



# Microsoft Azure Virtual Desktop (AVD)

Gold  
Microsoft Partner



## Planning & Implementation Workshop



# Virtualization makes IT simpler to manage and less costly to own and operate

- ✓ Increased IT agility, flexibility, and scalability
- ✓ Significant cost savings
- ✓ Greater workload mobility
- ✓ Increased performance and availability of resources
- ✓ Ability to automate operations

Gold  
Microsoft Partner



# Azure Virtual Desktop

The best virtual desktop experience, delivered on Azure



Gold  
Microsoft Partner



Covered by the Azure Migration Program, ensuring the most cost-effective, frictionless way to move to the cloud



**Deliver the only multi-session Windows 10/11 experience**



**Enable optimizations for Microsoft 365 Apps for Enterprise**



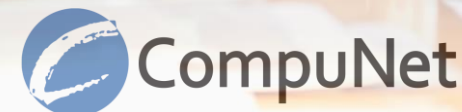
**Migrate Windows Server (RDS) desktops and apps**



**Deploy and scale in minutes**



**Address hybrid requirements and existing solutions**





# Optimize your desktop virtualization experience to leverage the power of a modern cloud



Expand capabilities  
with the best  
virtualized end-user  
experience



Realize more  
efficient and  
simplified  
management



Ensure security and  
modernization with  
a standardized,  
global cloud



Significantly reduce  
costs without  
compromising  
quality

Gold  
Microsoft Partner



# Expand capabilities with the best virtualized end-user experience

- ✓ Connect to any platform with an experience just like native
- ✓ Enhance protocol by adapting bandwidth utilization
- ✓ Enable fast VHD load times and log-on times with containerized user profiles
- ✓ Drive stronger collaboration with Teams enhancements

