WELCOME TO

AVD DISCUSSION SERIES

SESSION 1 - INTRO TO AVD | 5 APRIL 22

CUBESYS

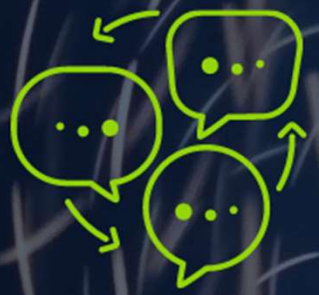
TODAY'S PRESENTERS

Paul Heaton
CEO & Co-founder
paulmichaelheaton

George Zajakovski
Senior Cloud Consultant
gzajakovski

AVD DISCUSSION SERIES SESSION 1 - INTRO TO AVD

Today's Discussion Format



The discussion is being recorded.

Please use the chat window to ask your questions.

We have our experts on hand to answer your questions.

The video and content will be sent via email post event.

UPCOMING SESSIONS

AVD DISCUSSION SERIES SESSION 1 - INTRO TO AVD

- ✓ **Session 2:** FSLogix Profiles & Apps | **TUESDAY 19 APRIL 2022**
- ✓ **Session 3:** Storage best practices & NetApp Files | **TUESDAY 3 MAY 2022**
- ✓ **Session 4:** Nerdio Automation | **TUESDAY 17 MAY 2022**
- ✓ **Session 5:** AppAttach & MSIX | **TUESDAY 31 MAY 2022**
- ✓ **Session 6:** Economic Assessment - building a business case | **TUESDAY 14 JUNE 2022**
- ✓ **Session 7:** AVD Cost Analysis & Charge backs | **TUESDAY 28 JUNE 2022**
- ✓ **Session 8:** Series Finale - AVD best Practices | **TUESDAY 12 JULY 2022**

AGENDA

1. INTRODUCTION TO AVD
2. TECHNOLOGY AND COSTS
3. END-USER EXPERIENCE

CUSTOMERS

NSW GOVERNMENT Health

ICON GROUP

scia
Spinal Cord Injuries Australia

HammondCare

The University Of Queensland
AUSTRALIA

origin

Cancer Council

Government of South Australia

UNSW SYDNEY

SA Power Networks

FRED

NSW GOVERNMENT Planning, Industry & Environment

FROM OUR CUSTOMERS

“If you had access to a particular application prior to COVID-19, you have access to that application now. And that's how we did it and we minimised some of our risk and maximised some of the user experience at the same time.”

"cubesys are experienced with the entire Azure platform and Microsoft products in general. We were very impressed with the quality of their engineers and the extra mile they'll go to deliver projects"

