



Azure Virtual Desktop – Your device on Cloud

A guide for the organizations
looking for a transformation

Points to Discuss

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Overview - AVD

02

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Innovation

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Security – At Its
Highest

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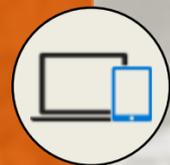
An Overview

Let's have a look at what 'Azure Virtual Desktop' comprised of.

One solution,
designed for your
business



Anywhere on Any Device



One-Click Accessibility



Save Cost with Pay as You Go



Highly Secure and Scalable

Azure Virtual Desktop

A comprehensive, highly-secure desktop and app virtualization service running in the cloud

Cut costs with the only virtual desktop infrastructure that provides multi-session Windows 10.

Offer a personalized, role-based experience for individual users with single-session deployment.

Gain an environment optimized for Microsoft 365 Business Premium including familiar Office apps and Microsoft Teams.

Seamlessly run existing line-of-business software, Microsoft 365 productivity tools, and apps from Microsoft Store in the same desktop.



A comprehensive desktop experience in the cloud



Optimized costs



End-to-end security



Modern remote
experience



Simplified
management



Notable Feature 1

“Deliver the only multi-session Windows 10 experience”

Provide your users with the only multi-session Windows 10 experience virtualized in the cloud that's highly scalable, always up to date, and available on any device.

- ✔ Multi-session and single-session Windows 10
- ✔ Store and legacy app remoting
- ✔ Free Windows 7 Extended Security Updates

1



Notable Feature 2

“Enable optimizations for Microsoft 365.”

Deliver the best Microsoft 365 experience with multi-session virtual scenarios to provide the most productive virtualized experience to your users.

- ✔ Microsoft 365 containers make Office more performant in a multi-session environment including Outlook and OneDrive for Business support
- ✔ Profile containers enable faster and more performant experience in non-persistent environments

2



Notable Feature 3

“Migrate existing Windows Server (RDS) desktops and apps.”

Migrate your Remote Desktop Services (RDS) environment for Windows Server desktops and apps with a simplified infrastructure management and deployment experience on Azure.

- ✔ Support for Windows Server 2012 and Remote Desktop Services 2012R2 and newer
- ✔ App compatibility for existing Windows Server images used on-prem

3



Notable Feature 4

“Deploy and scale in minutes.”

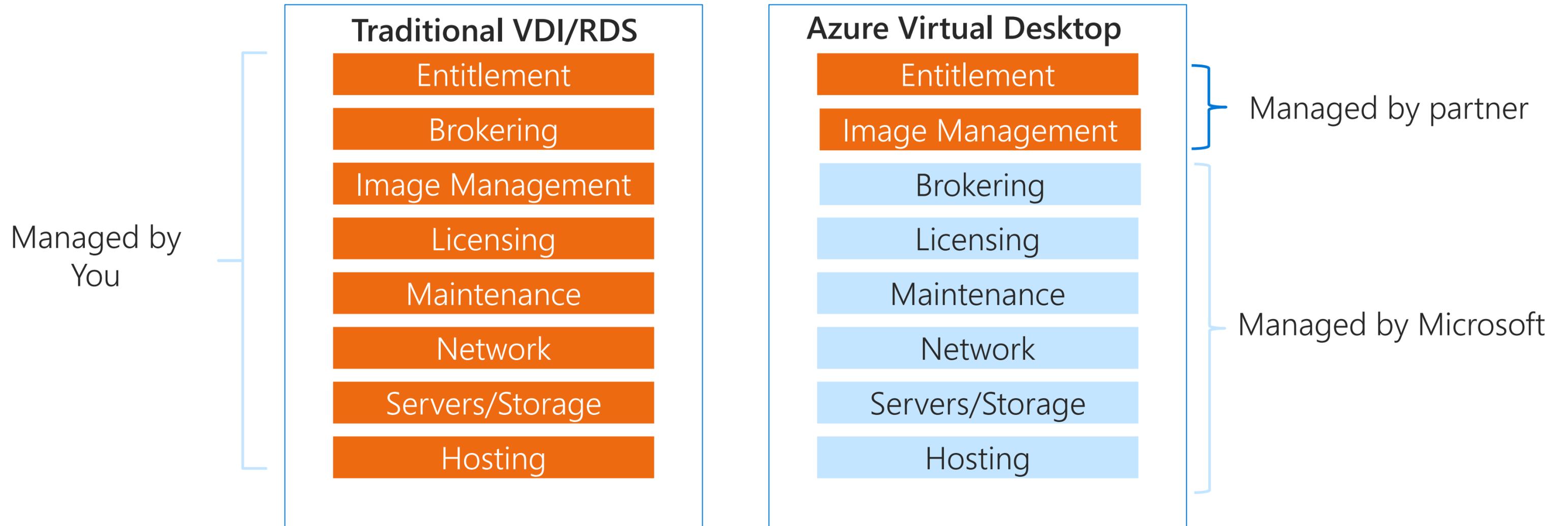
Quickly virtualize and deploy modern and legacy desktop app experiences in minutes with unified management in the Azure portal.

