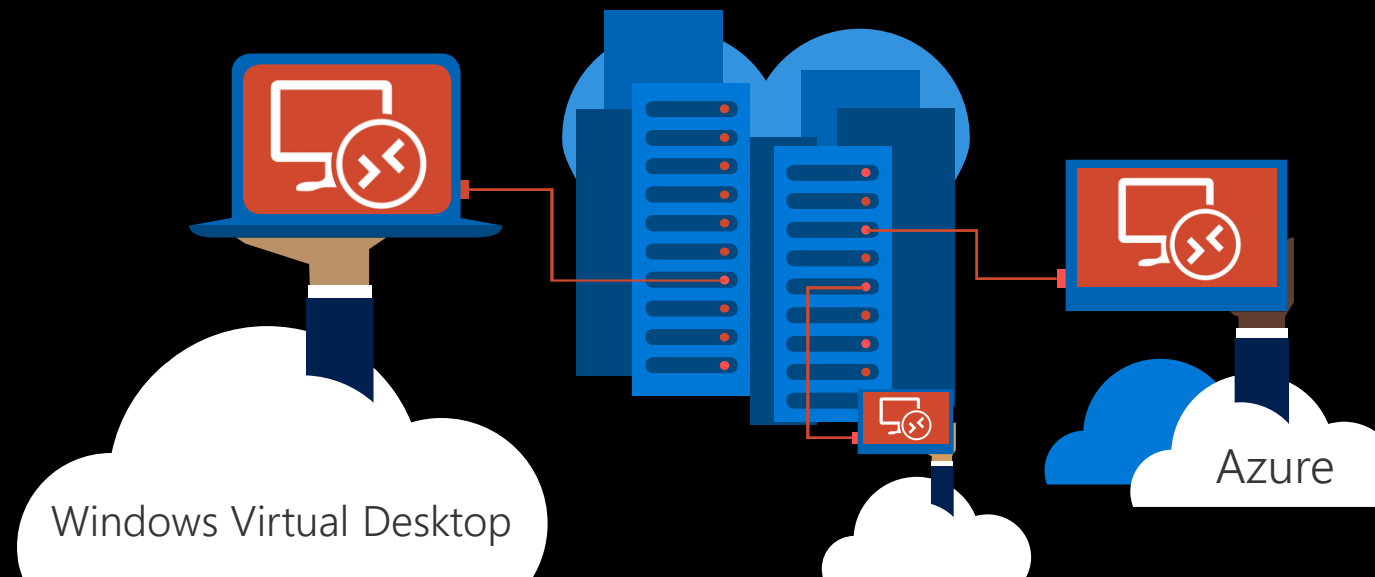


Microsoft meets Community Keynote

Christiaan Brinkhoff

Global Black Belt at Microsoft



THANK YOU!

1800+ registrations



Micha Wets
Cloud Architect
Aspex



Marcel Meurer
Division Manager
Sepago



Freek Berson
Remoting Evangelist
Wortell



Simon Binder
Principal Technical Architect
Truesec



Thomas Poppelgaard
Technical Evangelist
Poppelgaard.com



Bas van Kaam
Cloud Technologist
Solomon IT



Scott Manchester
Group Manager, Cloud Managed Desktops
Microsoft

Other speakers today.

Spread the knowledge!


#WVDevent2020

Windows Virtual Desktop

Microsoft

- Overview
- Manage
 - Host pools
 - Application groups
 - Workspaces
 - Users

System, create a host pool!






Easily scale your VM deployment. Create host pools to easily manage assignments, application groups, and settings for your entire organization.

[Create a host pool](#)

Documentation and help

- Getting started**
Welcome to Windows Virtual Desktop!
[Learn more](#)
- Create your own image**
Capture and create a managed image.
[Learn more](#)
- Cost calculator**
How much will your deployment cost?
[Learn more](#)
- Profile containers**
Profile disks are out. Containers are in.
[Learn more](#)

Community

-  **Windows Virtual Desktop**
Get the latest news and share your thoughts.
[Windows Virtual Desktop forums](#)
-  **Stack Overflow**
Find answers and solutions for Azure issues.
[Stack for Windows Virtual Desktop](#)
-  **@AzureSupport**
Quickly connect with our experts.
[Tweet @AzureSupport](#)

Going back in time...