AVD DISCUSSION SERIES SESSION 1 - INTRO TO AVD

Microsoft

Windows Virtual Desktop

Advanced Specialisation

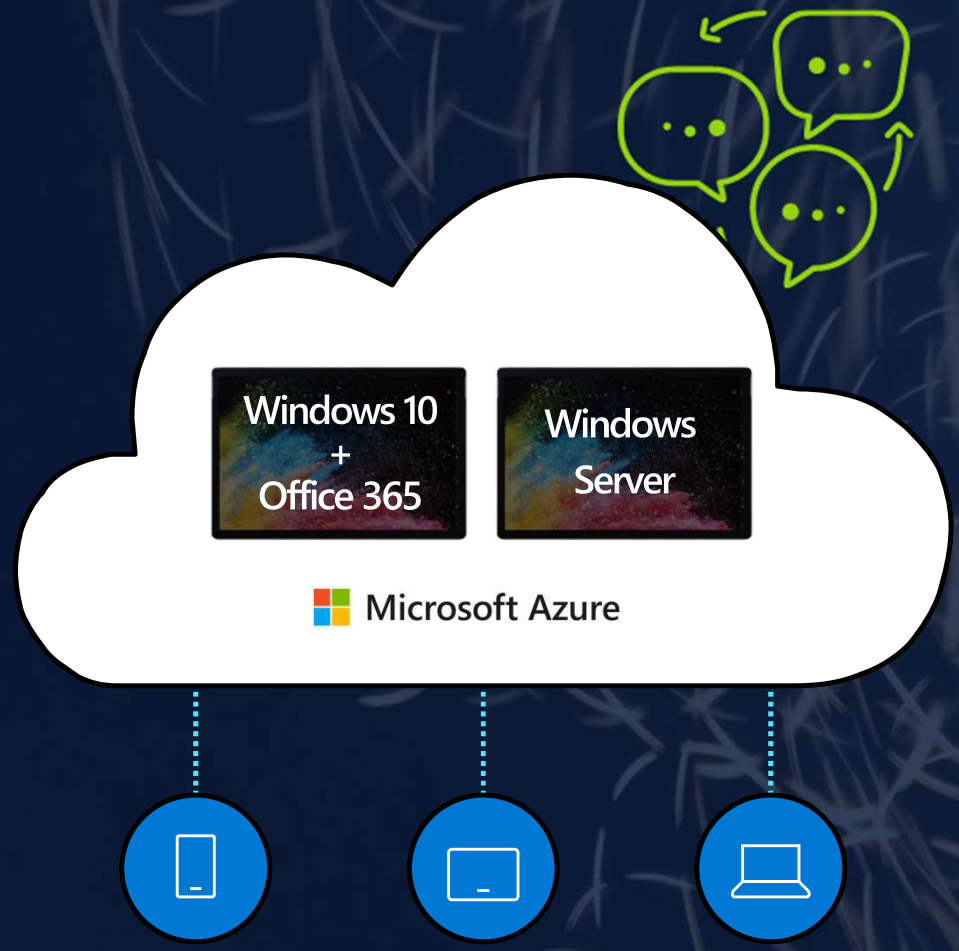
Azure Virtual Desktop

AVD DISCUSSION SERIES SESSION 1 - INTRO TO AVD

Azure Virtual Desktop

The best virtual desktop experience, delivered on Azure

- Deliver the only multi-session Windows 10 experience
- Enable optimizations for Microsoft Office 365
- Migrate Windows Server (RDS) desktops and apps
- Deploy and scale in minutes



AVD DISCUSSION SERIES SESSION 1 - INTRO TO AVD

AVD DISCUSSION SERIES SESSION 1 - INTRO TO AVD

Azure Virtual Desktop benefits

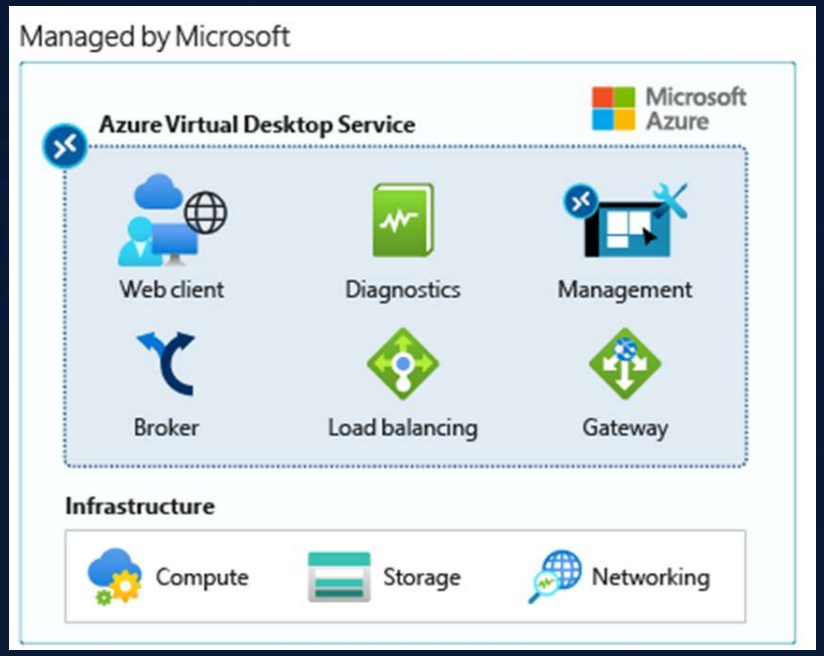
- Enables a multi-session Windows 10 experience, optimized for Office 365 ProPlus
- Supports Windows Server (2012R2 and up)
- Flexible service allowing you to virtualize both desktops and apps
- Windows 7 virtual desktop with free Extended Security Updates
- Integrated with the security and management of Microsoft 365

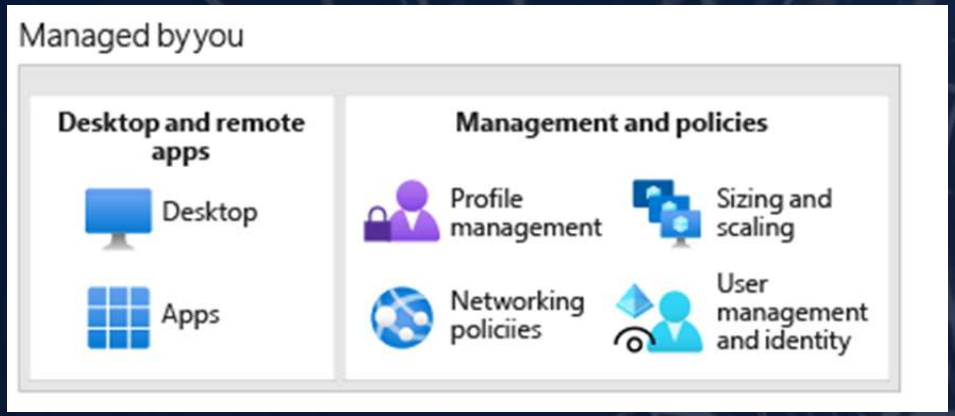
AVD DISCUSSION SERIES SESSION 1 - INTRO TO AVD