- Azure has datacenters available in 54 regions, and 140 countries
- Azure management portal for Azure Virtual Desktop
- Built in security and compliance (Windows and Azure)

4



Traditional VDI/RDS vs. Azure Virtual Desktop



02

FSLogix

A great innovation in the field of user profile management.

User profile management with FSLogix



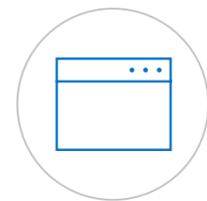
Optimize profile containers

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



Pick from multiple storage options

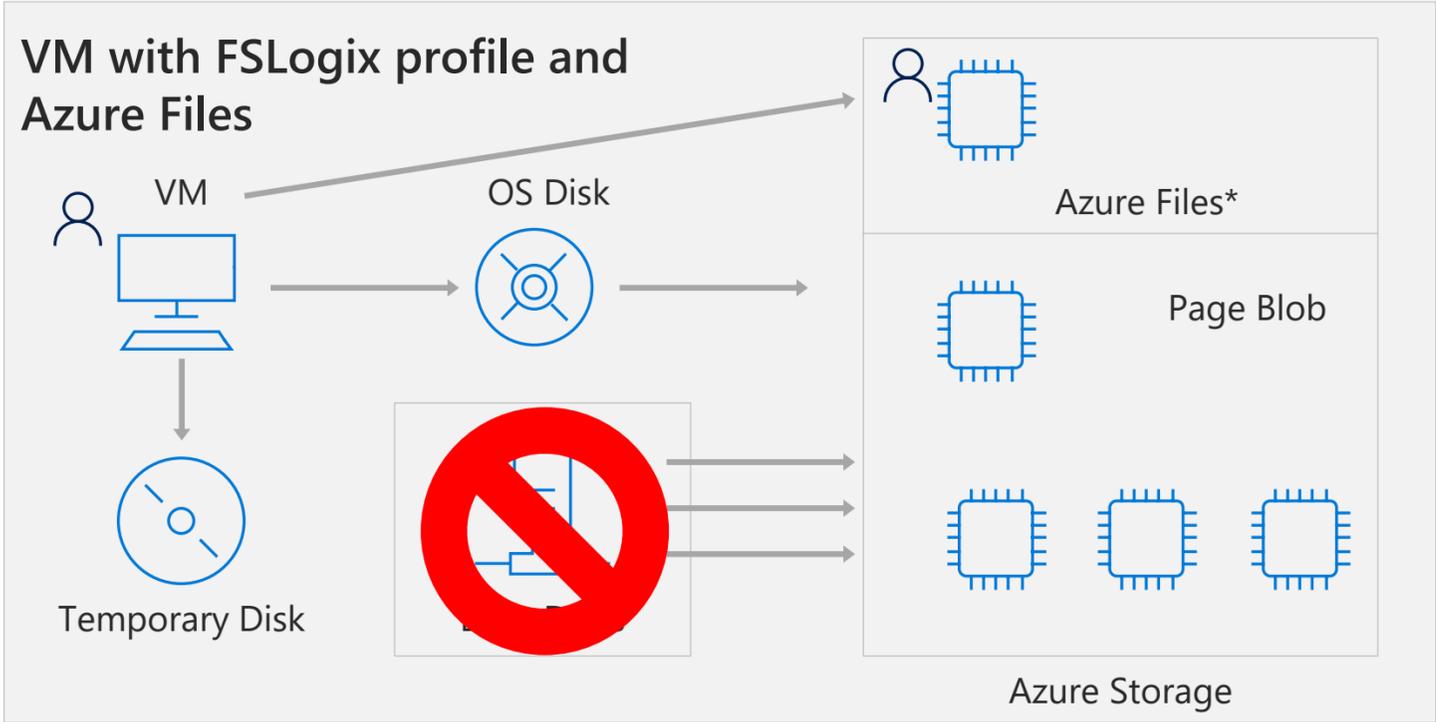
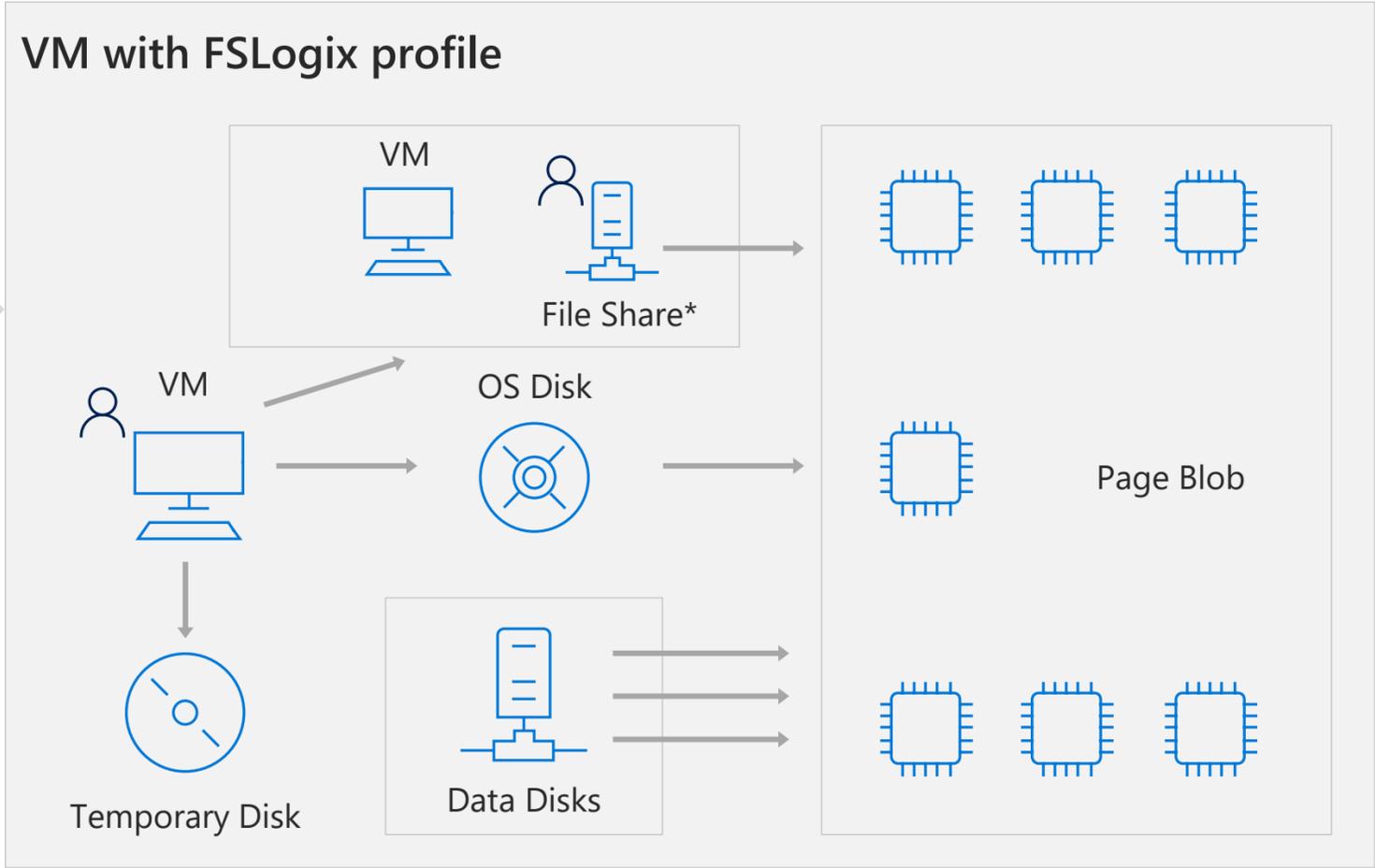
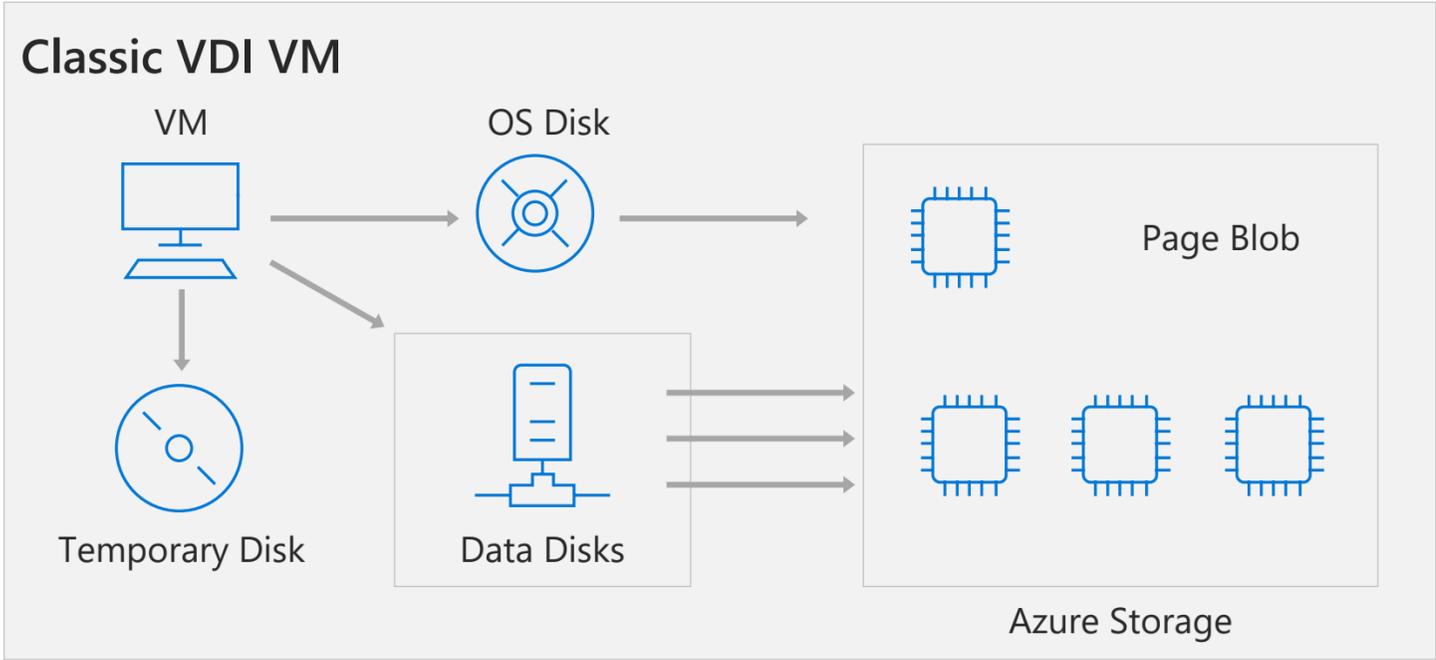
Store profile containers in Azure files/NetApp Files/File server clusters