April 4, 1975

I AM
APPLE
TANDY



MULTI

WINDOW MANAGER

8086
68000

Play

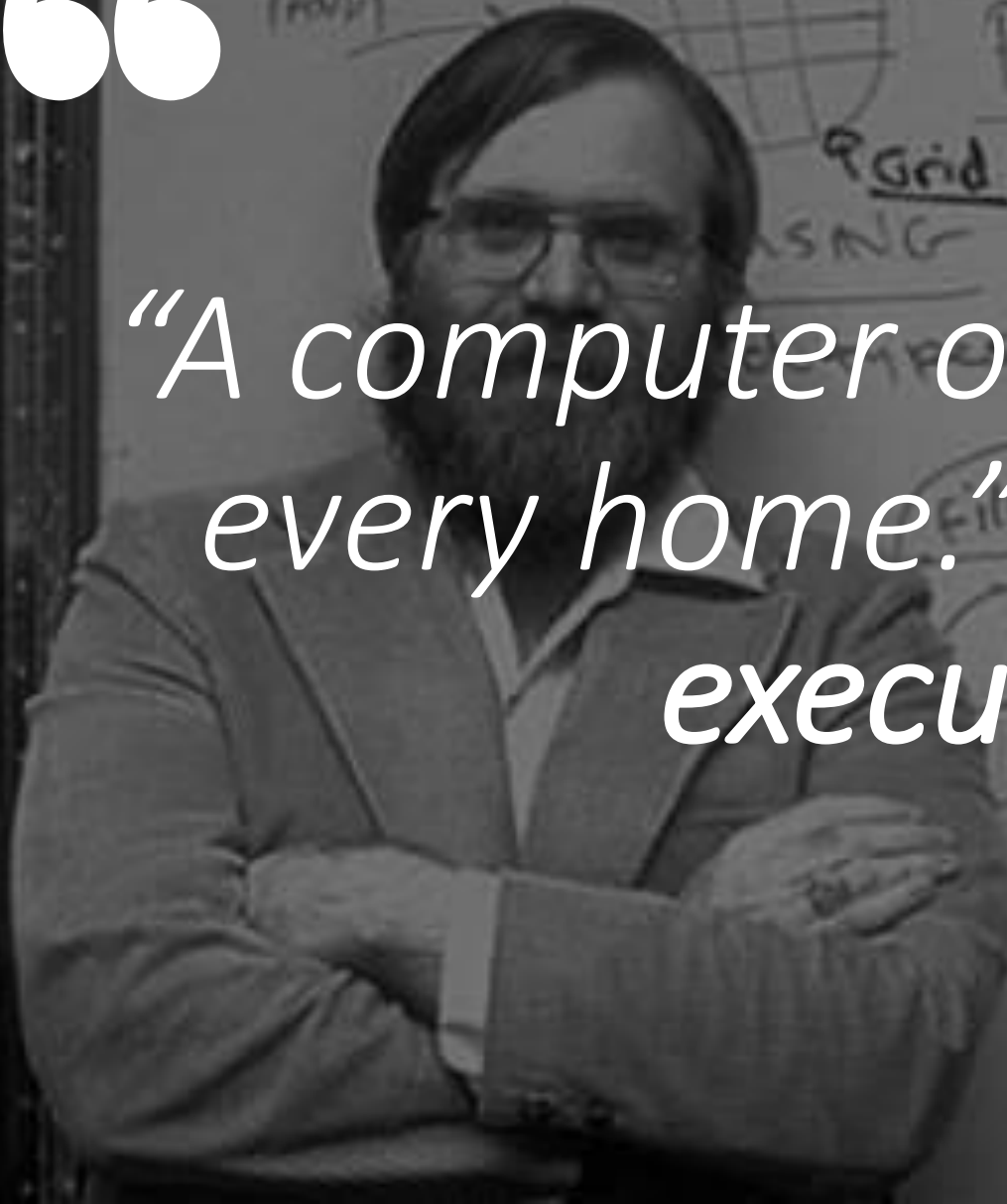
Grid

USING
data types?



“

“A computer on every desk and in every home.” – Bill Gates, chief executive officer

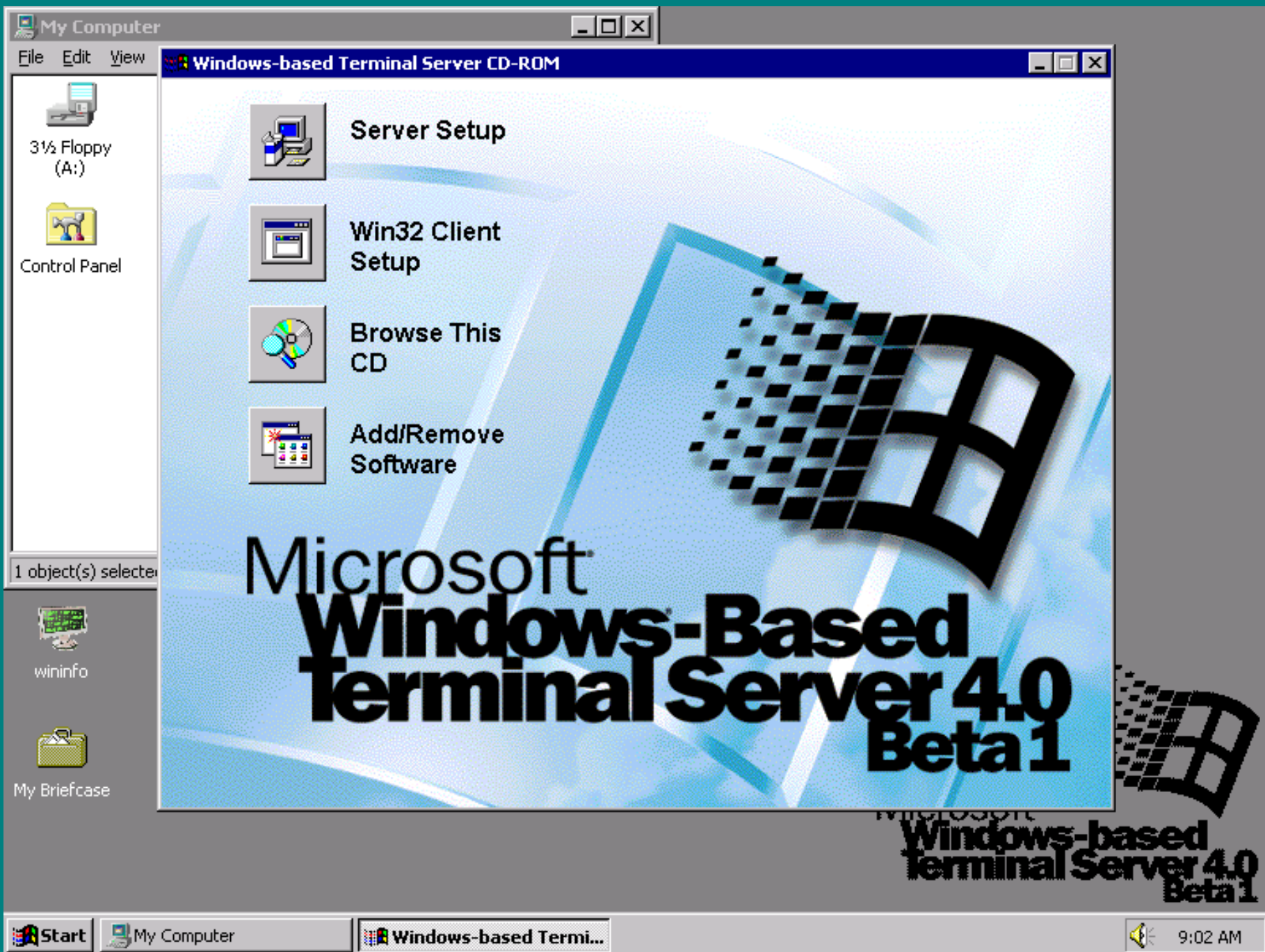


Clock

Reversi

Game Skill

1998



My Computer

File Edit View

Windows-based Terminal Server CD-ROM

3 1/2 Floppy (A:)

Control Panel

1 object(s) selected

wininfo

My Briefcase

Start

My Computer

Windows-based Termi...

