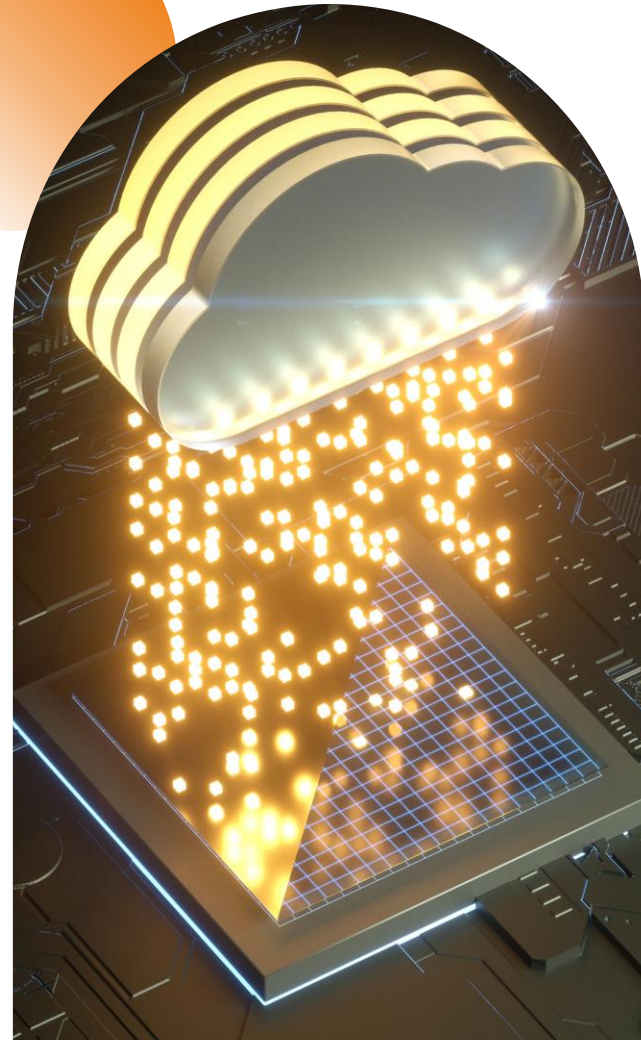# Azure Virtual Desktop- Your device on the cloud

Solution Overview

Transform your work experience with Azure Virtual Desktop—your device in the cloud. Access applications securely, collaborate seamlessly, and scale effortlessly while enjoying enhanced productivity and simplified IT management.

Azure Virtual Desktop

What is Azure Virtual Desktop?

Azure Virtual Desktop is a cloud-based solution that enables secure and scalable remote desktop access. It offers centralized management, multi-session capabilities, enhanced security, and seamless integration with Microsoft 365 apps for an optimized virtual desktop experience.

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

Azure Virtual Desktop

Azure Windows 10 Microsoft 365

01

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

02

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

03

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

04

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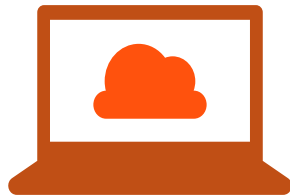
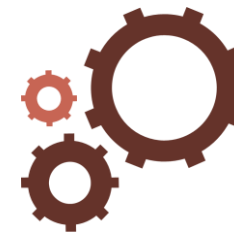# A comprehensive desktop experience in the cloud

Optimized Costs

End-to-end security

Modern remote experience

Simplified management

Why should you be buying it?

