



VIRTUAL  
CABLE

# UDS Cloud on Azure: Advantages

**UDS**  
CLOUD  
Azure



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## INTRODUCTION

### Challenges of desktop virtualization on Azure

**Desktop virtualization** on Microsoft **Azure** can be a **difficult** task, especially for organizations with high employee turnover or environments where a large number of desktops are needed. VDI deployments in Azure are done manually, making IT administrators' work time-consuming and complex. In general, **the lack of automation** is a significant handicap when **managing virtual desktop** infrastructures with Azure, which require **countless manual configurations** for such common tasks as obtaining a generic access URL for the services that we want to deliver to users.

### The most efficient and secure response: UDS Cloud on Azure

**UDS Cloud on Azure** provides high levels of **automation** to all the processes involved in the **configuration**, start-up, and **maintenance** of a VDI platform with Azure. The tasks of **creating and deleting** machines become a simple task. By applying the parameters on a single template, the system automatically replicates them in all the virtual desktops, which can be Windows or Linux. An unlimited number of desktops can be deployed with a single click, and are immediately available to users, removing downtime. Access is easy and intuitive; through a **personalized web** address, which is instantly generated by the system, users obtain access to their virtual desktops.

### Certified software available on the Azure Marketplace

After passing all the official compatibility tests established by Microsoft, **UDS Cloud on Azure** is **certified** as an Azure **compatible** and 100% reliable VDI software to create virtual desktop deployments on the Microsoft cloud platform. In addition, it is available within the software catalog published in the **Azure Marketplace**.

## ADVANTAGES OF UDS CLOUD ON AZURE

### 1. Make virtual desktop deployments as simple as possible

One of the most expensive VDI operations to perform in Azure is made **as simple as possible** thanks to [UDS Cloud on Azure](#). The software components will be hosted on **Azure Marketplace**, so it will only be necessary to download and configure three virtual appliances following a few **simple steps**. Having a template configured on Azure, it is possible to start **deploying machines automatically**, managing their life cycle: creation, modification, connection, disconnection, and subsequent elimination. At that very moment, access to them is provided, which makes it possible to have a fully **operational VDI platform in record time**.

### 2. Unprecedented automation

All **deployment and management** tasks required on a VDI platform with Azure are **fully automated** with the addition of [UDS Cloud on Azure](#) as the cornerstone of the infrastructure. In this way, greater **agility** is achieved in the **management** and **delivery** of virtual desktops. It is possible to deploy as many virtual desktops as needed, without influencing the number in the optimal performance and **speed** of the system.



## 3. Calendars and task scheduling

UDS Cloud on Azure incorporates **an advanced calendar and scheduling system** with which it is possible to **automate** a considerable number of important tasks. Among them, the virtual desktop **cache** values can be **adjusted**, dynamically creating and deleting machines according to the access demands from users that the platform receives in real time. In this way, we can configure the system to have on our platform **only the machines that are needed** at any given time, optimizing consumption, avoiding stressing the platform and obtaining significant **cost savings**.

In addition, user access to the platform can be **limited** by **time slots**, which allows resources to be used in a much more efficient way.

## 4. Advanced security

Security is another aspect that can be significantly improved with [UDS Cloud on Azure](#). It integrates **multi-factor authentication** (MFA) and **Zero Trust** configurations natively, and all its components use **high-grade encrypted connections** to secure user access and interactions with services. The system applies automatic checks, incorporates advanced mechanisms that **prevent impersonation**, has network filtering, **user blocking** policies, **split authentication methods** and logs to **monitor** the behavior of users and administrators. In the event of a security breach, the threat can be easily isolated and eliminated... in short, it has all the necessary mechanisms to **guarantee the security** of the platform and the data it contains, helping to comply with the **highest security standards**.

## 5. Multiple authentication systems

UDS Cloud on Azure supports **multiple authentication systems simultaneously**. Among them, it natively integrates the **Azure AD Authenticator**, providing administrators with the option of directly validating users or user groups that are registered in Azure, so that they can access their virtual desktops through [UDS Cloud on Azure](#). Thanks to this functionality, if a user has an **Office 365** account and logs in with Azure AD, they will be able to **use their account and the entire Microsoft application** without having to authenticate a second time. For example, you'll be able to open Teams without re-entering your credentials to hold your video meetings.