9:02 AM

“

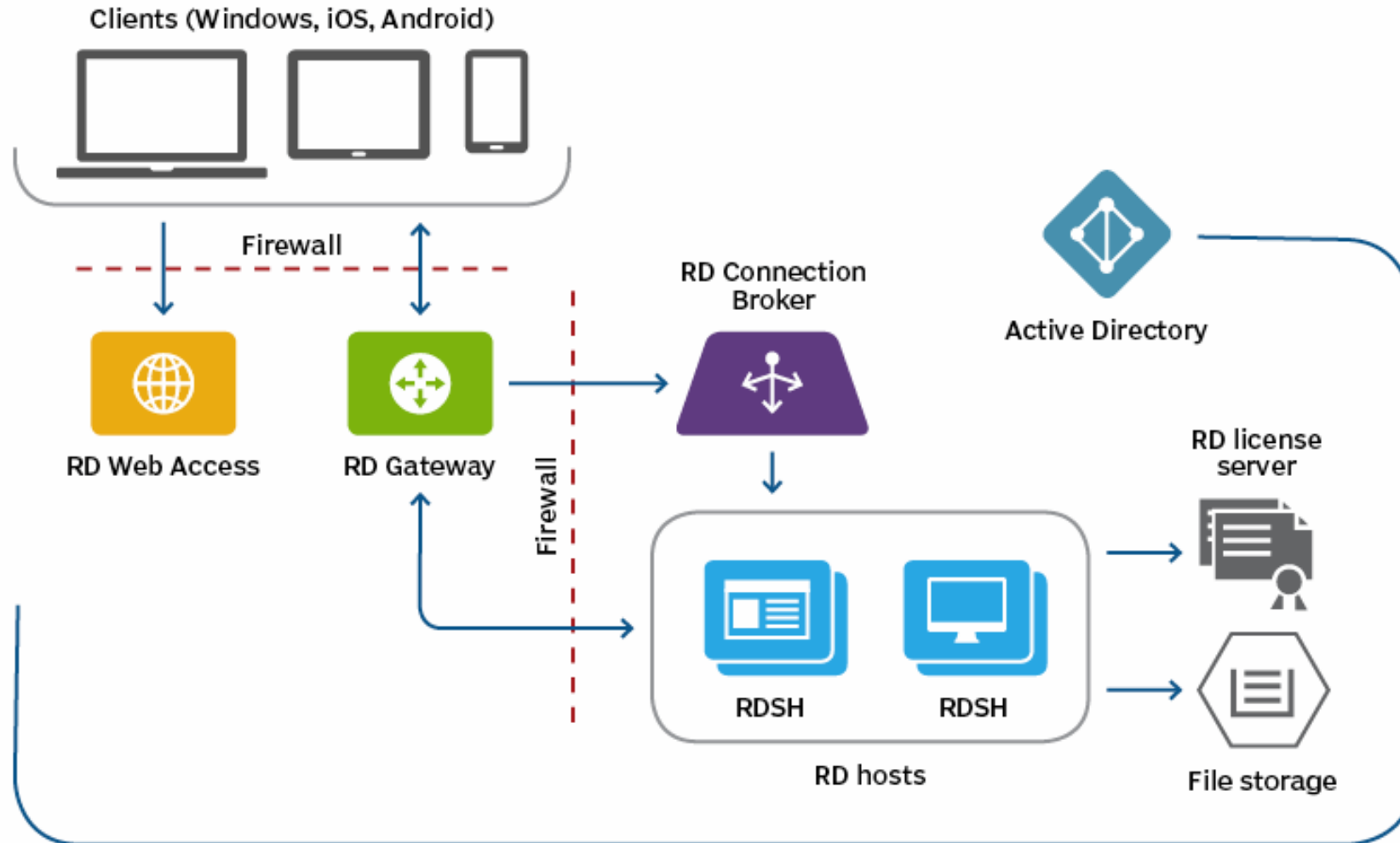
The rename to "**Remote Desktop Services**" occurred
with Windows Server 2008 R2 in 2009

Windows Server 2012 R2

Windows Server 2016

Windows Server 2019

Traditional RDS high-level architecture



RDP evolution



RDP 7.0 (2007)

- RemoteApp
- True Multimonitor
- Easy print



RDP 7.1 (2009)

- RemoteFX Bitmap remoting
- RemoteFX vGPU
- RemoteFX USB redirection



RDP 8 (2012)

- Adaptive graphics support
- Low bandwidth support (UDP)
- RemoteFX Progressive Calista Codec
- Video optimized remoting using H.264/AVC
- Multi touch



RDP 8.1 (2014)

- H.264 desktop remoting support for low-powered devices such as Windows RT



RDP 10 (2015-2020)

- H.264/AVC 444 codec
- Pen remoting
- Clients for MacOS, iOS, Android
- Camera redirection
- 4k remoting improvements
- RD sessions can be load balanced across multiple GPUs on the server
- Improve graphics encoding performance when misclassification is detected
- Display drives redirected over RDP in a dedicated File Explorer group
- Lift 4GB limit when copying files via clipboard redirection
- URCP
- 4K-DDS Dynamic Down-sampling
- mGPU-E Smart Load-Balancing
- RemoteFX vGPU deprecation
- Camera Controls Redirection
- MFT-based codecs
- Toast notifications for RemoteApp
- Performance Improvements on networks with inherent loss by using a delay-based rate control algorithm
- GPU-P
- RDPIDD single user
- RDP Shortpath

Switching in company vision

“

Satya Nadella believes in making
Microsoft more driven by a sense of
purpose



"Our mission is to empower every person and every organization on the planet to achieve more."

Satya Nadella



New York Times
Bestseller

With
a Foreword by
Bill Gates

Hit Refresh

The Quest to Rediscover
Microsoft's Soul and Imagine
a Better Future for Everyone

Satya Nadella

Microsoft's CEO, with Greg Shaw and Jill Tracie Nichols

The Microsoft journey from
traditional to modern

“

“Our industry does not respect tradition. What it respects is innovation.” — Satya Nadella

2017



RDmi is a milestone for the future of RDS. Here's how it works

RDmi remains in private Technical Preview, but it's already an exciting milestone with huge potential.



Benny Tritsch



Kristin L. Griffin
RDS Gurus

Published: 25 Jun 2018

By *Benny Tritsch and Kristin L. Griffin*

Microsoft first introduced the concept of Remote Desktop modern infrastructure (RDmi) at Inspire 2017 in Washington, D.C., and then again [at Ignite 2017](#) in Orlando. As of today, RDmi is not publicly available and can only be tested in the context of a private Technical Preview. We're going to provide a concise overview of the currently disclosed facts.

In a nutshell, RDmi combines traditional Windows desktops and applications with modern cloud concepts. At this point, you may ask yourself why Microsoft would make a major investment into such a solution or service. Is there a [good technical reason](#) and a compelling business case?

Latest News

New iPhone 11 features focus on consumers, not enterprises

St. John's Health modernizes with digital workplace technology

Customers can interact with new VMware DaaS product at VMworld

[View All News](#)

Related Content

Remote Desktop Services (RDS)

Understand Microsoft Windows Virtual Desktop and its ...

Microsoft acquires FSLogix to enhance the Office 365 virtualization experience

Nov 19, 2018 | Brad Anderson, CVP, Microsoft 365 and Julia White, CVP, Microsoft Azure



The way Microsoft 365 enables customers to shift to a modern desktop experience puts it at the heart of workplace transformation. A modern desktop with Windows 10 and Office 365 not only offers the most productive and most secure computing experience, it also saves IT time and money, and allows for a focus on driving business results. For many companies, their specific needs require a modern desktop be virtualized.

To help extend our virtualization capabilities and provide an even richer experience for Microsoft 365 customers, we are excited to announce the acquisition of [FSLogix](#).

FSLogix is a next-generation app-provisioning platform that reduces the resources, time and labor required to support virtualization. From small businesses to very large global enterprises across numerous industries, FSLogix solutions enhance customer experience and productivity, while reducing support requirements for IT departments.