Traditional VDI vs Azure Virtual Desktop

Traditional VDI/RDS	Azure Virtual Desktop	
Entitlement	Entitlement	Managed by you
Brokering	Image Management	
Image Management	Brokering	Managed by Microsoft
Licensing	Licensing	
Maintenance	Maintenance	
Network	Network	
Servers/Storage	Servers/Storage	
Hosting	Hosting	

What do I manage?

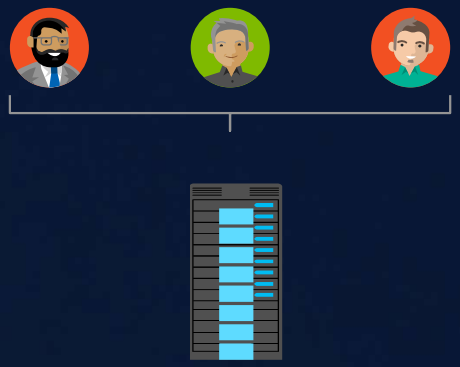




AVD DISCUSSION SERIES SESSION 1 - INTRO TO AVD

Pooled vs Personal

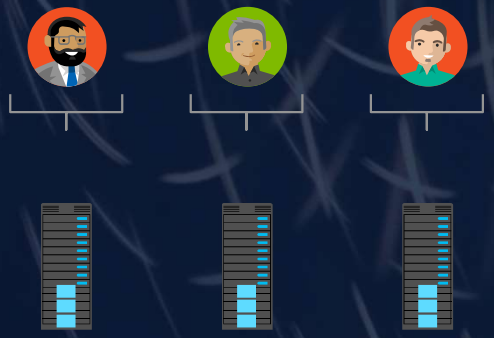
Pooled desktops



Utilization

- Multi-session users and certain single-session with light – medium workloads with basic business requirements
- Choose the right VM to run most business apps

Personal desktops



Utilization

- Single-session users with heavy performance requirements
- Choose the right VM SKU to run apps like CAD, SAP and others
- Persistent experience