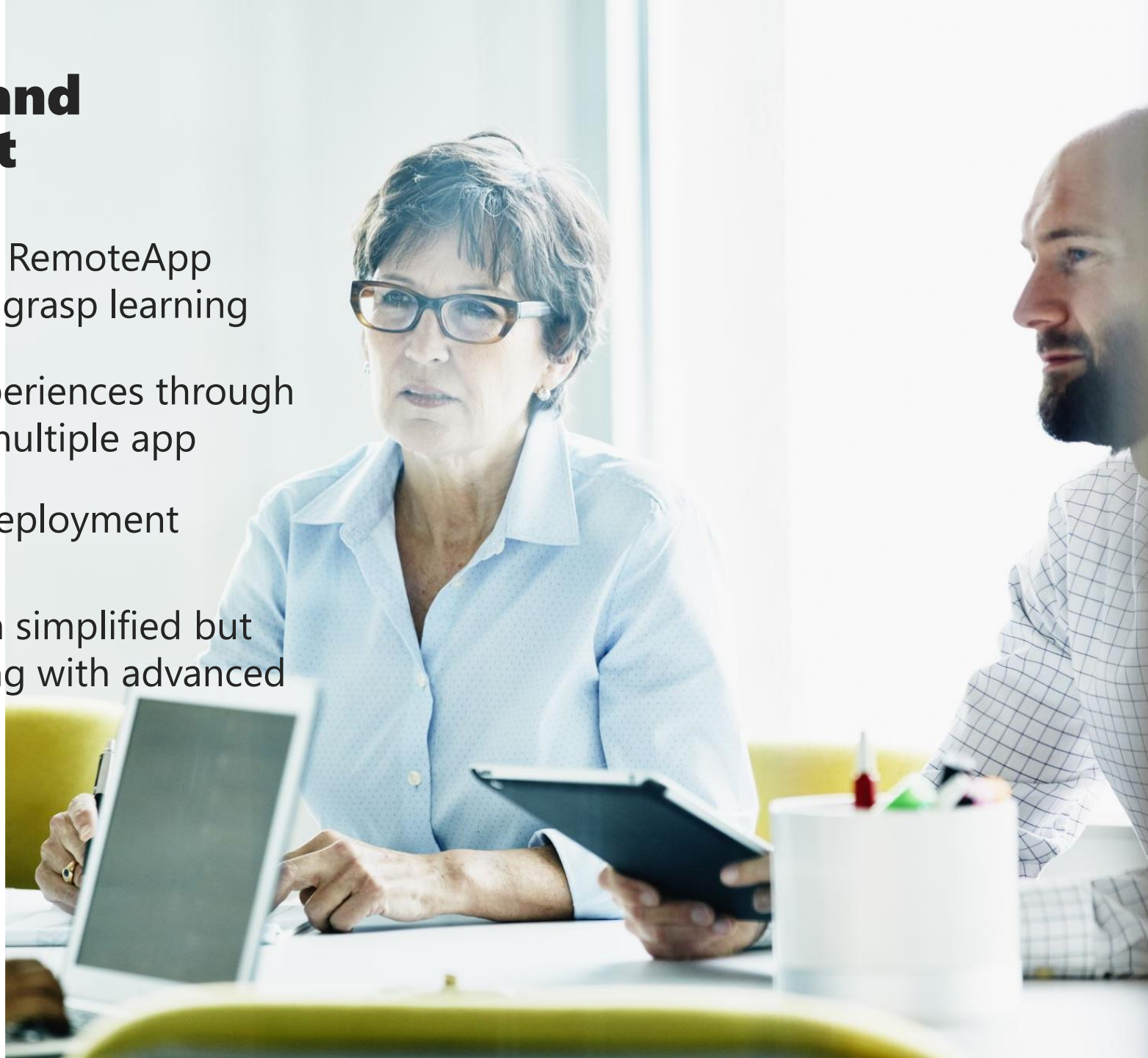
Gold  
Microsoft Partner



# Realize more efficient and simplified management

- ✓ Unify both Desktop and RemoteApp experiences for easy-to-grasp learning
- ✓ Engage flexible user experiences through a single host pool and multiple app
- ✓ Utilize automated VM deployment
- ✓ Solve errors quickly with simplified but powerful troubleshooting with advanced diagnostics

Gold  
Microsoft Partner





# Ensure security and modernization with a standardized, global cloud

- ✓ Reach anyone, anywhere with 54 regions (more than any other cloud provider)
- ✓ Rely on powerful cyber defense operations with over 3,500 full time security professionals
- ✓ Assign role-based access control to admins

Gold  
Microsoft Partner



# Significantly reduce costs without compromising quality

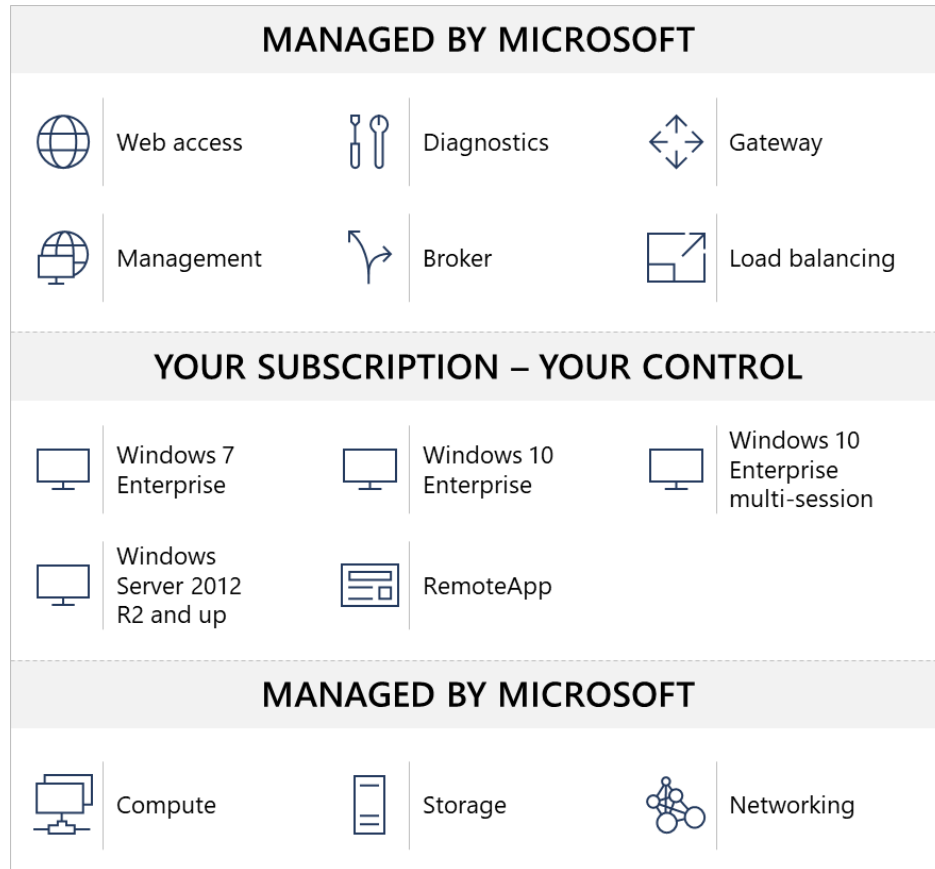
- ✓ Decrease spending to only virtual machines, storage, and networking consumed while using the service
- ✓ Employ the full Windows 10/11 experience at multi-session cost
- ✓ Absorb the licenses you already own to limit spending