In September 2018, we announced [Microsoft Windows Virtual Desktop](#) – a Microsoft 365 service that empowers customers to run a modern desktop experience on Azure. It is the only cloud-based service that delivers a multi-user Windows 10 experience that is optimized for Office 365 ProPlus and includes free Windows 7 Extended Security Updates. With Windows Virtual Desktop, you can deploy and scale Windows and Office on Azure in minutes, with built-in security and compliance.

With this acquisition, customers will benefit in a number of ways. Through customer engagement, we know that Microsoft Office applications are some of the most highly used and most commonly virtualized applications in any business. Office 365 ProPlus is currently the best Office experience, and, with FSLogix enabling faster load times for user profiles in Outlook and OneDrive, Office 365 ProPlus will become even more performant in multi-user virtual environments (including Windows Virtual Desktop).

We are excited to welcome FSLogix to Microsoft, and we look forward to the impact its technology and its people will have on our customers' virtualization experience.

Related Stories

Apr 29, 2019 | [Scott Guthrie](#)

Dell Technologies and Microsoft expand partnership with new VMware Solutions



Mar 13, 2019 | [Toni Townes-Whitley](#)

New Microsoft 365 and business applications technologies enable government to modernize for the mission



Jul 19, 2018 | [Judson Althoff](#)

Powering our customers: the innovation story behind Microsoft's earnings



Jul 17, 2019 | [Judson Althoff](#)

Looking back, looking ahead: Customers are driving capabilities for their business and people





Virtualization hosts of the future

Windows Server
RD Session Host

Scalable multi-session **legacy**
Windows environment

Windows Server

Multiple sessions

Win32

Office Perpetual/Office ProPlus
(Windows Server 2016, 2019)

Long-Term Servicing Channel



Windows 10 Enterprise
multi-session

Scalable multi-session **modern**
Windows user experience with
Windows 10 Enterprise security

Windows 10

Multiple sessions

Win32, UWP

Office 365 ProPlus

Semi-Annual Channel

Windows 10
Enterprise

Native single-session **modern**
Windows experience

Windows 10

Single session

Win32, UWP

Office 365 ProPlus

Semi-Annual Channel

SEPTEMBER 30, 2019

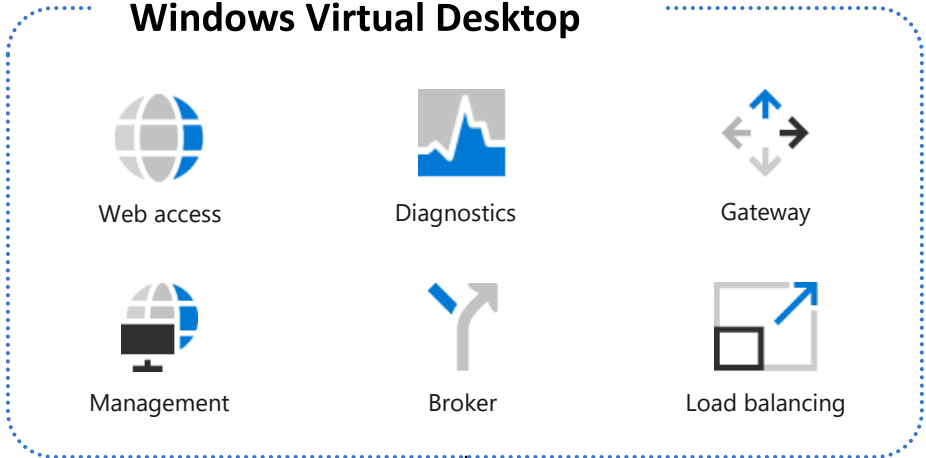
Windows Virtual Desktop is now generally available worldwide

By Brad Anderson, Corporate Vice President for Microsoft 365, and Takeshi Numoto, Corporate Vice President for Microsoft Azure

Today, we're excited to announce that Windows Virtual Desktop is now generally available worldwide. Windows Virtual Desktop is the only service that delivers simplified management, a multi-session Windows 10 experience, optimizations for [Office 365 ProPlus](#), and support for Windows Server Remote Desktop Services (RDS) desktops and apps. With Windows Virtual Desktop, you can deploy and scale your Windows desktops and apps on Azure in minutes.

Since [we announced Windows Virtual Desktop last September](#), and through the public preview [announced in March](#), thousands of customers have piloted the service and taken advantage of the Windows 10 multi-session capability—validating the importance of this feature as a core part of the service. Customers also represented, all

Architecture



Managed by Microsoft
(WVD workspace)

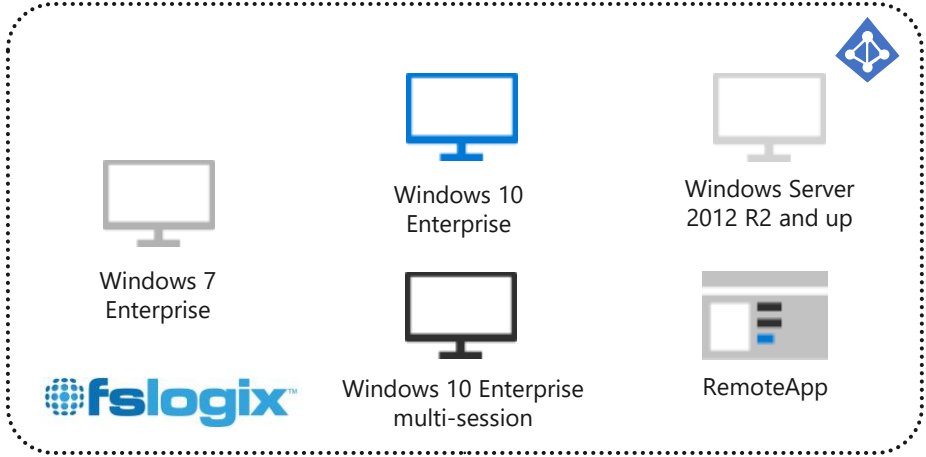
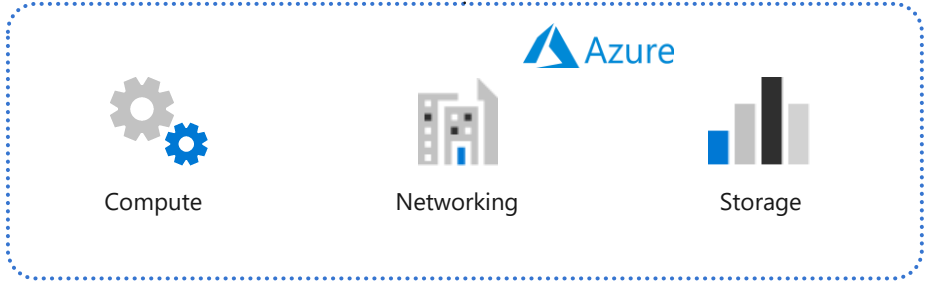


Image Management – Your control
(Azure IaaS)



Managed by Microsoft
(Azure IaaS)

6 months...