Use cases

Security and regulation

Financial Services

Healthcare

Government

Elastic workforce

Mergers and acquisition

Short term employees

Contractor and partner access

Specific employees

BYOD and mobile

Call centers

Branch workers

Specialized workloads

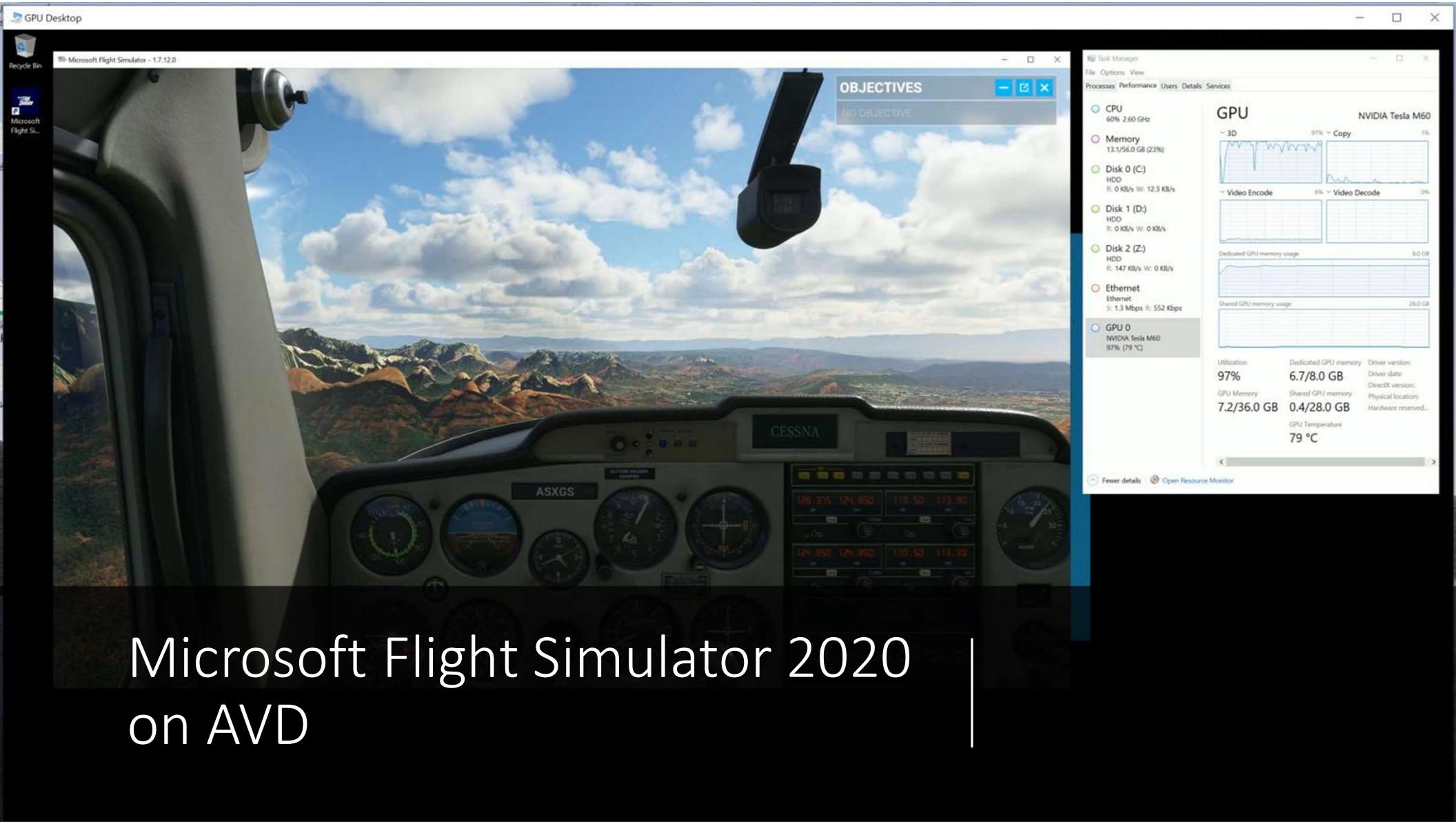
Design and engineering

Legacy apps

Software dev test

GPU rendering

AVD DISCUSSION SERIES SESSION 1 - INTRO TO AVD



Microsoft Flight Simulator 2020 on AVD

AVD DISCUSSION SERIES SESSION 1 - INTRO TO AVD

Microsoft provides end to end security for Your virtual desktops

Identity

MFA, Conditional Access

Devices

Endpoint protection

Networking

Reverse Connect

Firewall