Gold  
Microsoft Partner





# High-level Architecture



Gold  
Microsoft Partner



**Provides virtualization infrastructure as a managed service**



**Utilizes Azure Active Directory identity management service**



**Deploy and manage VMs in Azure subscription**



**Manage using existing tools like Configuration Manager**



**Simply connect to on-premise resources**



# Access to Azure Virtual Desktop



## **What are the eligible Windows and M365 licenses to access AVD?**

You are eligible to access Windows 10/11 and Windows 7 with Azure Virtual Desktop if you have one of the following licenses \*

- Microsoft 365 E3/A3
- Microsoft 365 E5/A5
- Microsoft 365 F3 (w/Win10 Enterprise)
- Microsoft 365 Business Premium
- Windows Enterprise E3/E5
- Windows Education A3/A5
- Windows VDA per user

*\* Customers can access Azure Virtual Desktop from their non-Windows Pro endpoints if they have a Microsoft 365 E3/E5, Microsoft 365 A3/A5 or Windows VDA per user license.*



## **What is the eligibility criteria on Remote Desktop Services (RDS) CAL licenses to access Windows Server desktops and apps on AVD?**

You are eligible to access Windows Server 2012 R2 and newer desktops and apps if you have an RDS CAL license with active Software Assurance (SA).

Gold  
Microsoft Partner



# Azure Consumption

- ✓ Pay only for the virtual machines (VMs), storage, and networking consumed when your users are using the service
- ✓ You have the flexibility to pick any VM and storage options to match your use cases
- ✓ Take advantage of options such as [one-year or three-year Azure Reserved Virtual Machine Instances](#), which can save you up to 72% versus pay-as-you-go pricing. Reserved Virtual Machine Instances are flexible and can easily be exchanged or returned

Gold  
Microsoft Partner





# Deliver the only multi-session Windows 10/11 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 10/11
- ✓ Store and legacy app remoting
- ✓ Free Windows 7 Extended Security Updates