COVID-19

Microsoft Azure

Since last week's update, the global health pandemic continues to impact every organization—large or small—their employees, and the customers they serve. Everyone is working tirelessly to support all our customers, especially critical

health

unpr

rely o

As Sa

imp

com

For t

insig

[Azure](#)

[Micro](#)

[Xbox](#)

Wha

In res

servi

What have you observed over the last week?

In response to health authorities emphasizing the importance of social distancing, we've seen usage increases in services that support these scenarios—including Microsoft Teams, Windows Virtual Desktop, and Power BI.

- We have seen a 775 percent increase of our cloud services in regions that have enforced social distancing or shelter in place orders.
- We have seen a 775 percent increase in Teams' calling and meeting monthly users in a one month period in Italy, where social distancing or shelter in place orders have been enforced.
- We have seen a very significant spike in Teams usage, and now have more than 44 million daily users. Those users generated over 900 million meeting and calling minutes on Teams daily in a single week. [You can read more about Teams data here.](#)
- Windows Virtual Desktop usage has grown more than 3x.
- Government use of public Power BI to share COVID-19 dashboards with citizens has surged by 42 percent in a week.

• We have seen a 775 percent increase in Teams' calling and meeting monthly users in a one month period in Italy, where social distancing or shelter in place orders have been enforced.

• We have seen a very significant spike in Teams usage, and now have more than 44 million daily users. Those users generated over 900 million meeting and calling minutes on Teams daily in a single week. [You can read more about Teams data here.](#)

• Windows Virtual Desktop usage has grown more than 3x.

Verkennen

Ontdek wat de toekomst brengt. toekomstige wijzigingen in Azure

[Azure-updates](#)

wat u van Azure v graag zou willen

s (2155)

nt (31)

ence (215)

ace (136)

analytics (31)

[Business Intelligence](#) (114)

[Cloud Strategy](#) (610)

[Cognitive Services](#) (124)

[Data Science](#) (106)

[Data Warehouse](#) (209)

[Database](#) (584)

We're just getting started...

New capabilities

Native domain controller (AD) support with [Azure File Storage](#)

[Microsoft Teams](#) in Windows Virtual Desktop

Support for Linux thin clients with [IGEL](#)

Enhanced integration with [Microsoft 365](#)

Preview of [MSIX app attach](#)

Improvements in [admin experience](#)

Windows Virtual Desktop roadmap

aka.ms/wvdroadmap



Too much Powershell?

*Management console
via Azure Portal*

More ARM automation

RBAC integration

*Deeper log Analytics
integration*

Change metadata location

*Azure AD Group support
for App/Desktop assignment*

Home - Microsoft Azure x Home - Microsoft Azure x

https://portal.azure.com/?microsoft_azure_marketplace_ItemHideKey=Microsoft_Azure_WVD_Hidden&feature.showassetypes=microsoft_azure_wvd_hostpool%2Cmicrosoft_azure_wvd_applic...

Search resources, services, and docs (G+/)

admin@wvd.cloud CONTOSO

Azure services

- Create a resource
- Windows Virtual Desktop
- Monitor
- Log Analytics workspaces
- Virtual machines
- Subscriptions
- Azure Active Directory
- Storage accounts
- Virtual networks
- More services

Recent resources

Name	Type	Last Viewed
fslogixwvddemowe	Storage account	11 minutes ago
RemoteApps (preview)	Host pool	13 minutes ago
m365wvd (preview)	Workspace	13 minutes ago
RemoteApp-DAG (preview)	Application group	15 minutes ago
Desktops (preview)	Host pool	16 minutes ago
wvdazuremonitor-maa3sxbvq452	Log Analytics workspace	a day ago
wvdlogdemo	Log Analytics workspace	3 days ago
WVD-vNet-01	Virtual network	3 days ago
Desktops-DAG (preview)	Application group	3 days ago
fslogixwesteurope	Storage account	4 weeks ago
fslogixfrance	Storage account	2 months ago
WVD-RG-1	Resource group	3 months ago