Infrastructure

Secure hardware,

Compliance certification

Data

Data access policies,

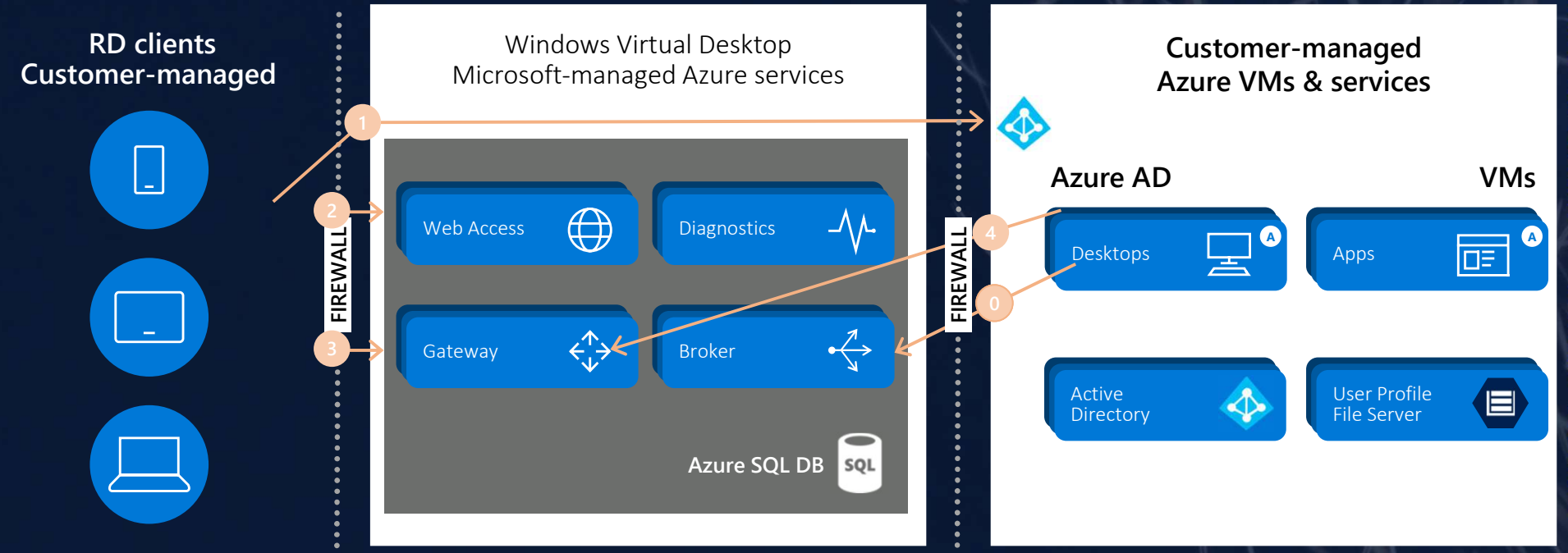
Encryption

SIEM

User Connection Flow

0. The AVD agent on the VM connects to the AVD managed service.
1. User launches the AVD client which connects to Azure AD, user signs in, and Azure AD returns token
2. AVD client presents token to Web Access, Broker queries DB to determine resources authorized for user
3. User selects a Desktop or RemoteApp, AVD client connects to Gateway
4. Broker orchestrates connection from host agent to Gateway

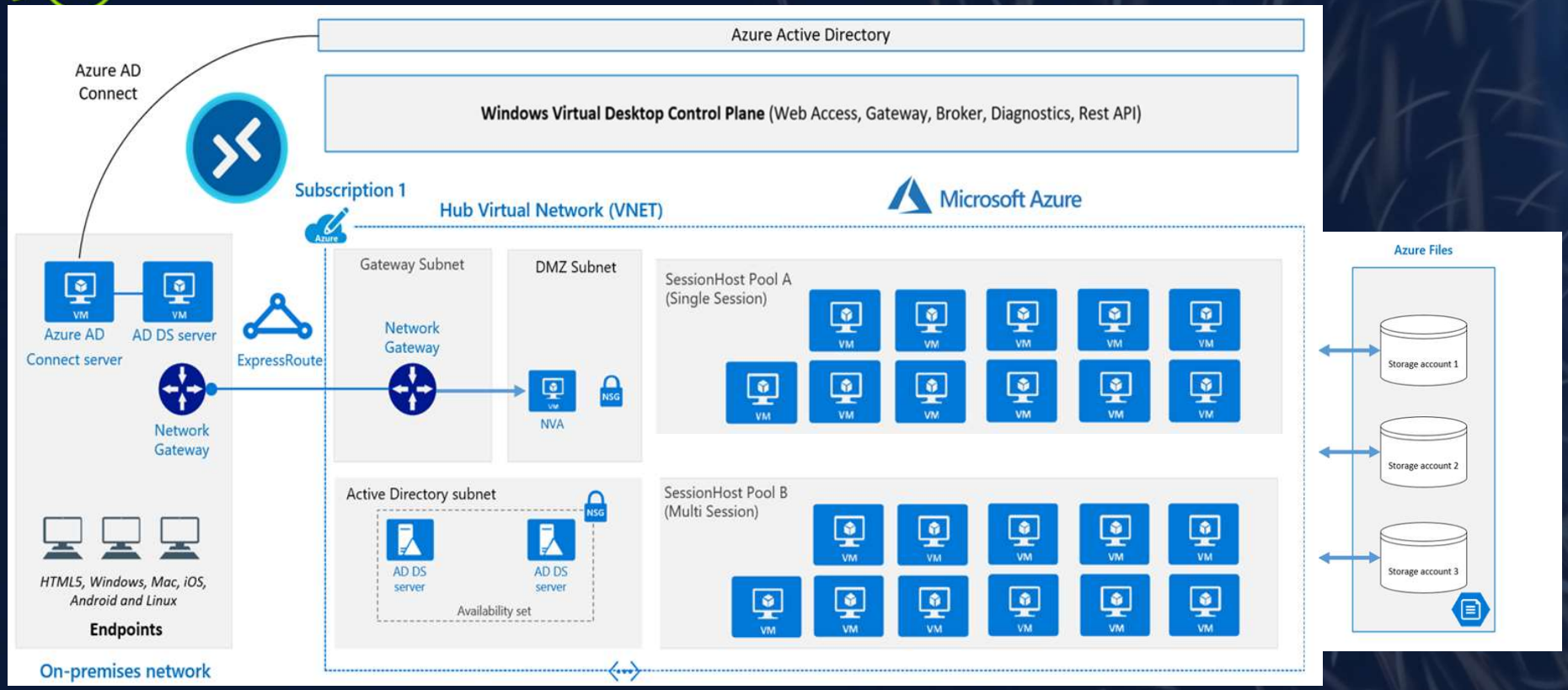
RDP traffic now flows between RD client and session host VM over connections 3 and 4