Cost savings combined with better user experience and business agility

70%
cost savings
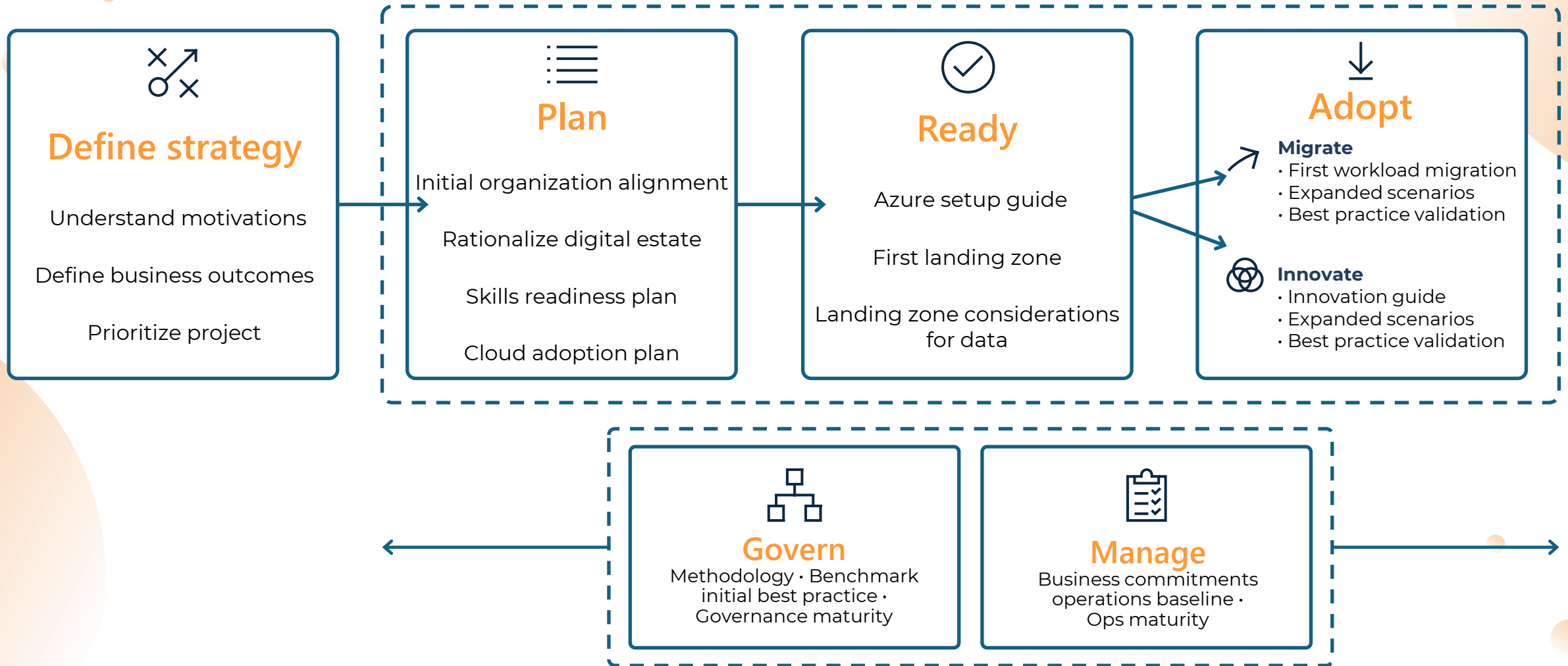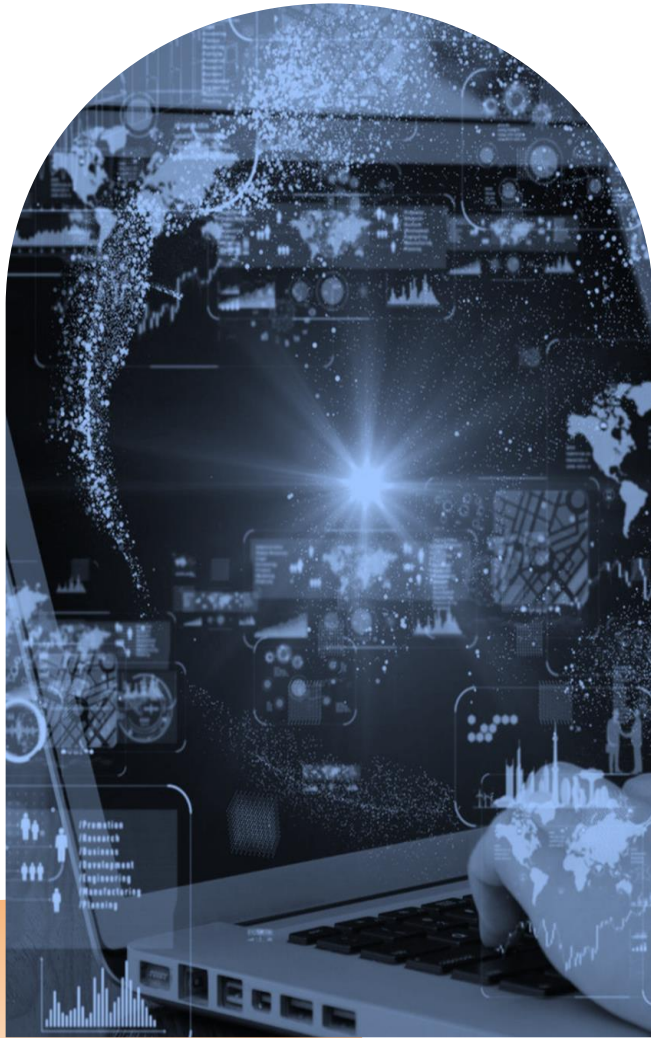
Infrastructure