Gold  
Microsoft Partner



# Enable optimizations for Microsoft 365 Apps for Enterprise

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

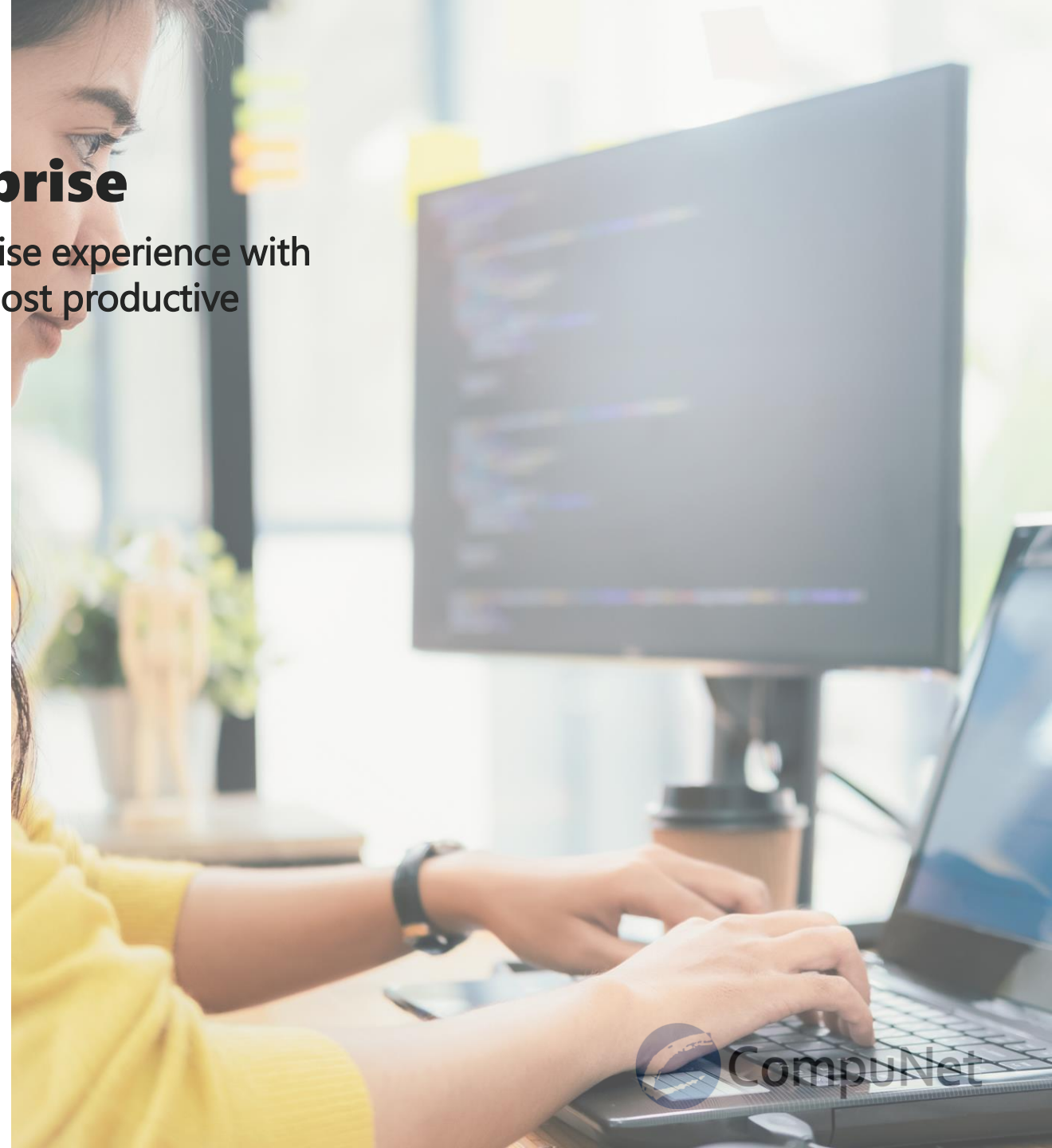


Office 365 containers make Office more performant in a multi-session environment including Outlook and OneDrive for Business support



Profile containers enable faster and more performant experience in non-persistent environments

Gold  
Microsoft Partner



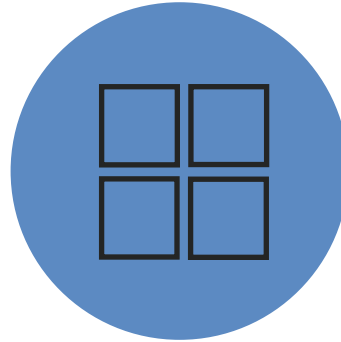
# FSLogix

With the acquisition of FSLogix, eligible customers will get access to three core pieces of technology



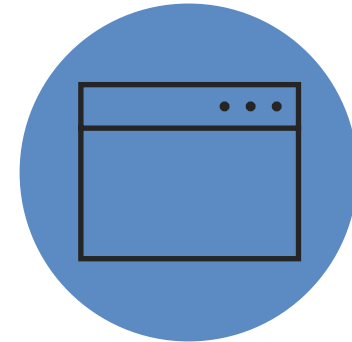
## Profile container

Replacement for roaming profiles and folder redirection, including Office 365 Container, which roams all cache data



## App masking

Allows single image with all applications; excellent app compatibility with no packaging, sequencing, backend infrastructure, or virtualization



## Java redirection

Helps protect the enterprise from vulnerabilities of multiple installed versions of Java by mapping specific versions to individual apps or websites