Migrate existing user profiles

Perform mass conversions of user profiles from various types to FSLogix based profile containers at scale

Storage options in AVD



Dependencies

- On prem AD integration
- Premium Files rollout (overlap in hero regions)
- ✓ AADS integration



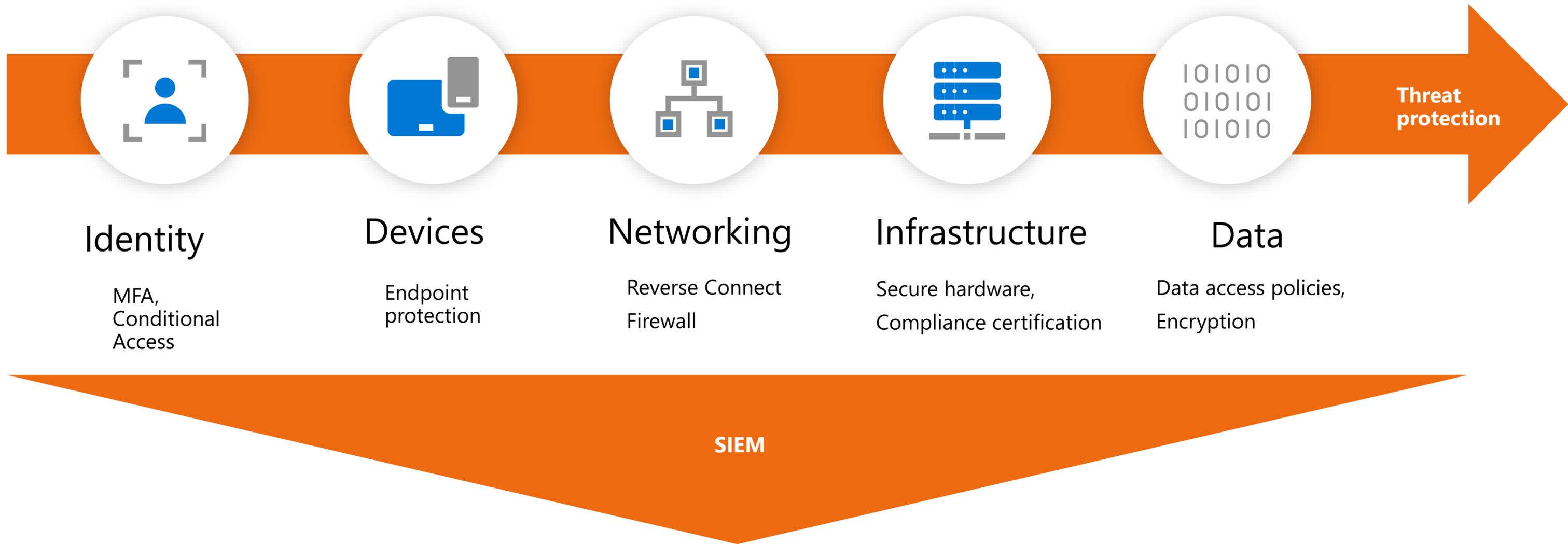
**Security - A
look at the
safety
measures**

03



Secure your
user data and VM's

Microsoft provides end to end security for your virtual desktops



Rely on multi-layered security controls across hybrid environments



Security management

Manage security state of hybrid workloads with a single view



Threat protection

Access cloud-native SIEM and AI-driven security analytics



Identity & access

Unify identity management and secure identities to implement zero trust



App and data security

Encrypt data, and protect keys and secrets used by apps



Network security

Enhance the protection of your virtual networks

Azure Sentinel | Azure Security Center | Azure Active Directory | Azure Key Vault | Azure Firewall & DDoS

Deeper look into Security

Azure AD Security Services



Sophisticated security services easily configured through Azure AD (e.g., MFA, CA, etc.)

