

# PoC - Cloud Desktop Virtualization

Windows Virtual Desktop





## Context

The implementation of a desktop and application virtualization project consists of using Microsoft Azure cloud technology that simulates a workstation with the necessary operating system, in this proposal Windows 10 or Windows Server, to which Go To Cloud, provides you with the necessary consulting to implement the required proof of concept.

## General Objective

Implement a proof of concept of Windows Virtual Desktop on the Azure cloud platform, with the necessary customer applications and restrictions, described in the scope.



# Windows Virtual Desktop

With Windows Virtual Desktop, you can configure a flexible and scalable environment:

- Create a complete desktop virtualization environment in your Azure subscription without having to run any additional gateway servers.
- Publish as many host groups as you need to accommodate various workloads.
- Contribute your own image for test or production workloads from the Azure Gallery.
- Reduce costs with pooled multiple session resources. With the new Windows 10 Enterprise multi-session functionality unique to Windows Virtual Desktop and the Windows Server Remote Desktop Session Host (RDSH) role, you can significantly reduce the number of virtual machines and operating system (OS) overhead, while providing the same resources to users.
- Assign individual ownership using personal (permanent) desks.

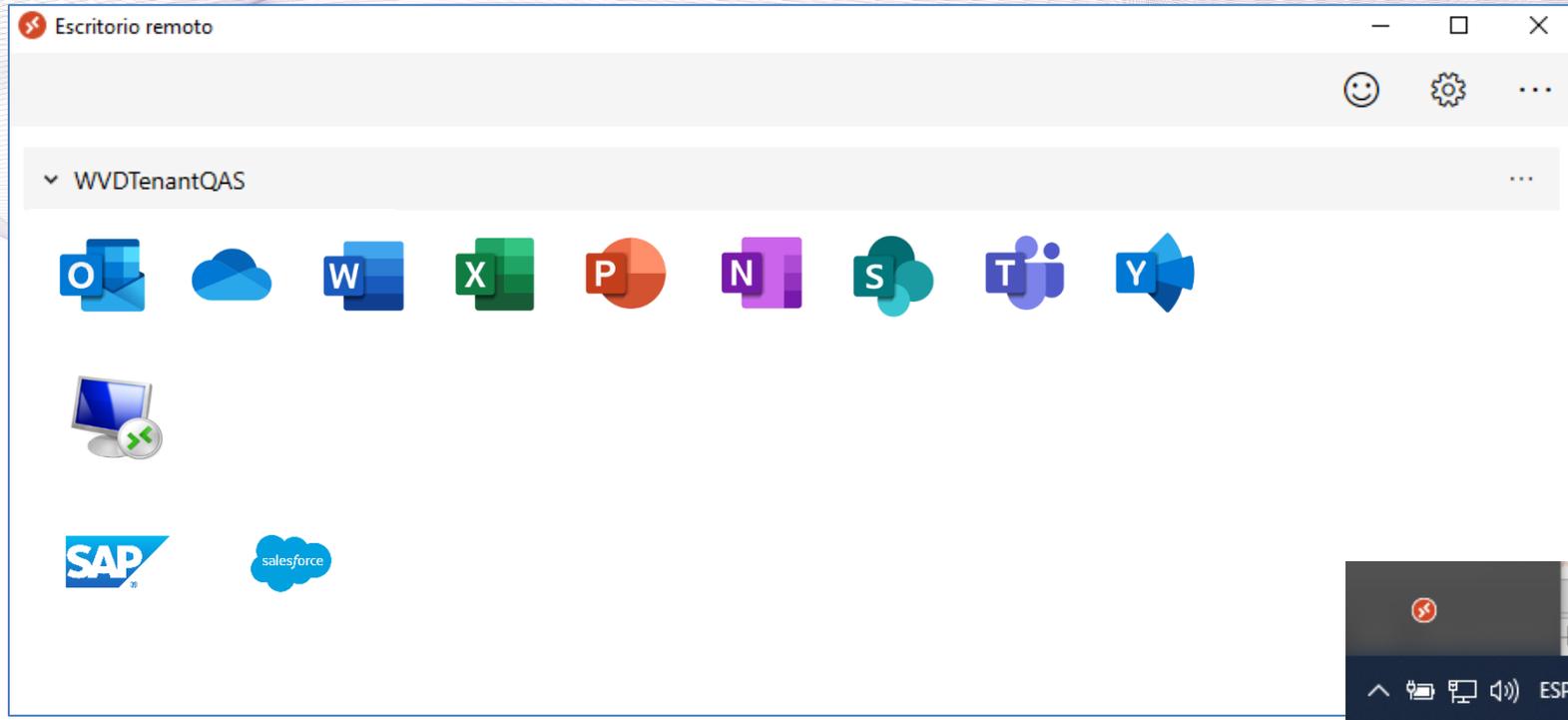
You can deploy and manage virtual desktops:

