Cloud
- Huawei Cloud
- VMware Cloud Director (vCloud)
- Connecting to static machines: physical and virtual (including Terminal Service)

Authenticators

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

Concurrently supported authenticators are:

- Active Directory
 - NT Version
 - Windows 2000 and later
- eDirectory (Novell Directory Services - NDS)
- Azure AD
- OAuth2 Authenticator
- RADIUS
- LDAP in any of its versions
- User-configurable SAML V2
- By IP address of connecting device
- Database integrated in UDS, for when no external authenticator is available

Services

Multi-service support, being able to configure both desktop virtualization and application virtualization at the same time.

These are the concurrently supported services and their type:

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

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

(*) Ability to deploy persistent and non-persistent desktops for both Windows and Linux

Connection protocols

Multiprotocol connection 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 the moment the connection is made.

These are the protocols supported concurrently depending on the service and its typology:

- 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 accessible from a WAN or a LAN.

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

Devices

Access from almost any browser device via HTML5 connector.

Ability to connect 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

Ability to connect from Linux platforms and its derivatives(*)

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

(*) Python 3.9 dependencies

Possibility of using Windows Server and Windows Desktop as client and/or VDI operating systems.

Other features

Complete and automatic management of the service lifecycle by utilizing multiple cache levels for efficient use of available resources.

Multilanguage: English, Spanish, French, Italian, German, Portuguese, Russian, Chinese, Basque, Catalan and Arabic.

Task scheduling.

Calendar-based access to services.

Generation of reports on the use of the platform.

WAN connections are secured using SSL tunnels.

Possibility of implementing corporate certificates for greater security of connections.

Allows the change of user assignment of a service

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

User session control on static machines (physical or virtual)

Compatible with MySQL-based databases.

All elements (Tunneler, Broker and Observer) can be mounted in high availability by using balancers or clusters.

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

Easy to deploy, manage and use.

Deploying a UDS platform is a matter of a few minutes.

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

Easy environment upgrade.

Integration with e-Learning systems (e.g. Moodle).

Open Source base, which enables easy integration with third-party software.

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

Desktops and apps can be grouped together, by creating service groups.

The images, icons, that identify the available services are fully modifiable.

Unfolded authentication and native Multi-Factor Authentication (MFA) support with mail, SMS, TOTP, and Radius tokens.

VIRTUAL CABLE'S SMART DIGITAL WORKPLACE SOLUTION

About UDS Enterprise

[UDS Enterprise](#) is a new software concept to create a **fully** customized **workplace virtualization** platform. It provides **24x7 secure access**, from anywhere and on any **device** to all the applications and software of an organization or educational center.

It allows virtualization **of Windows** and **Linux** desktops **and** applications **in a single console**, as well as **remote access** to Windows, Linux and macOS computers. Its Open Source base guarantees **compatibility with any** third-party technology. It can be deployed **on-premise**, in public, private, hybrid or **multicloud** cloud. Even **combine** multiple environments at the same time and perform **automatic, intelligent overflows** to optimize performance and efficiency. All with a **single subscription**.

About Virtual Cable

[Virtual Cable](#) is a company specialized in the **digital transformation** of the **workplace**. The company develops, supports and markets UDS Enterprise. It has recently been recognized as an **IDC Innovator in Virtual Client Computing** worldwide. Its team of experts has designed **smart digital workplace solutions (VDI, vApp and remote access to physical computers)** tailored to **each sector** to provide a unique user experience fully adapted to the needs of each user profile. Virtual Cable's professionals have **more than 30 years of experience** in IT and software development and more than 15 years in virtualization technologies. Every day, **millions of Windows and Linux virtual desktops are deployed with UDS Enterprise around the world**.