Navigate

- Subscriptions
- Resource groups
- All resources
- Dashboard

Windows Virtual Desktop

Subscriptions

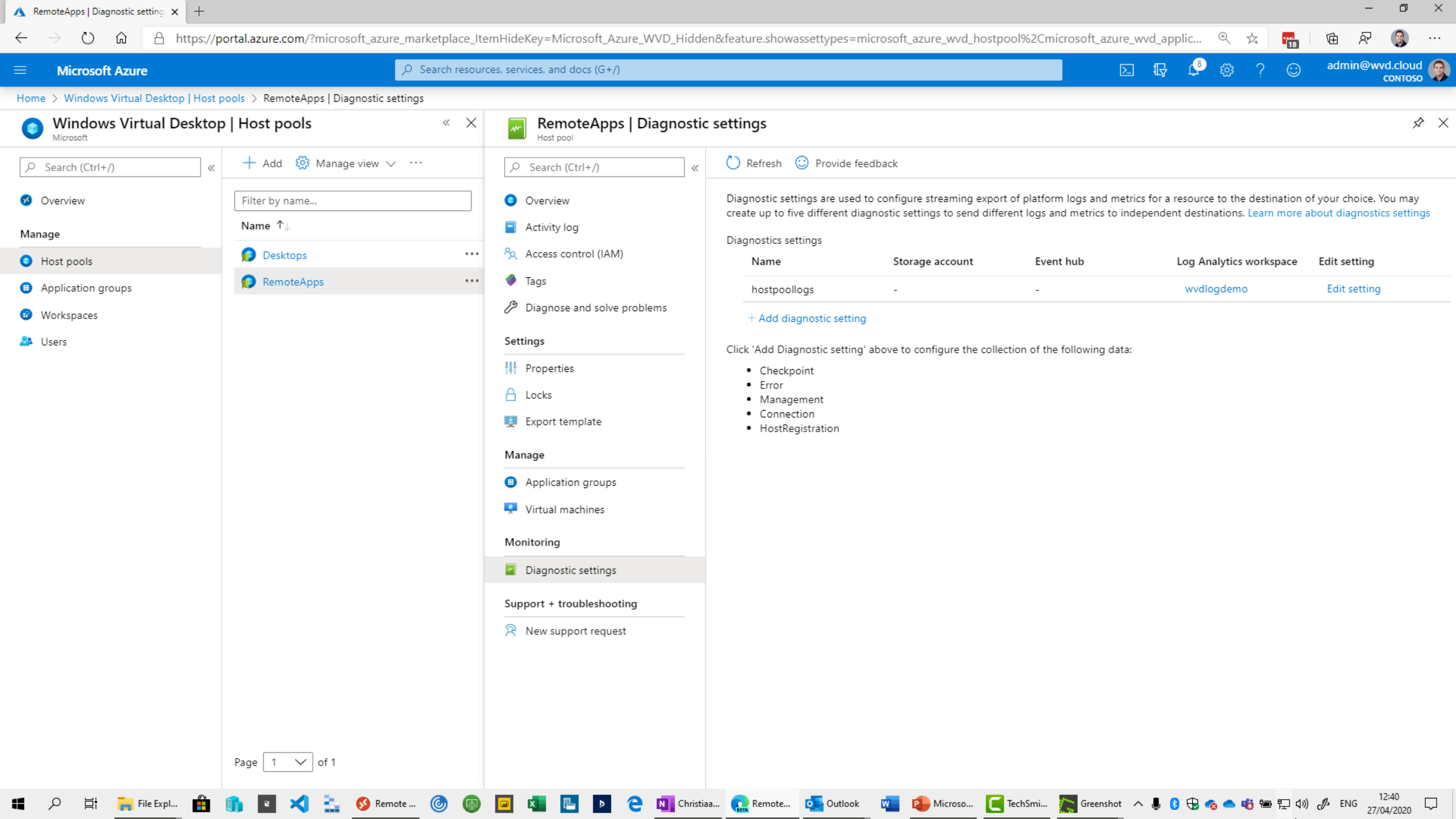
Resource groups

All resources

Dashboard

IGEL Disru... Remote D... Christiaa... Home - ... PowerPoint TechSmit... Recordin...

20:18 25/04/2020



Windows Virtual Desktop | Host pools

- Search (Ctrl+/) << + Add Manage view >> ...
- Filter by name...
- Name ↑↓
- Desktops ...
 - RemoteApps ...
- Manage
- Host pools
 - Application groups
 - Workspaces
 - Users

RemoteApps | Diagnostic settings

- Search (Ctrl+/) << Refresh Provide feedback
- Overview
 - Activity log
 - Access control (IAM)
 - Tags
 - Diagnose and solve problems
- Settings
- Properties
 - Locks
 - Export template
- Manage
- Application groups
 - Virtual machines
- Monitoring
- Diagnostic settings
- Support + troubleshooting
- New support request

Diagnostic settings are used to configure streaming export of platform logs and metrics for a resource to the destination of your choice. You may create up to five different diagnostic settings to send different logs and metrics to independent destinations. [Learn more about diagnostics settings](#)

Diagnostics settings

Name	Storage account	Event hub	Log Analytics workspace	Edit setting
hostpoollogs	-	-	wvdlogdemo	Edit setting

[+ Add diagnostic setting](#)

Click 'Add Diagnostic setting' above to configure the collection of the following data:

- Checkpoint
- Error
- Management
- Connection
- HostRegistration

RemoteApps | Diagnostic setting x

https://portal.azure.com/?microsoft_azure_marketplace_ItemHideKey=Microsoft_Azure_WVD_Hidden&feature.showassettypes=microsoft_azure_wvd_hostpool%2Cmicrosoft_azure_wvd_applic...

Microsoft Azure

Search resources, services, and docs (G+)

admin@wvd.cloud CONTOSO

Home > Windows Virtual Desktop | Host pools > RemoteApps | Diagnostic settings

Windows Virtual Desktop | Host pools

Microsoft

Search (Ctrl+/)

+ Add Manage view

Filter by name...

Name ↑↓

- Desktops
- RemoteApps

Overview

Activity log

Access control (IAM)

Tags

Diagnose and solve problems

Settings

- Properties
- Locks
- Export template

Manage

- Application groups
- Virtual machines

Monitoring

- Diagnostic settings

Support + troubleshooting

- New support request

Page 1 of 1

RemoteApps | Diagnostic settings

Host pool

Refresh Provide feedback

Diagnostic settings are used to configure streaming export of platform logs and metrics for a resource to the destination of your choice. You may create up to five different diagnostic settings to send different logs and metrics to independent destinations. [Learn more about diagnostics settings](#)

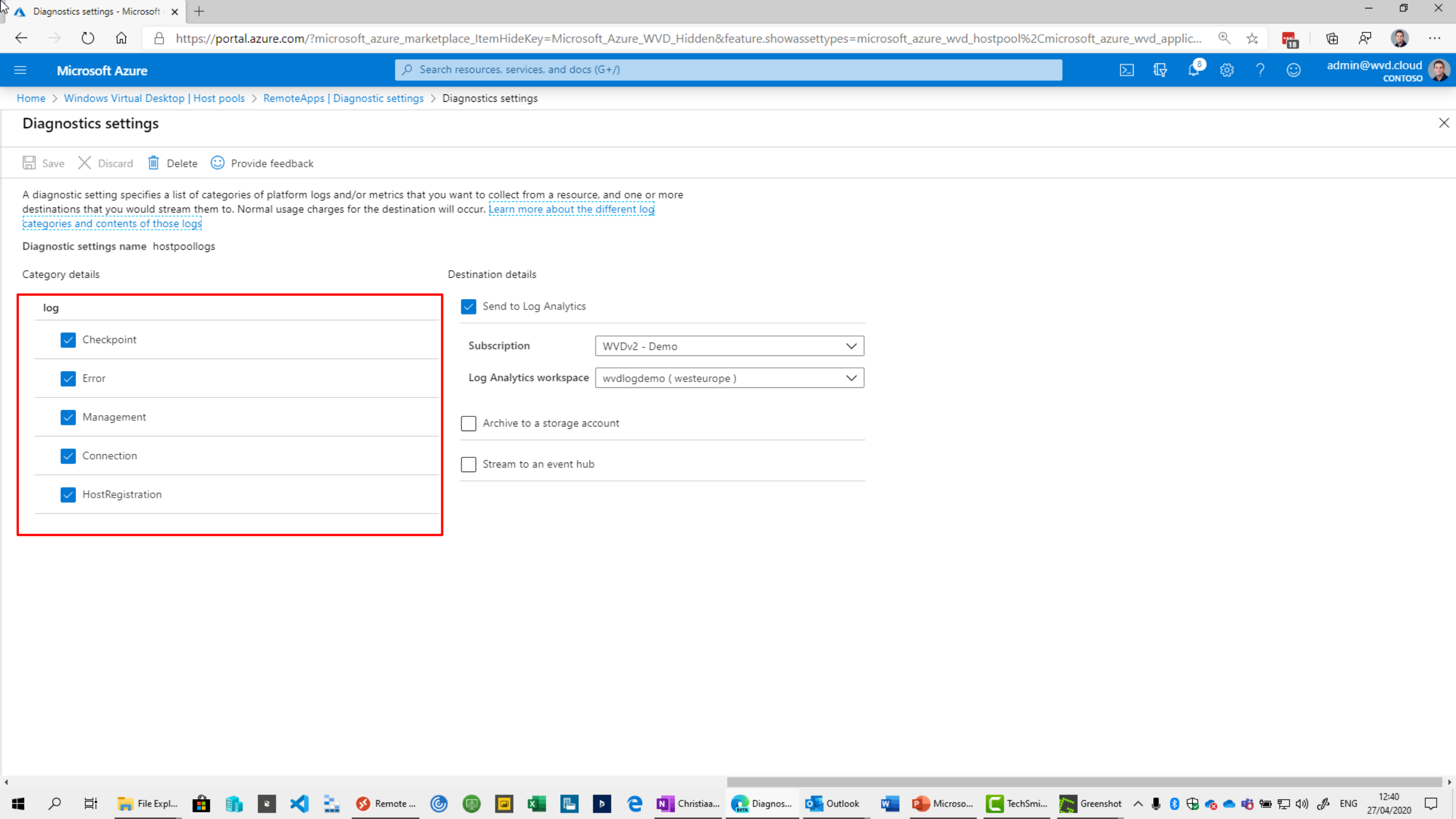
Diagnostics settings

Name	Storage account	Event hub	Log Analytics workspace	Edit setting
hostpoollogs	-	-	wvdlogdemo	Edit setting