60%
cost savings

licensing

60%
cost savings

deployment and
management

Microsoft Cloud Adoption Framework for Azure

Define strategy
- Understand motivations
- Define business outcomes
- Prioritize project

Plan
- Initial organization alignment
- Rationalize digital estate
- Skills readiness plan
- Cloud adoption plan

Ready
- Azure setup guide
- First landing zone
- Landing zone considerations for data

Adopt

Migrate
- First workload migration
- Expanded scenarios
- Best practice validation

Innovate
- Innovation guide
- Expanded scenarios
- Best practice validation

Govern
Methodology · Benchmark initial best practice · Governance maturity

Manage
Business commitments operations baseline · Ops maturity

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**

"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**

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**
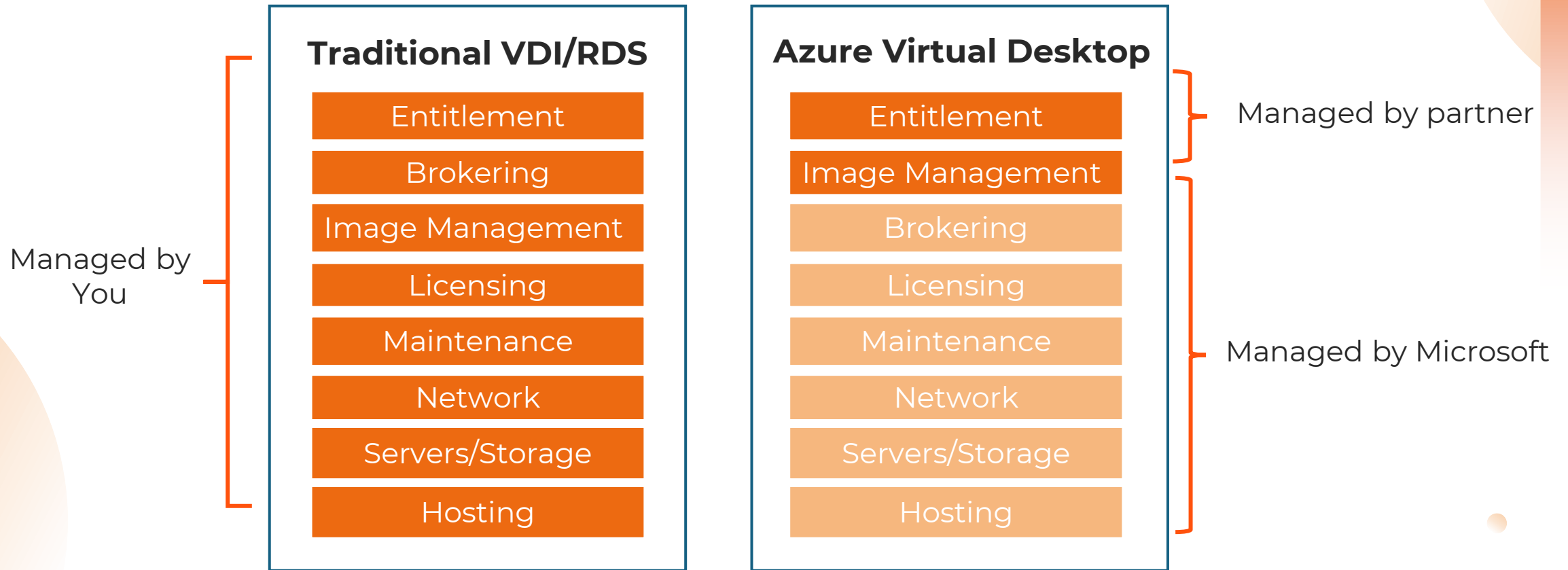
Notable Feature 4

"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 data centers available in 54 regions, and 140 countries**
- **Azure management portal for Azure Virtual Desktop**
- **Built in security and compliance (Windows and Azure)**

# Traditional VDI/RDS vs. Azure Virtual Desktop

Traditional VDI/RDS

- Entitlement
- Brokering
- Image Management
- Licensing
- Maintenance
- Network
- Servers/Storage
- Hosting

Managed by You

Azure Virtual Desktop

- Entitlement
- Image Management
- Brokering
- Licensing
- Maintenance
- Network
- Servers/Storage
- Hosting