Reduced Attack Surface



Reverse connect technology eliminates the need to open inbound ports to the VMs

Granular Access Control



Multiple admins can be assigned role-based access control

Isolated User Sessions



Isolated user sessions in both single and multi-session environments

Built on Azure: Standardized, Global, and Secure Cloud

Standardized

Consistent infrastructure across regions

IaaS

Compute Storage Networking

PaaS

Uniform deployment via serverless architecture

Serverless Platform

Containers Microservices Integration services

Purpose-built, **standardized infrastructure** across geos
Modernized workloads for **simplified deployment**

Global



Largest geographical footprint of any cloud provider with more than **60 Azure regions**

Secure



Microsoft Cyber Defense Operations Center

>3,500 full-time security professionals

6.5 trillion global signals daily

\$1 billion annual cybersecurity investment

Benefits

04

A quick glance over the multitude of benefits that Azure Virtual Desktop brings forth.



Multi session Windows

First ever service to run multiple sessions on a single virtual machine, with better utilization and significant cost saving.



Bring in your existing License

No need to buy a new Windows license if you have an appropriate existing subscription. Make full use of Azure Hybrid Benefits.



Scale up to 1000s of machines across globe

No matter how many users you have, wherever on the globe, AVD got them covered, with virtually unlimited sessions.



Setup new machines in seconds

Set up a new user with all the company policies and configuration with complete security within seconds without hassle.



No-outages only work

Lay rest to the worries of system malfunction and shut down. It is always an active machine for the continued work.



Built-in Security tools

Very smart and intelligent built-in security tools for the proactive detection and mitigation of any underlying threat.



Free of local device

Enable the workforce to be more mobile and freer by working from any device of their choice without worrying about data or access leakage.



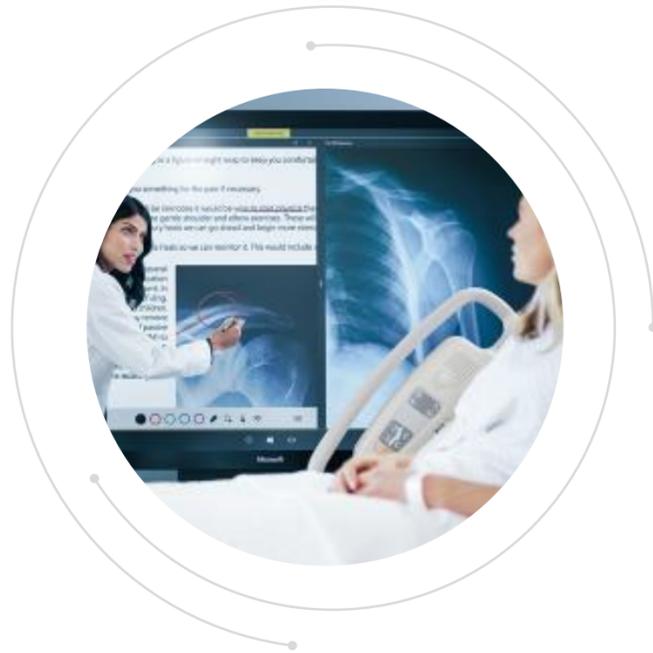
Easier Management of complete Landscape

Manage all the users' workspaces and configuration from a central location. Push changes and approved updates with a click.