[+ Add diagnostic setting](#)

Click 'Add Diagnostic setting' above to configure the collection of the following data:

- Checkpoint
- Error
- Management
- Connection
- HostRegistration



Diagnostics settings

Save Discard Delete Provide feedback

A diagnostic setting specifies a list of categories of platform logs and/or metrics that you want to collect from a resource, and one or more destinations that you would stream them to. Normal usage charges for the destination will occur. [Learn more about the different log categories and contents of those logs](#)

Diagnostic settings name hostpoollogs

Category details

log

- Checkpoint
- Error
- Management
- Connection
- HostRegistration

Destination details

- Send to Log Analytics

Subscription WVDv2 - Demo

Log Analytics workspace wvdlogdemo (westeurope)

- Archive to a storage account

- Stream to an event hub

WVD Session Hosts - Microsoft | x

https://portal.azure.com/?microsoft_azure_marketplace_ItemHideKey=Microsoft_Azure_WVD_Hidden&feature.showassetypes=microsoft_azure_wvd_hostpool%2Cmicrosoft_azure_wvd_applic...

Microsoft Azure | Search resources, services, and docs (G+)

admin@wvd.cloud CONTOSO

Home > Log Analytics workspaces > wvdazuremonitor-maa3sxbvq452 > Overview > WVD Session Hosts

WVD Session Hosts

wvdazuremonitor-maa3sxbvq452

Refresh Logs Edit Clone

4/26/20 12:43 - 4/27/20 12:43

CPU CONSUMPTION

Overall CPU Consumption %

AVG 1.22

WORKER %

WORKER	%
WVD-MSIXAP-1	1.2

[See all...](#)

MEMORY CONSUMPTION

Memory free AVAILABLE BYTES

AVG 6.6G

WORKER BYTES FREE

WORKER	BYTES FREE
WVD-MSIXAP-1	6.6B

[See all...](#)

NETWORK

Network Throughput BYTE/S

AVG 1.4k

WORKER BYTE/S

WORKER	BYTE/S
WVD-MSIXAP-1	1.4K

[See all...](#)

PROCESSOR QUEUE

Length #

AVG 0.15

WORKER #

WORKER	#
WVD-MSIXAP-1	0.2

[See all...](#)

DISK QUEUE

Length #

AVG 0.0081

WORKER

WORKER	
WVD-MSIXAP-1	

[See all...](#)

Windows taskbar: File Expl..., Remote..., WVD Ses..., Outlook, Microsoft..., TechSmi..., Greenshot, 12:44 27/04/2020




Christiaan Brinkhoff
@Brinkhoff_C

Happy New Year Everyone! 🍷🍾🥂 #WVD #2020NewYear

[Tweet vertalen](#)



 Microsoft Azure

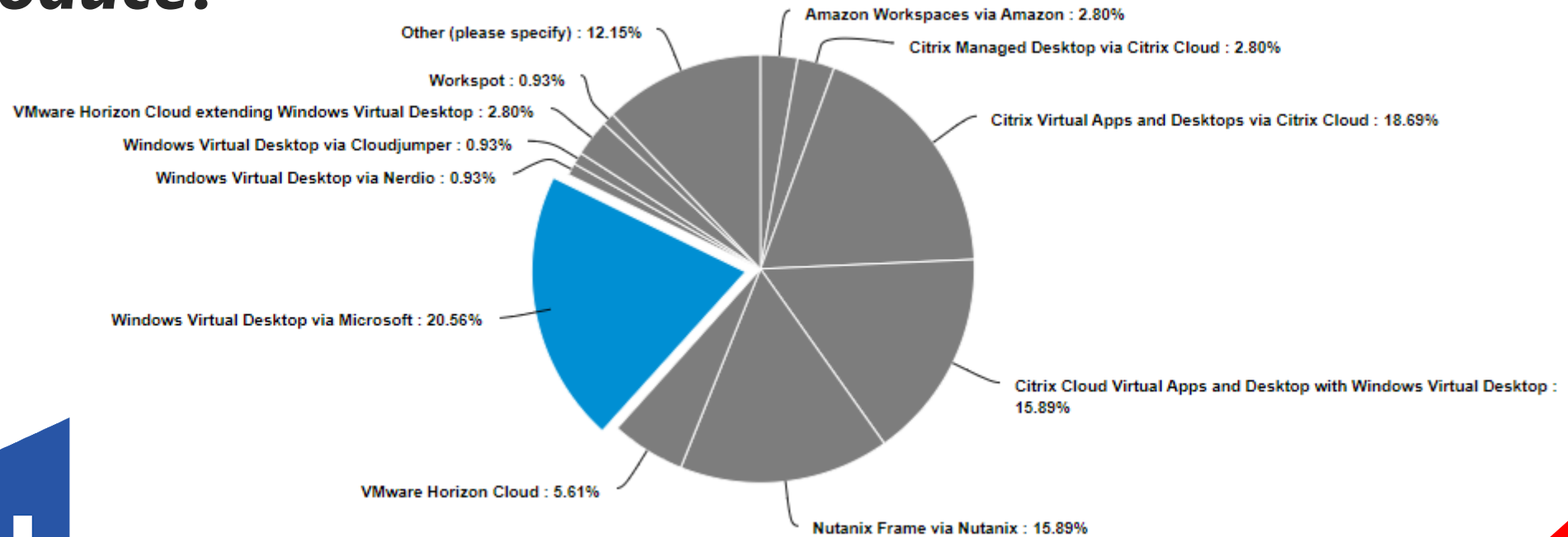
11:19 a.m. · 1 jan. 2020 vanuit [Beuningen, Nederland](#) · [Twitter for iPhone](#)

 [Tweetaactiviteit bekijken](#)