AVD DISCUSSION SERIES SESSION 1 - INTRO TO AVD

AVD DISCUSSION SERIES SESSION 1 - INTRO TO AVD

AVD Architecture Overview



Azure Infrastructure Pre-requisites to Deploy AVD

AVD DISCUSSION SERIES SESSION 1 - INTRO TO AVD

Azure subscription

Azure Active Directory

Determine your identity strategy

- AD
- AAD DS
- Azure AD

All associated Azure resources in one region

- Image
- Virtual Network
- Storage

Required credentials

- Azure AD
- AD Domain join account
- Subscription Contributor

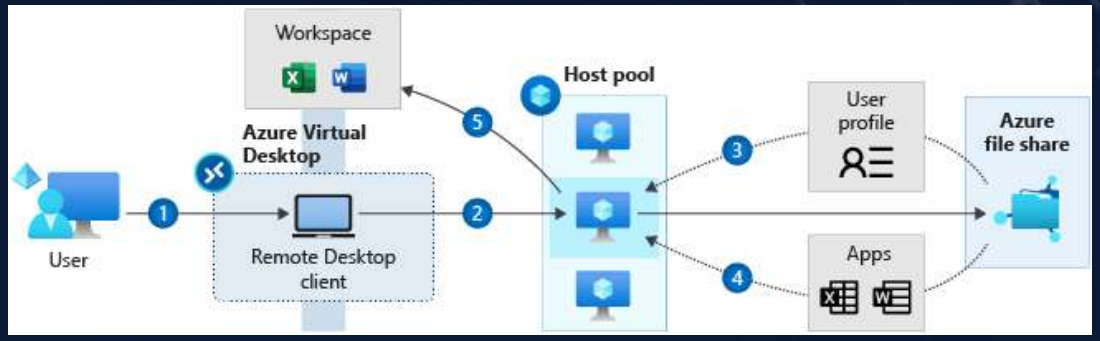
FSLogix

Optimize profile containers
Faster login and application launch times than roaming profiles and folder redirection.

Pick from multiple storage options
Store profile containers in Azure files/NetApp Files/File server clusters

Hide applications
Hide installed applications based on user / group permissions and rule sets

Java control
Allows you to assign a specific version of Java to a website/URL



Are you eligible?

Windows 10 + Windows 7

Customers are eligible to access Windows 10 single and multi session and Windows 7 with Windows Virtual Desktop (WVD) if they have one of the following licenses:

Microsoft 365 E3/E5
Microsoft 365 A3/A5/Student Use Benefits
Microsoft 365 F3
Microsoft 365 Business
Windows 10 Enterprise E3/E5
Windows 10 Education A3/A5
Windows 10 VDA per user

Windows Server

Customers are eligible to access Server workloads with Windows Virtual Desktop (WVD) if they have one of the following licenses:

You are eligible to access Windows Server 2012 R2 and newer desktops if you have a per-user or per-device RDS CAL licence with active Software Assurance (SA).

Pay only for the virtual machines (VMs), storage, and networking consumed when the users are using the service

AVD + Citrix and VMware

Engage with your partner to deploy Windows Virtual Desktop with Citrix and VMware account teams