As an added value, [UDS Cloud on Azure](#) also allows the use of **federated systems with MFA**, both internal and external, which provide the platform with greater access security.

## 6. Protection for Office 365 and optimization for Teams

In addition to **Single Sign-On** with Office 365 thanks to native Microsoft authenticator support, [UDS Cloud on Azure](#) adds an important extra layer of **access security** to this cloud computing suite, giving full control back to IT administrators. It **encrypts end-to-end connections** and allows setting security policies and least privileges tailored to each organization. All WAN connections are secured through **SSL tunnels** and support the use of corporate certificates.

[UDS Cloud on Azure](#) is perfectly **optimized** for conducting audio and **video conferences** with Teams, guaranteeing the best user experience in online meetings.

## 7. The best performance for each user profile

To meet the performance needs of each user profile within an organization, [UDS Cloud on Azure](#) supports a **wide range of connection protocols**, being able to enable all that the IT administrator considers appropriate **simultaneously**. In this way, depending on the type of work you do, the tools you use, the device from which you connect or the network from which the connection is made, you can use the protocol that provides the user with the **best performance**.

Additionally, [UDS Cloud on Azure](#) supports **high-performance connection protocols**. Thanks to this functionality, it is possible to offer the best experience to those users who require the use of virtual **GPU, VoIP** or have special needs due to the type of work they do, such as the use of **3D graphics** or the reproduction and editing of **audio and video**.



## 8. Meta Pools: Combine several Azure environments on one platform

Meta Pools is an innovative feature that allows you to **combine multiple Azure environments** as if they were one, fully configurable. This functionality facilitates the **efficient management of workloads**, uniting the resources of several platforms to, for example, **manage overflows** from one platform to another once the maximum contracted capacity of an Azure plan is reached. The administrator can establish that once the resources of an Azure environment are finished, the system begins to assign virtual desktops hosted on another. If we also add the possibility **of programming the automatic shutdown** of the machines when they are not in use, we add another advantage in terms of **cost savings**. This capability is **completely transparent to the user**, who receives his virtual desktop without downtime.

## 9. Flexibility and freedom to build a customized platform

In the same way as the entire family of VDI solutions based on UDS Enterprise, [UDS Cloud on Azure](#) is an **open system**, based on **Open Source**. This feature makes it **compatible with any technology**, offering the **freedom** to choose each of the components that make up the platform. IT administrators can create a fully customized infrastructure quickly, **simply, and easily**, which can be **centrally managed**, from a single console accessible through a web browser.

## 10. Secure bring your own device (BYOD)

With [UDS Cloud on Azure](#), users can **use any device**, be it personal or corporate, to access their virtual desktops with total **security**. PCs, laptops, mobile devices, thin clients... any type of terminal with a **web browser** that supports HTML5 is compatible with this VDI system. Equipment of **any range** can be used, even with minimal resources, allowing the **reuse** of obsolete computers or the acquisition of low-cost low-power devices, favoring **cost savings** not only due to the limited investment in hardware, but also due to **low energetic consumption**.

## 11. A subscription model with no hidden costs

The marketing model of [UDS Cloud on Azure](#), based on a **subscription** system, allows you to better **manage budgets** and control the exact spending of IT departments. With this software, we will be able to deploy **as many appliances as we need** in our cloud without incurring an increase in costs. This will allow us, for example, to provide the system with high availability (HA). All components can be deployed in HA to **ensure seamless service** and best performance for users at no extra cost.

This advantage, together with the **pay-per-use** model offered by cloud platforms, makes it possible to manage the cost of the infrastructure as tightly as possible.





## UDS ENTERPRISE, VIRTUAL CABLE'S VDI SOFTWARE

### UDS Enterprise: The matrix VDI technology of UDS Cloud on AWS

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

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

### About Virtual Cable

[Virtual Cable](#) is a company specializing in the **digital transformation of the workplace**. The firm develops, supports and markets UDS Enterprise. Its team of experts has designed **VDI** solutions tailored to **each sector** to provide a unique user experience fully adapted to the needs of each user profile. Virtual Cable professionals have more than **30 years of expertise** in IT and software development and more than 15 in virtualization technologies. Everyday **millions of Windows and Linux virtual desktops are deployed with UDS Enterprise worldwide**.