3 Retweets **25** Vind-ik-leuks



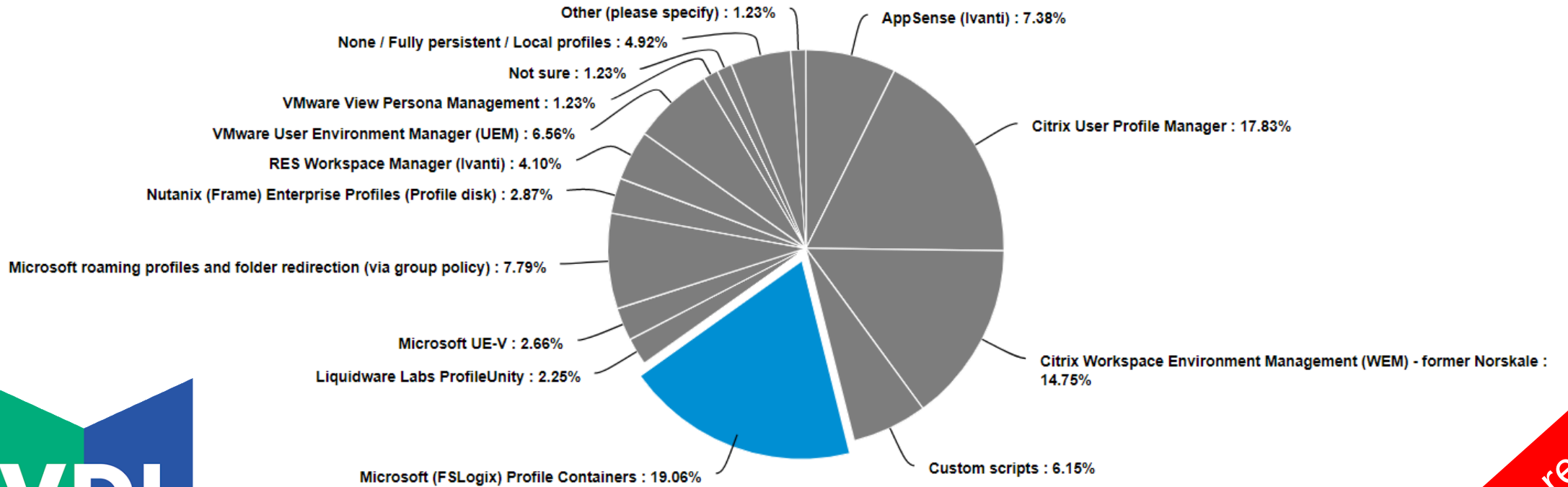
Which virtual application and desktop-as-a-Service solution are you using, or will you introduce?



Help us – go to VDILIKEAPRO.COM/SURVEY

2020 preview results

How is the user environment managed within virtual applications and desktops environment?



Help us – go to VDILIKEAPRO.COM/SURVEY

2020 preview results

Does this mean?



Phoummala Schmitt "Agent P" @ExchangeGoddess · 6 mrt.

2020 is the year of VDI!! #ITsTheYearOfVDI #ItsHere



Emad Younis @emad_younis · 6 mrt.

VDI folks be like



 5

 5

 21



Tweeten



René van den Bedem

@vcdx133

I think it is safe to name 2020 the year of VDI?

[Tweet vertalen](#)

1:08 p.m. · 4 apr. 2020 · [Twitter Web App](#)

3 Retweets 75 Vind-ik-leuks



Andre Leibovici

@andreleibovici

Is this finally the year of the VDI?

[#COVID19](#)

[Tweet vertalen](#)

6:42 p.m. · 6 mrt. 2020 · [Twitter for iPhone](#)

4 Retweets 34 Vind-ik-leuks

Before we end...

“

*“2020 **the year of**
Windows Virtual Desktop”*

THANK YOU!

ENJOY!

Agenda

12:15 - 13:00 | **Micha Wets & Freek Berson** - Dealing with application landscapes on WVD, current and future!

13:00 - 13:45 | **Thomas Poppelgaard** - New Nvidia and AMD virtual machine GPU options for Windows Virtual Desktop

13:45 - 14:00 | Break

14:00 - 14:45 | **Marcel Meuer** - Tips 'n tricks to automate & monitor your WVD workloads

14:45 - 15:30 | **Bas van Kaam** - The Ultimate WVD partner cheatsheet

15:30 - 16:15 | **Simon Binder** - Managing a virtual workplace using Windows Virtual Desktop and Microsoft 365

16:15 - 17:00 | **Scott Manchester** - Closing Keynote

First speakers

Micha Wets & Freek Berson –

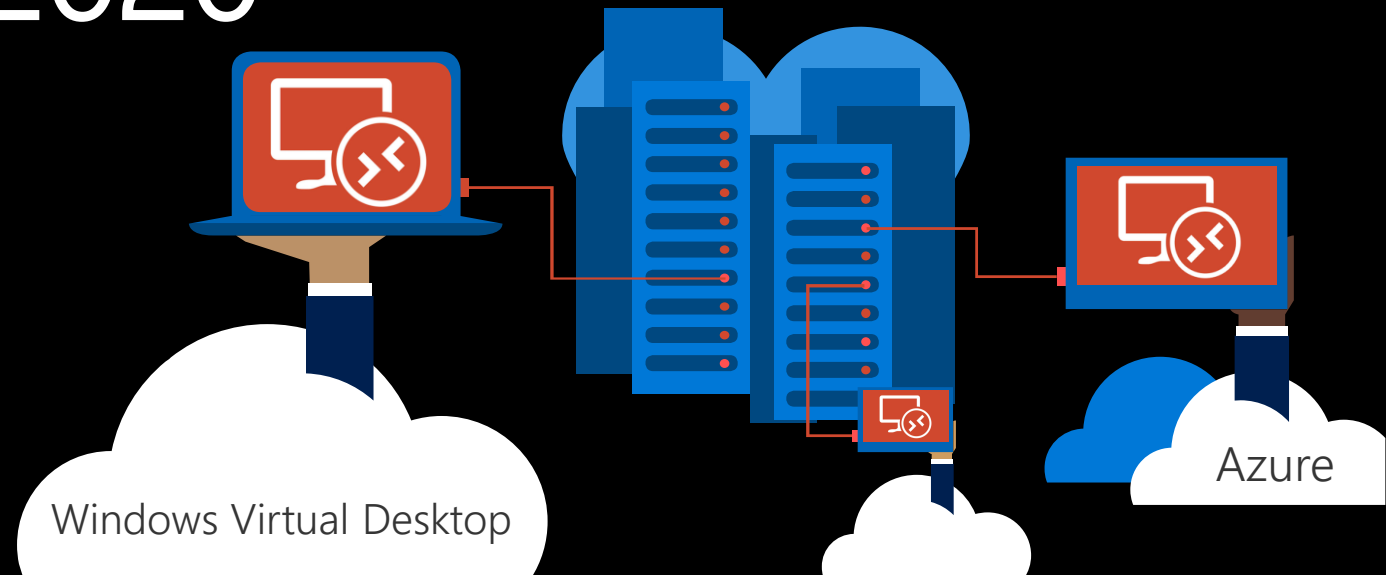
Dealing with application landscapes on WVD,
current and future

Mark the date



Microsoft meets Community Windows Virtual Desktop

13th of November, 2020



Stay safe and healthy

THANK YOU!