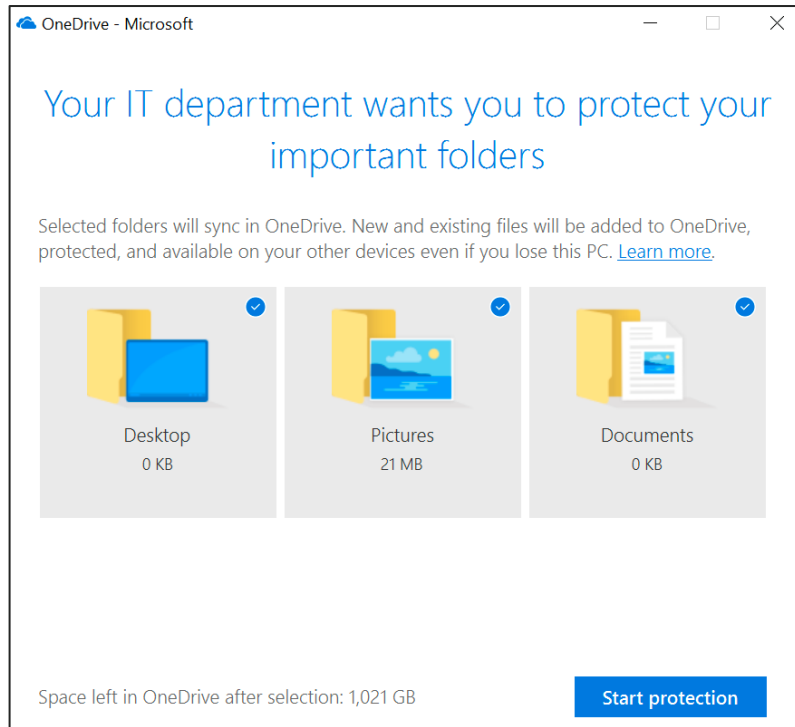
Gold  
Microsoft Partner





# OneDrive for Business

Full support and new virtualization optimizations



Gold  
Microsoft Partner



**OneDrive sync will run in non-persistent environments**



**Co-authoring and collaborative capabilities**



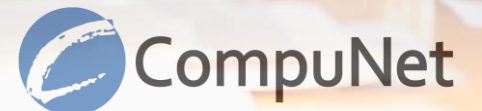
**Files On-Demand capabilities**



**Automatically populate user profile folders**

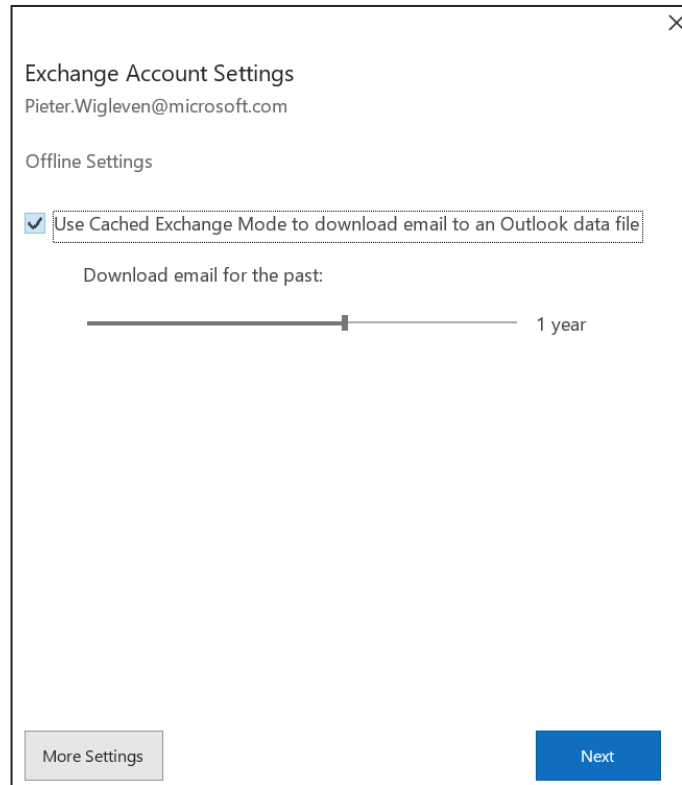


**OneDrive per machine installer**



# Outlook optimizations

Outlook in Apps for Enterprise optimizations



Exchange Account Settings  
Pieter.Wigleven@microsoft.com

Offline Settings

☒ Use Cached Exchange Mode to download email to an Outlook data file

Download email for the past:

1 year

More Settings Next

Gold  
Microsoft Partner



**Sync inbox before calendar for faster startup experience**



**Admin option to reduce calendar sync window**



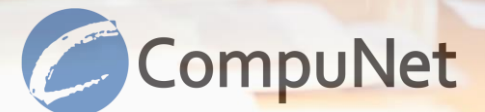
**Reduce the number of folders that are synced by default**



**Windows Desktop Search is now per-user**



**More to come**



# Migrate existing Windows Server (RDS) desktops and apps

Migrate your Remote Desktop Services (RDS) environment or 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

Gold  
Microsoft Partner



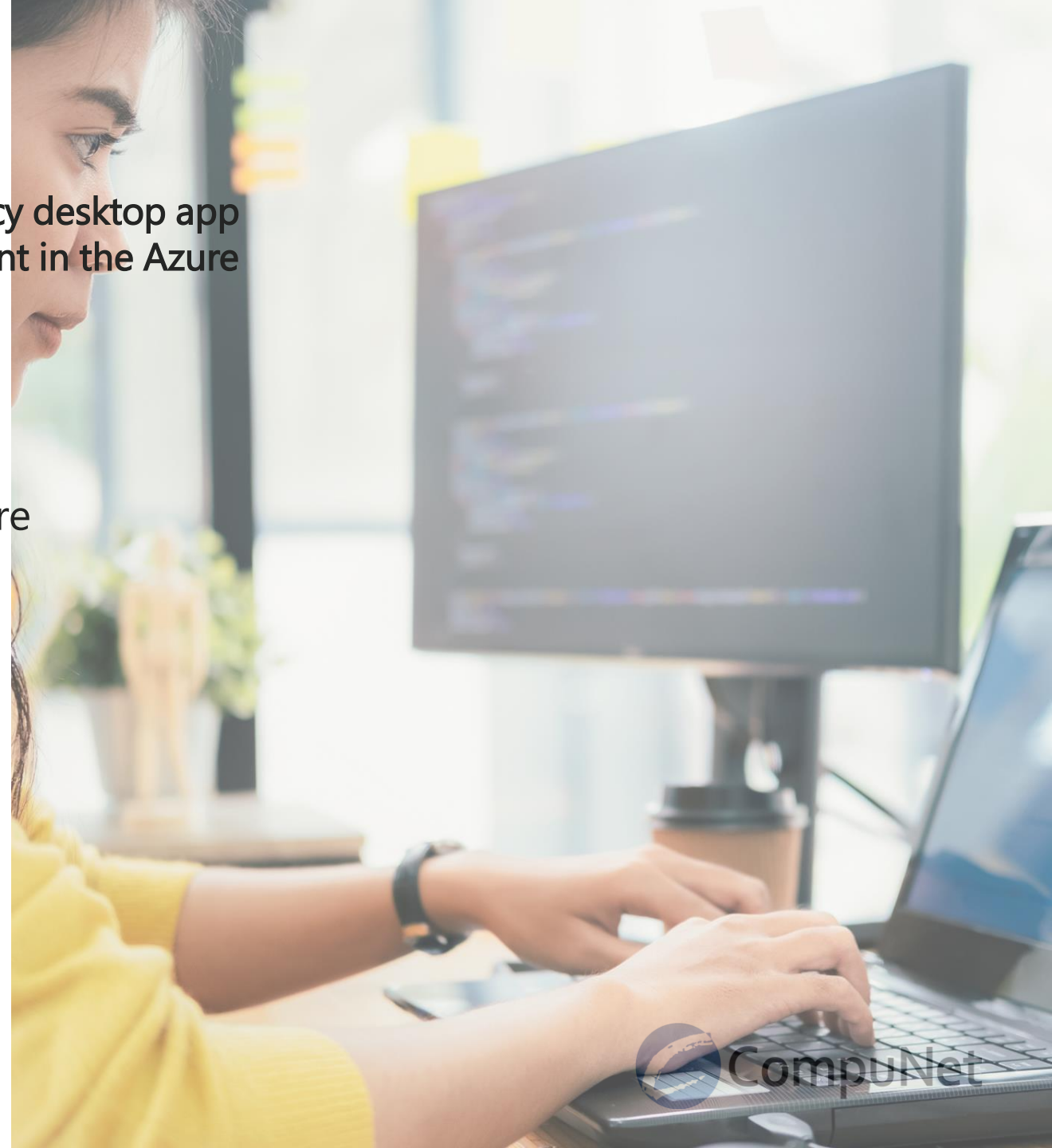


# Deploy and scale in minutes

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 & Azure)
- ✓ Partner ecosystem extensibility (coming soon)