Use Cases

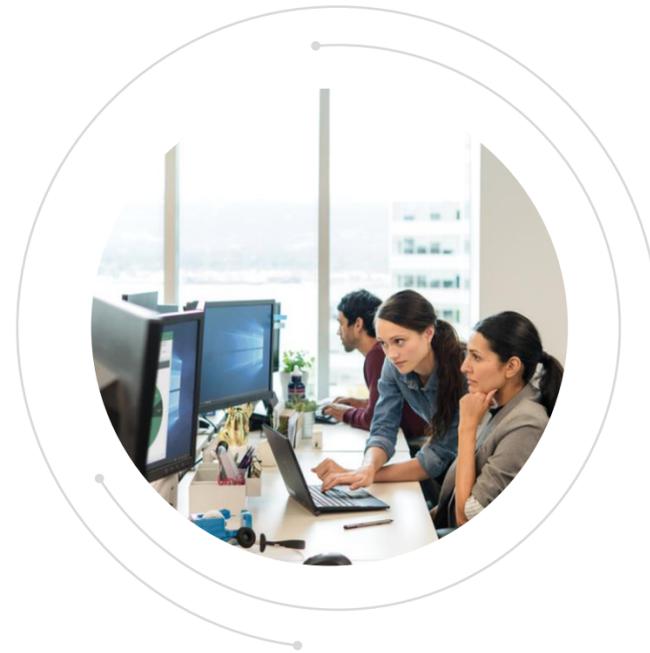
05

Why do you need Azure Virtual Desktop ?



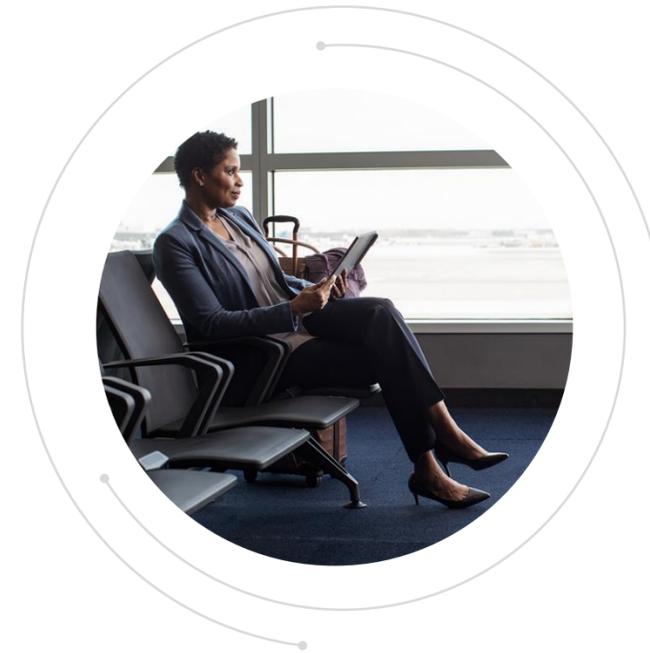
Security and regulation

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

Practical use of a practical solution.

Remote Workforce

As the world moves towards a more agile and remote workforce, the utility of a cloud-based VDI has started to show up increasingly. AVD allows for a highly secure and available workplace that enables people to work from anywhere at any time using the device of their choice. All they need is a computer with active internet.

Shift Workers

Why tussle with the hassle of providing physical machines to all the users working in different shifts, onboard all of them on pre-scheduled machines and save huge amounts of money. You only pay for the time users use their workspaces, thereby, increasing the economic efficiency.

Contract Users

Setting up user devices that will remain in the system for only a short period of time can be long and untidy work for IT. Configuring all the applications and policies consumes a lot of time that could be used for better things. AVD make it much easier for us and help us configure those devices within seconds, automatically.

All Industry Inclusive

Azure enjoys the most regulation certification from any industry than any other world-renowned platforms. No matter which industry you come from, AVD can help you be fully certified and compliant in your usage.

Big Computation on fly

Use as big of a computer as your task requires without having to be hooked to a large CPU. Just sit anywhere and have the power of big sized machines at your disposal to carry out the most intensive work be it designing, analytics or big programs.

Rapidly Growing Workforce

Given the high influx of new talents in the organization, the job for the IT to just keep up with the on-rolling of the new devices and users gets incredibly difficult. It takes away the eyes from every other aspect of the IT that is just as much, if not more, important as this, setting up grounds for some unfavourable IT hysteria.

06

Case Studies

See how this solution has been delivering wonders around the globe in all verticals.