Managed by partner

Managed by Microsoft

User profile management with FSLogix

Optimize profile containers
Faster login and application launch times than roaming profiles and folder redirection.
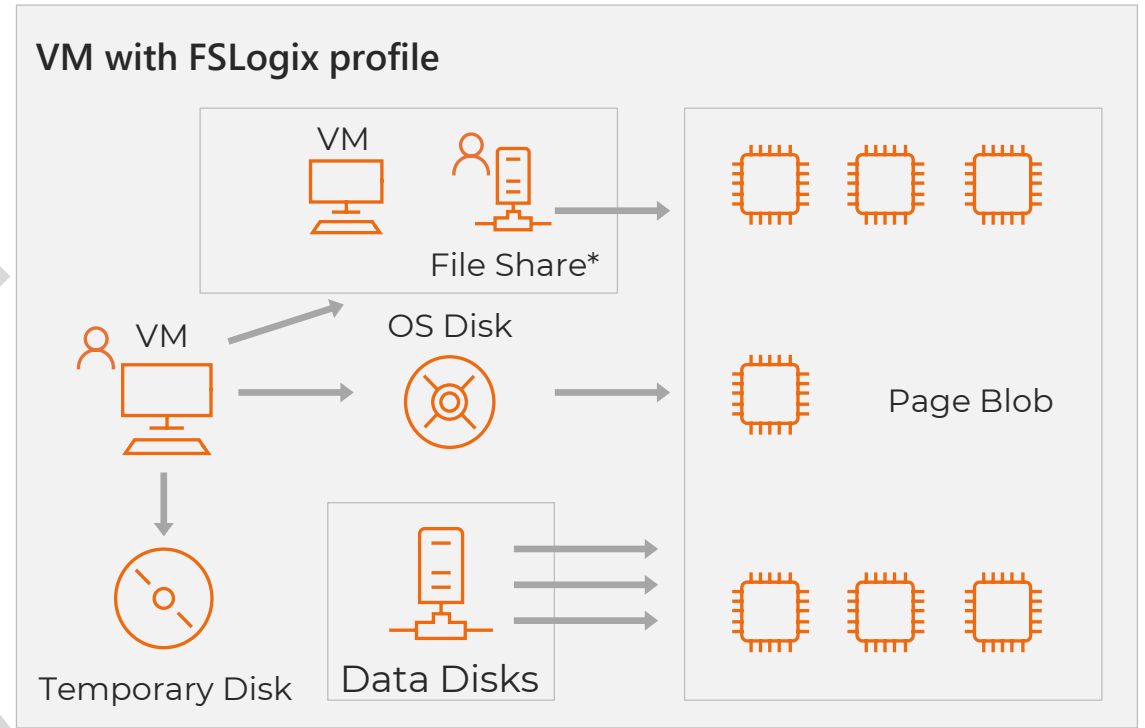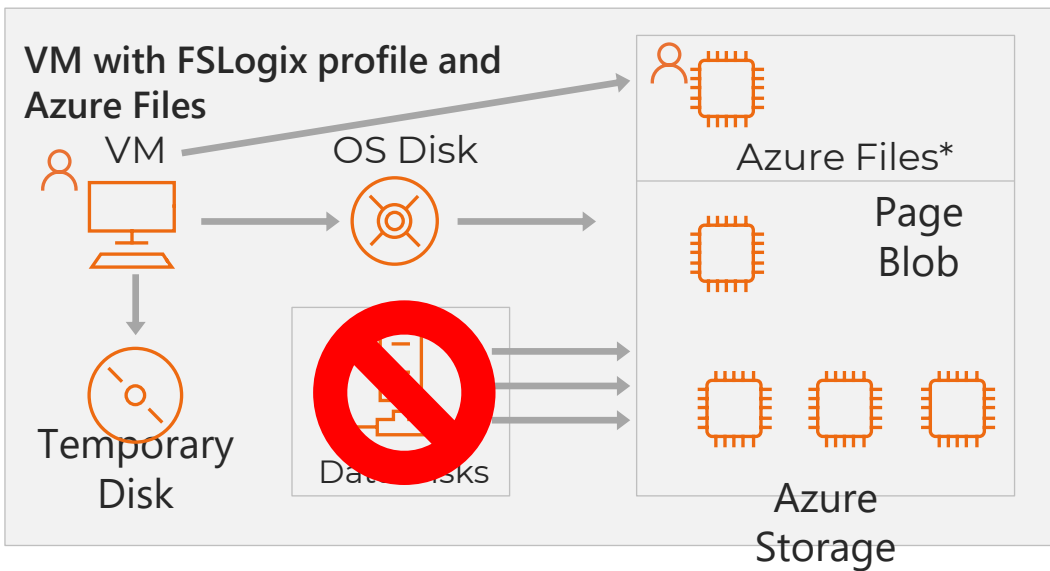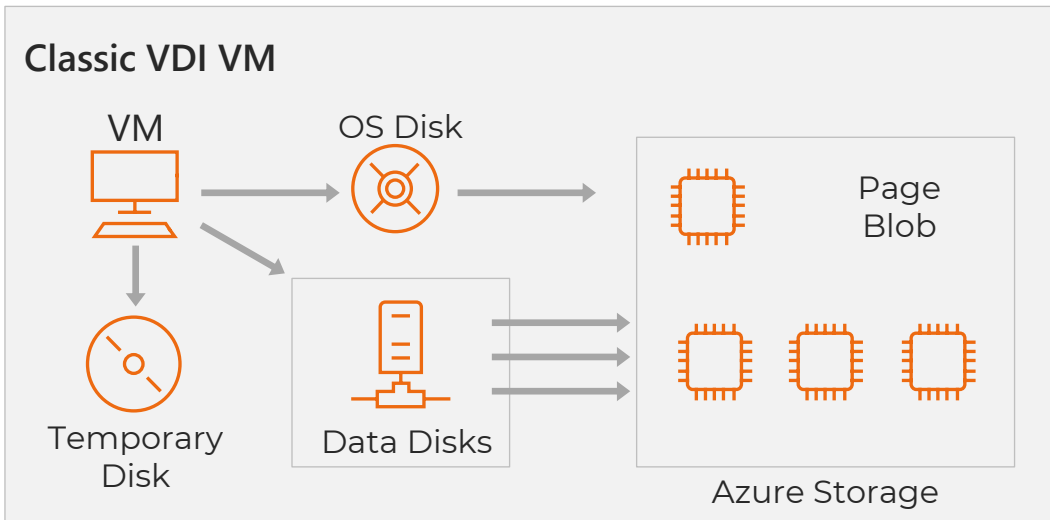