Gold  
Microsoft Partner

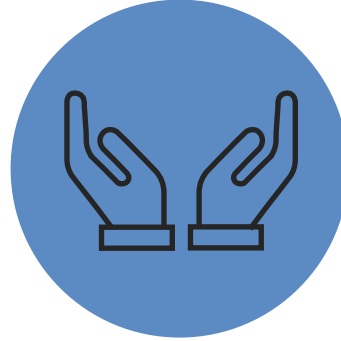


# AVD deployment and management options



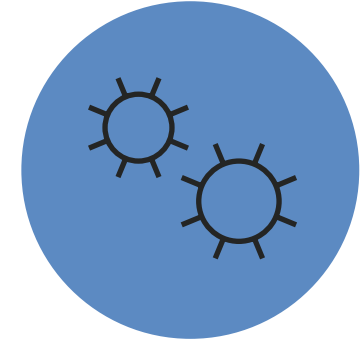
## Deployment

Onboarding will be through Azure Marketplace or through GitHub using ARM templates to deploy new or update existing host pool



## Management

- Azure Portal will enable native integration post GA for deployment and management alongside other Azure services
- Use REST API's to set and manage AVD directly, build complex workflows – sample UI and outlines for customers provided
- PowerShell is the best option for repeatable deployment, Azure integration, and DSC
- Other options include Terraform or partner management solutions



## Hosting partners

Leverage multi-tenancy support to scale the number of customers

Gold  
Microsoft Partner

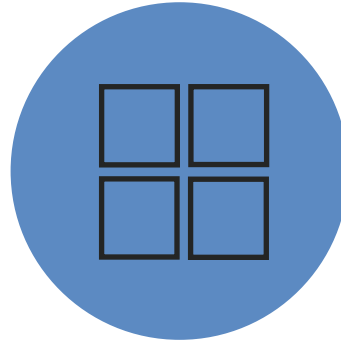


# Next steps

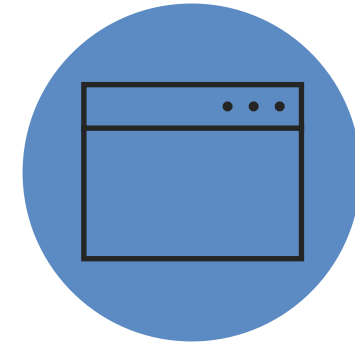
A valuable team of CompuNet architects, engineers, consultants, and service delivery managers are standing by to help in your journey. Reach out for help with your roadmap.



**Get started today:**  
[aka.ms/WVDGetStarted](https://aka.ms/WVDGetStarted)



**Estimate the end-user experience:**  
[aka.ms/avd/ExperienceEstimator](https://aka.ms/avd/ExperienceEstimator)



**Use the Azure calculator to estimate your costs:**  
[aka.ms/AVDPricing](https://aka.ms/AVDPricing)

---

Learn more about Azure  
Virtual Desktop:  
<https://aka.ms/wvdplaylist>

See what's coming next:  
<https://www.youtube.com/watch?v=QLDu6QVohEI&t=19s>

Technical documentation:  
<https://docs.microsoft.com/en-us/azure/virtual-desktop/>

Gold  
Microsoft Partner





## About CompuNet, Inc.

CompuNet is a 'Managed Microsoft Partner' and is part of the 'One Commercial Partner' program. We work closely with Microsoft to provide the best on-site support possible while leveraging our experience with our customers' current environment.

Contact us today to protect your Microsoft Cloud investment!

- Microsoft Gold Partner
- Microsoft Cloud Solution Provider (CSP)
- Community-focused security practice
- Engineering-led, solutions-based approach

Gold  
Microsoft Partner



Email: [MicrosoftSales@compunet.biz](mailto:MicrosoftSales@compunet.biz)  
Web: [www.compunet.biz](http://www.compunet.biz)