AVD DISCUSSION SERIES SESSION 1 - INTRO TO AVD

PC
Phone
Tablets
Thin client

FIREWALL

Windows Virtual Desktop

Microsoft

WVD Management

CITRIX

Citrix Cloud Management*

vmware

VMware Horizon Management**

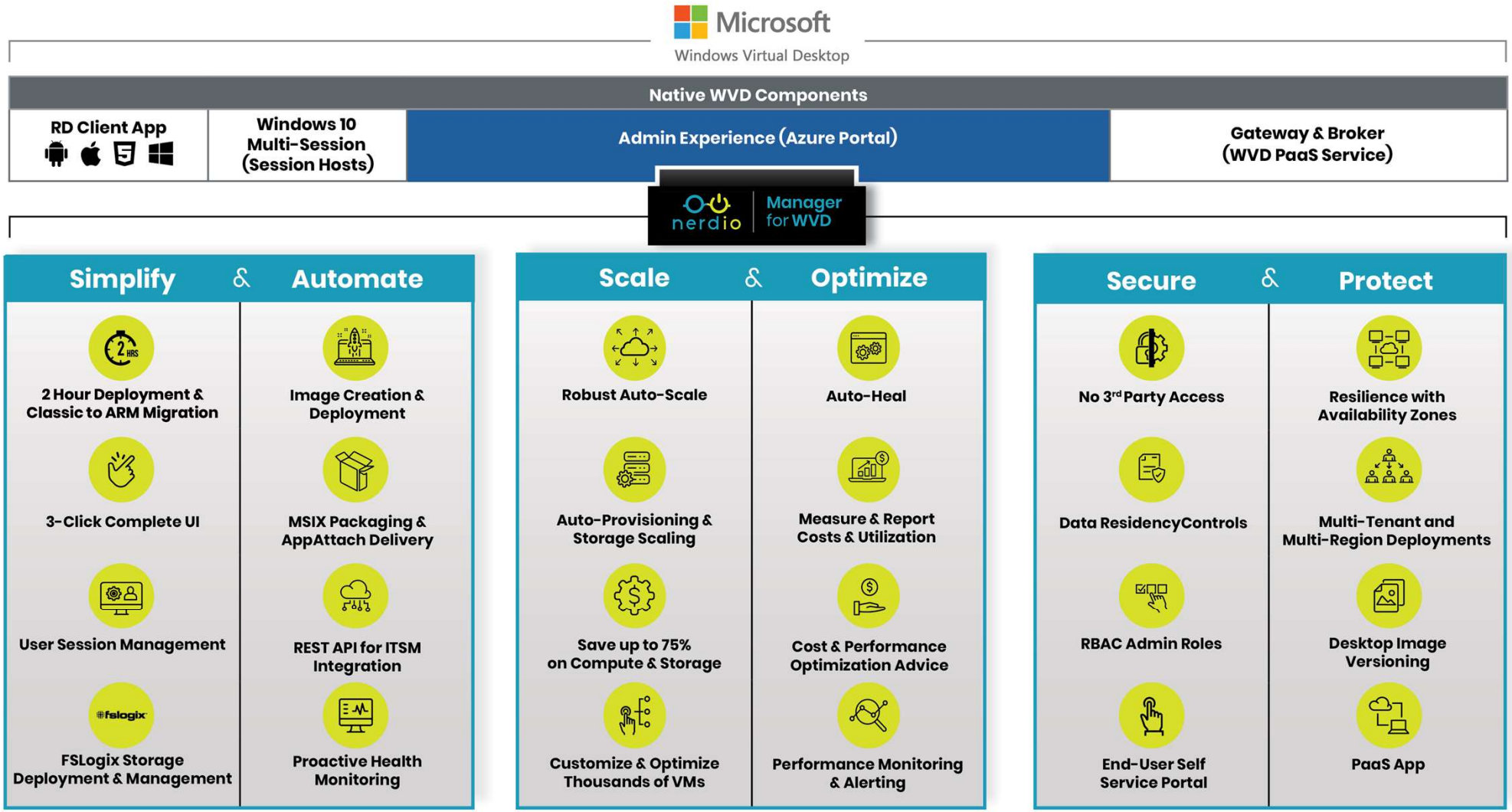
FIREWALL

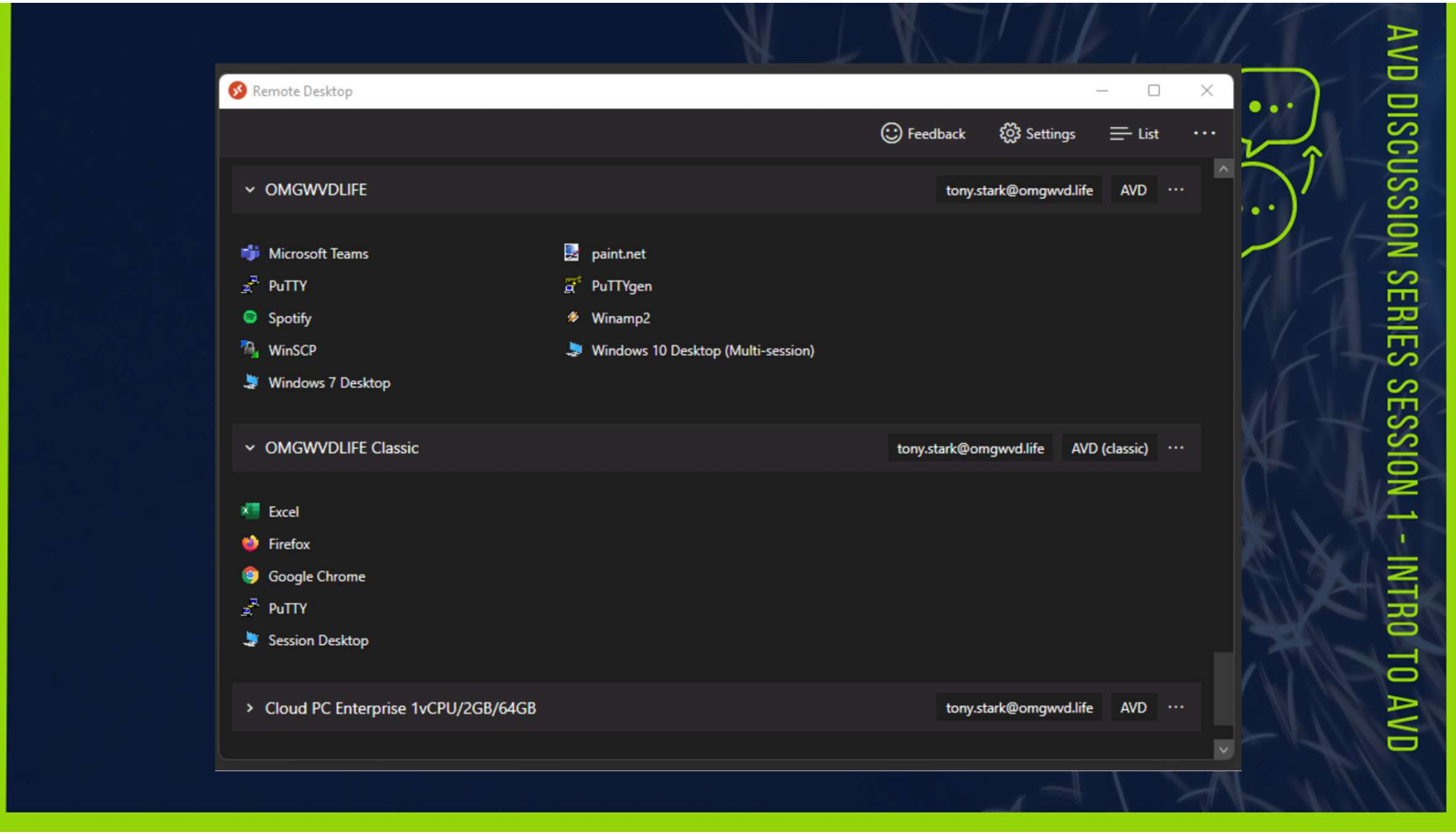
Azure VMs & Services

*Requires Citrix Cloud service management plane that runs on Azure. Agent installed must be the 1909 or later release to be eligible for WVD

**Requires VMware Horizon Cloud on Azure

Nerdio Manager for Enterprise extends native AVD admin experience




Remote Desktop
Feedback
Settings
List
OMGWVDLIFE
tony.stark@omgwvd.life
AVD
Microsoft Teams
PuTTY
Spotify
WinSCP
Windows 7 Desktop
paint.net
PuTTYgen
Winamp2
Windows 10 Desktop (Multi-session)
OMGWVDLIFE Classic
tony.stark@omgwvd.life
AVD (classic)
Excel
Firefox