Customer:
FIS

Industry:
Banking and Capital Markets

Size:
10,000+ employees

Country:
United States

Products and services:
Microsoft 365
Microsoft Azure
Azure Virtual Desktop
Windows 10

[Read full story here](#)



“Microsoft and Azure provide a really compelling value proposition. Microsoft is growing faster than its competitors, and I think Azure Virtual Desktop is just going to add fuel to the fire.”

—Warren Street, Senior Vice President of Cloud Services, FIS

Situation:

FIS needed a new remote work infrastructure that would enhance existing Microsoft 365 investments and serve as anchor for a broader cloud-native replatforming effort. The arrival of COVID-19 and a period of lockdown kicked those plans into high gear.

Solution:

FIS deployed Azure Virtual Desktop to provide an in-office work environment to remote and at-home users. Within a week, the solution was supporting some 6,000 users with around 1,500 concurrent Azure Virtual Desktop instances.

Impact:

Azure Virtual Desktop is now provisioned globally to employees in all business functions. It's driving greater efficiency, simplifying administration, lowering costs, and freeing FIS staff to concentrate on their core financial services competencies.



Customer:
Ashford and St. Peter's Hospitals NHS Foundation Trust

Industry:
Health provider

Size:
1,000–9,999 employees

Country:
United Kingdom

Products and services:
Microsoft Azure
Azure Virtual Desktop
Microsoft Defender Antivirus
Microsoft 365 Enterprise

[Read full story here](#)



“With Azure Virtual Desktop, it’s all done for us in the cloud. Devices automatically get the latest and greatest updates, and we don’t have to worry about it. Before, we were patching computers daily.”

—Morné Beck, Head of IT, Ashford and St. Peter's Hospitals NHS Foundation Trust

Situation:

When the COVID-19 crisis hit, the Trust had to quickly enable approximately 350 employees to work from home, but the cost and delay of procuring computers for these workers were prohibitive.

Solution:

It took less than four weeks for the Trust's IT partners to deploy the Azure Virtual Desktop solution so employees could work remotely.

Impact:

The Trust saved about £340,000 (USD442,000) on hardware and £3,500 on software costs that it would have spent to deploy laptops, along with 80 percent of the IT time needed to manually configure and update company-managed devices.

Imperial College London

Customer:
Imperial College London

Industry:
Higher Education

Size:
8,000 employees

Country:
United Kingdom

Products and services:
Microsoft 365
Microsoft Teams
Microsoft Whiteboard
Microsoft Azure
Microsoft Azure Lab Services
Microsoft Azure Virtual Desktop
Microsoft FastTrack for Azure
Windows 10 Enterprise

[Read full story here](#)



“We can have four or more users on one virtual machine, which means we only need 100 VMs in our pool. That’s one-quarter of what we’d need without Azure Virtual Desktop. This lets us be quite cost-efficient and far more scalable.”

—Neil Hanham, Digital Workplace Lead, Imperial College London

Situation:

During the COVID-19 lockdown, Imperial College London had to provide 20,000 students remote classes and access to 450 proprietary apps installed on 3,500 on-campus computers.

Solution:

Imperial uses Microsoft Azure Virtual Desktop for remote learning and Windows 10 Enterprise multi-session for high utilization of virtual machines (VMs), pooling four users per VM. Instructors configure special computer environments using Azure Lab Services.

Impact:

Imperial provides remote learning in a Windows desktop environment that students can access regardless of their locations or device types. Using only one-quarter of the VMs normally required, it raises utilization while lowering compute costs.

Pricing – Let's work this out.

Even though the final pricing can only be found out after listening to your unique requirement. Following are the fundamental components that contribute to your monthly bill.

VMs selected as per the usage.

Storage to store all your data.

Networking for nicely architected design.

Windows 10 license with remote access.

Other components may be configured solely as per your approved design.



NEXT STEPS

01

Drafting the Proposal

02

Implementing the Azure Virtual
Desktop

03

Adopting to Modern Virtual
Working Technology



THANK YOU

Let us know if you have
any questions

[Call today and get a solution](#)

Phone Number

+91 11 4576 8059

Email Address

connect@mismosystems.com

Website

www.mismosystems.com