Pick from multiple storage options
Store profile containers in Azure files/NetApp Files/File server clusters
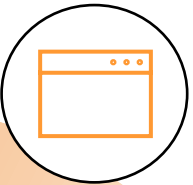
Migrate existing user profiles
Perform mass conversions of user profiles from various types to FSLogix based profile containers at scale
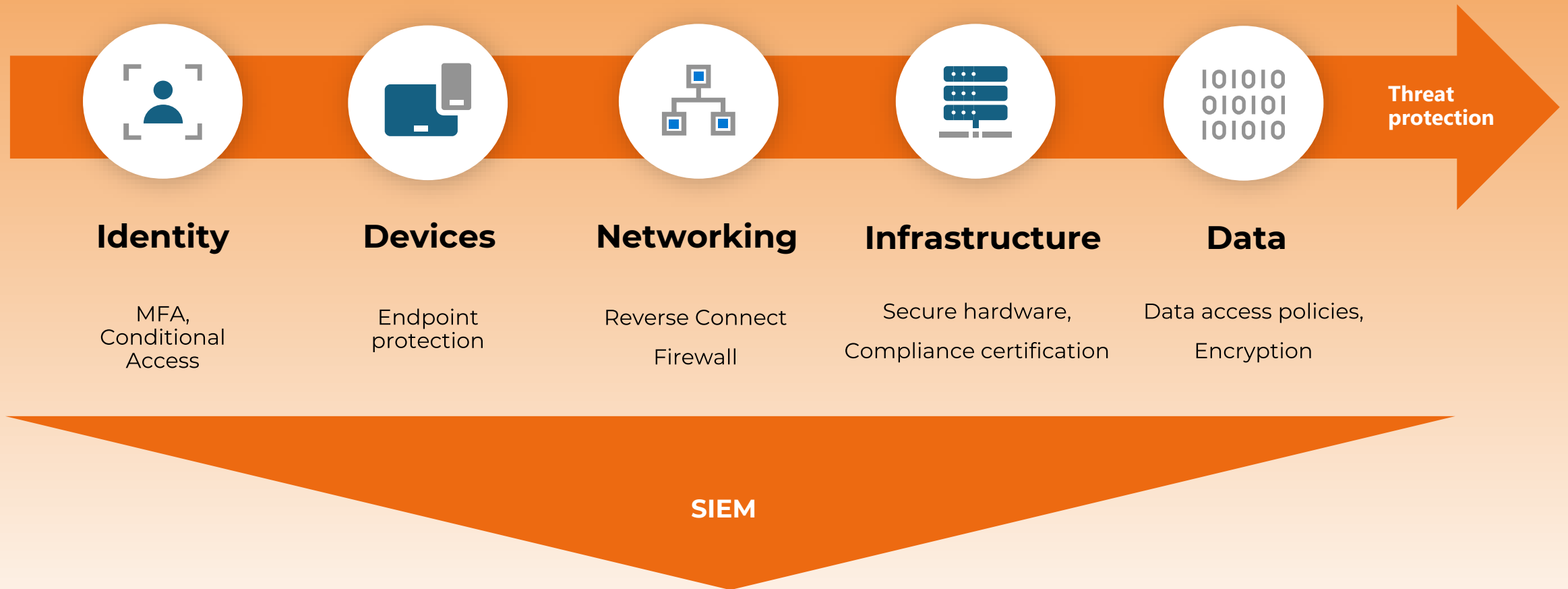
Storage options in AVD