Google Chrome
PuTTY
Session Desktop
Cloud PC Enterprise 1vCPU/2GB/64GB
tony.stark@omgwvd.life
AVD
AVD DISCUSSION SERIES SESSION 1 - INTRO TO AVD

Questions?

UPCOMING SESSIONS

AVD DISCUSSION SERIES SESSION 1 - INTRO TO AVD

- ✓ **Session 2:** FSLogix Profiles & Apps | **TUESDAY 19 APRIL 2022**
- ✓ **Session 3:** Storage best practices & NetApp Files | **TUESDAY 3 MAY 2022**
- ✓ **Session 4:** Nerdio Automation | **TUESDAY 17 MAY 2022**
- ✓ **Session 5:** AppAttach & MSIX | **TUESDAY 31 MAY 2022**
- ✓ **Session 6:** Economic Assessment - building a business case | **TUESDAY 14 JUNE 2022**
- ✓ **Session 7:** AVD Cost Analysis & Charge backs | **TUESDAY 28 JUNE 2022**
- ✓ **Session 8:** Series Finale - AVD best Practices | **TUESDAY 12 JULY 2022**

CUBESYS

WELCOME TO

AVD DISCUSSION SERIES

SESSION 1 - INTRO TO AVD | 5 APRIL 22

Thank you