- Use the Windows Virtual Desktop PowerShell and REST interfaces to configure host groups, create application pools, assign users, and publish resources.
- Publish individual remote applications or full desktop applications from a single host group, create individual application groups for different sets of users, or even assign users to multiple application groups to reduce the number of images.
- As you manage your environment, you will use built-in delegated access to assign roles and collect diagnostics to understand various configuration or user errors.
- Use the new diagnostic service to fix the errors.
- Manage only the image and virtual machines and forget about the infrastructure. You do not need to personally manage Remote Desktop roles, as you do with Remote Desktop Services, but only the virtual machines in your Azure subscription.

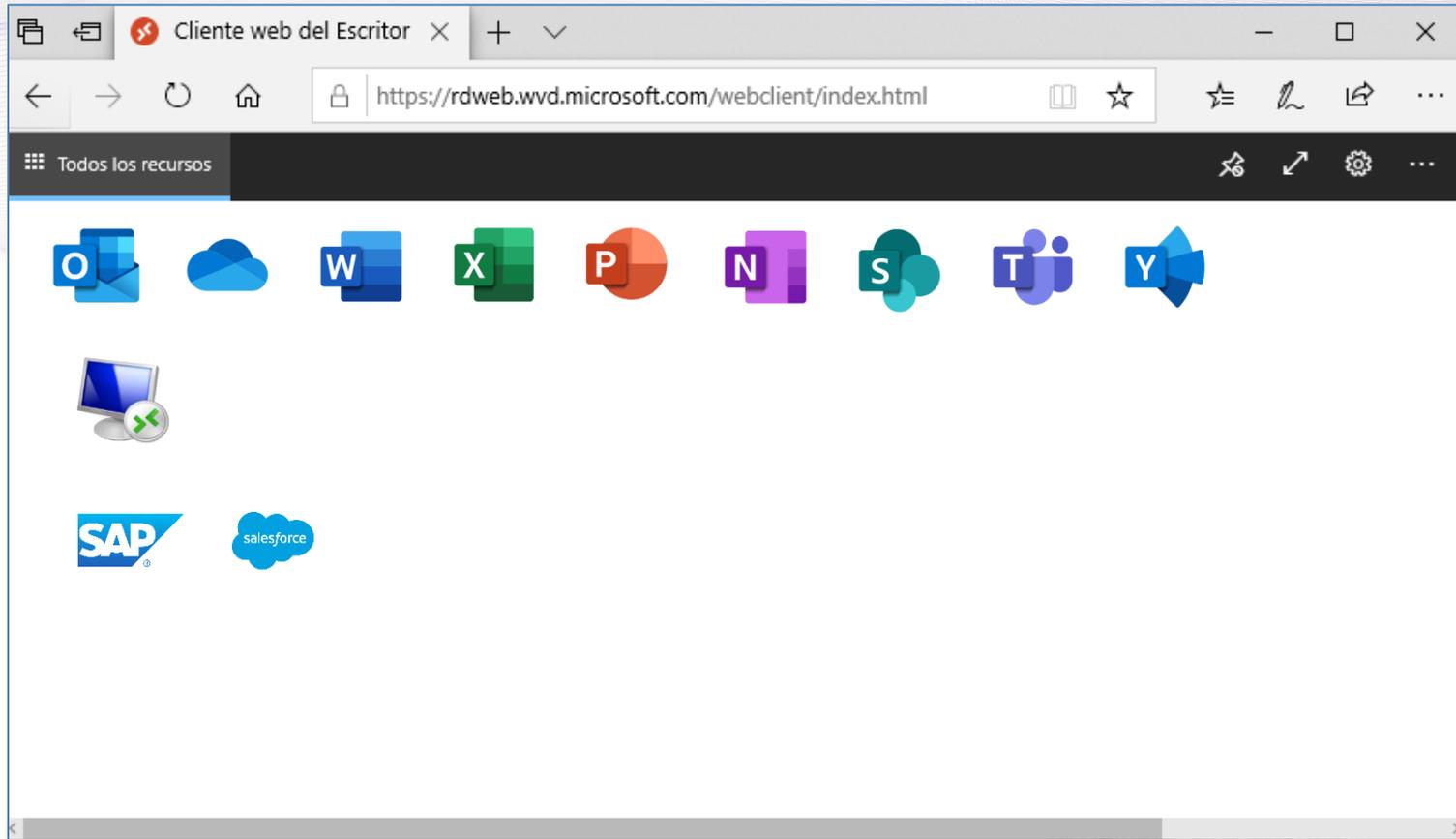
You can also assign and connect users to virtual desktops:

- Once assigned, users can launch any Windows Virtual Desktop client to connect users to their published Windows desktops and applications. Connect from any device using a native application on your device or through the Windows Virtual Desktop HTML5 web client.
- Securely establish users using reverse connections to the service, so you never have to leave input ports open.
- Windows Virtual Desktop is an application and desktop virtualization service that runs in the Azure cloud. Many commercial solutions also add the ability to switch some incoming client sessions (using breaker software) to traditional shared desktop systems such as Microsoft Terminal Services or Citrix application servers, blade servers, or even computers. unused physical and individual desktops.

# Access – Remote Client



# Access – WEB Navigator



# Cloud cost optimization

Our projects are executed with different technical approaches and good practices guided by product experts, but our main focus is the optimization of resources deployed in the public cloud.

We apply the best strategies for the deployment, administration and continuous improvement of the architectures deployed in the cloud.

Licensing

Self learning

Auto scaling

Reserved Instances



Comparison of products

Rules

Monitor

Alliances

Offers

# Certified Engineers

Our specialists are certified in the different Microsoft Azure lines to guarantee project development with the best practices adopted from the manufacturer.





# Scope

The scope of the proof of concept is estimated in the following activities:

- Review and profiling of currently used applications (desktop type or virtual app)
- Azure tenant initial configuration (users, groups, subscriptions, resource groups)
- Joint creation of 1 custom image on multi-user Windows 10 or Windows Server (applications, patches, fixes, others)
- Install Office 365 in shared mode
- Personalization Windows 10 or Windows Server
- Accompaniment in the installation of 3 applications
- Profile redirection
- Azure-Datacenter VPN connection (Optional)Deploying the Windows Virtual Desktop solution
- Platform customization
- Publishing application groups and permissions
- Remote user profiles association
- RDP audio, component and unit properties configuration
- User tests
- Tuning



## Working means

Go To Cloud will provide the assigned resources with the hardware and software means deemed necessary for the development of the functions to be performed.

No type of credit will be provided on the Microsoft Azure platform for the development or deployment of the resources required by the project.

No type of licensing will be provided such as operating systems or business or market applications.



Tu información segura en todo lugar

Carrera 14 # 98 – 31 piso 2 Bogotá D.C. / 6564788  
[www.gotocloud.in](http://www.gotocloud.in)

# Thanks