Classic VDI VM

VM → OS Disk → Page Blob

VM → Data Disks → Azure Storage

Temporary Disk

VM with FSLogix profile

VM → File Share*

VM → OS Disk → Page Blob

Temporary Disk → Data Disks

VM with FSLogix profile and Azure Files

VM → OS Disk → Azure Files*

Page Blob

Temporary Disk → Data Disks → Azure Storage

Dependencies

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

Secure your
user data and VM's

# Microsoft provides end-to-end security for your virtual desktops

Threat protection

Identity

MFA, Conditional Access

Devices

Endpoint protection

Networking

Reverse Connect Firewall

Infrastructure

Secure hardware, Compliance certification

Data

Data access policies, Encryption

SIEM

Rely on multi-layered security controls across hybrid environments

Security management

Manage security state of hybrid workloads with a single view
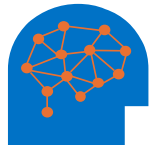
Threat protection

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

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.

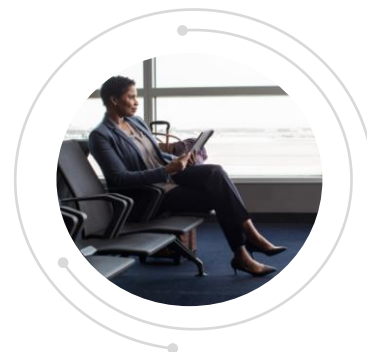# USE CASES

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.

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.

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.

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.

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.

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.

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.

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

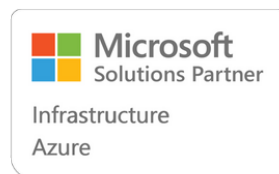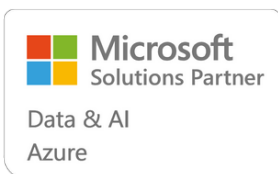**03** Adopting to Modern Virtual Working Technology

About Company

Mismo Systems is a leading Technology Consulting and Software company with over 8+ years of experience in delivering cutting-edge solutions and services in the field of Software Engineering and Cloud.

Driving Innovation Through Partnership

We blend our extensive expertise with Microsoft's advanced solutions to craft results that not only meet our customers' specific needs but also drive transformative outcomes.
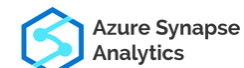
Global Success and Proven Track Record

With a proven track record of delivering exceptional results, we serve clients worldwide, helping them achieve their business goals through tailored solutions.

Expertise as a Microsoft Solutions Partner

Our Solutions Partner designation from Microsoft reflects our commitment to delivering exceptional results in Azure Infrastructure, Azure Data & AI, and Modern Work.

Expertise in Azure and Data Solutions

Enable us to deliver innovative solutions that optimize data management, analytics, and cloud integration, empowering businesses to make informed decisions and drive growth.

Microsoft Solutions Partner — Data & AI Azure

Microsoft Solutions Partner — Infrastructure Azure

Microsoft Solutions Partner — Modern Work

Power BI | Microsoft Fabric | Azure Synapse Analytics

Azure Data Factory | Azure Data Lake | Azure

Thank You

Over the years, we have helped many organisations to digitally transform business processes, drive insights from business data and implement an efficient, secure, and scalable IT Infrastructure using the power of technology innovations. We are eager to connect with you and add value.

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