



Windows Virtual Desktop Walkthrough & latest updates



Roshan Yalaburgi

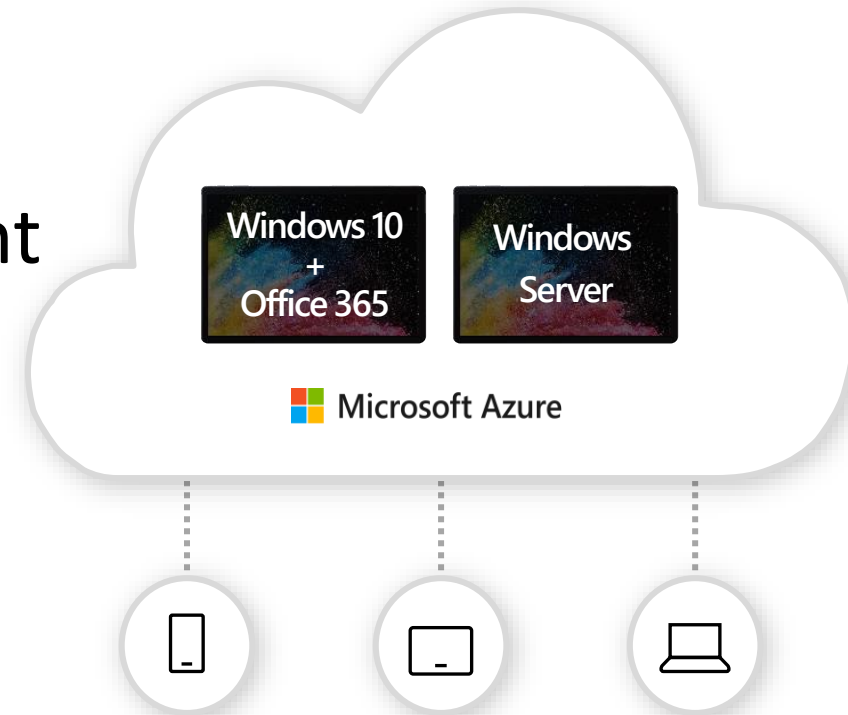
**Azure Solution Architect | Microsoft
Certified Trainer**

Agenda

- Introduction to Microsoft Azure Windows Virtual Desktop (WVD)
- Comparison of WVD vs RDS on Azure
- WVD Architecture, components
- Upcoming features
- How to identify WVD opportunities
- How much does WVD cost?
- Demo
- Q&A

Introduction to Windows Virtual Desktop (WVD)

- Desktop as a service offering from Microsoft Azure.
- Deliver the only multi-session Windows 10 experience.
- Enable optimizations for Office 365 ProPlus.
- Free Windows 7 Extended Security Updates.
- Integrated with the security and management of Microsoft 365.
- Pooled or Personal desktops.
- Simple to deploy & scale.



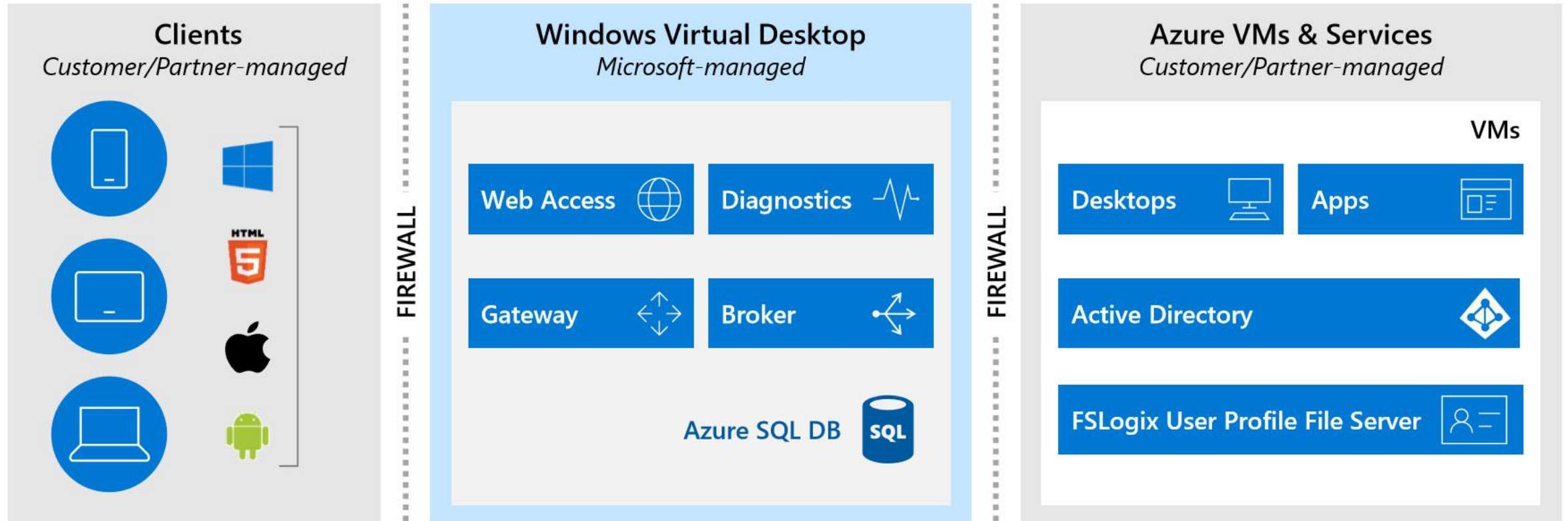
Comparison : VDI vs DaaS

Traditional VDI	Desktop-As-a-Service
Responsible for image management	Responsible for image management
Fixed sizing	Scale on-demand
Long implementation time	Fast implementation time
Self-Operated (Brokering, web etc)	Managed by Cloud vendor (As-a-Service)
Annual release updates/improvements	Improved constantly (As-a-Service)
Maintenance unmanaged	Maintenance managed by Cloud vendor
Locally available > Private Clouds only	Global available > Public Cloud datacenter
Servers – hypervisor unmanaged	Servers – hypervisor Managed by Cloud vendor
Annual perpetual licensing	Monthly subscription licensing
CapEx Costs billing model	OpEx costs billing model

Comparison of WVD vs RDS on Azure

	Windows Virtual Desktop	RDS Virtual Desktops in Azure
Azure infrastructure to support desktop virtual machines (session hosts)	Compute, storage and networking Roughly the same in both deployment scenarios (assuming AHU)	
Control Plane	WVD Management Service <ul style="list-style-type: none"> Hosted and managed by Microsoft in Azure No Azure VMs needed No additional cost beyond Windows 10 license 	RDS Roles (e.g. LS, Web, GW, etc.) <ul style="list-style-type: none"> Hosted and managed in Azure by customer or service provider Azure VMs needed for RDS roles Azure infrastructure costs for VMs hosting RDS roles
Microsoft Licensing	Windows 10 Enterprise subscription <ul style="list-style-type: none"> Microsoft 365 (E3, E5, A3, A5, Business) Windows (E3, E5, A3, A5, Business) Windows 10 Enterprise VDA 	Windows Server and RDS subscription <ul style="list-style-type: none"> RDS CAL with Software Assurance RDS via CSP Software Subscription Server via CSP Software Subscription Server VL with Software Assurance

WVD : Architecture

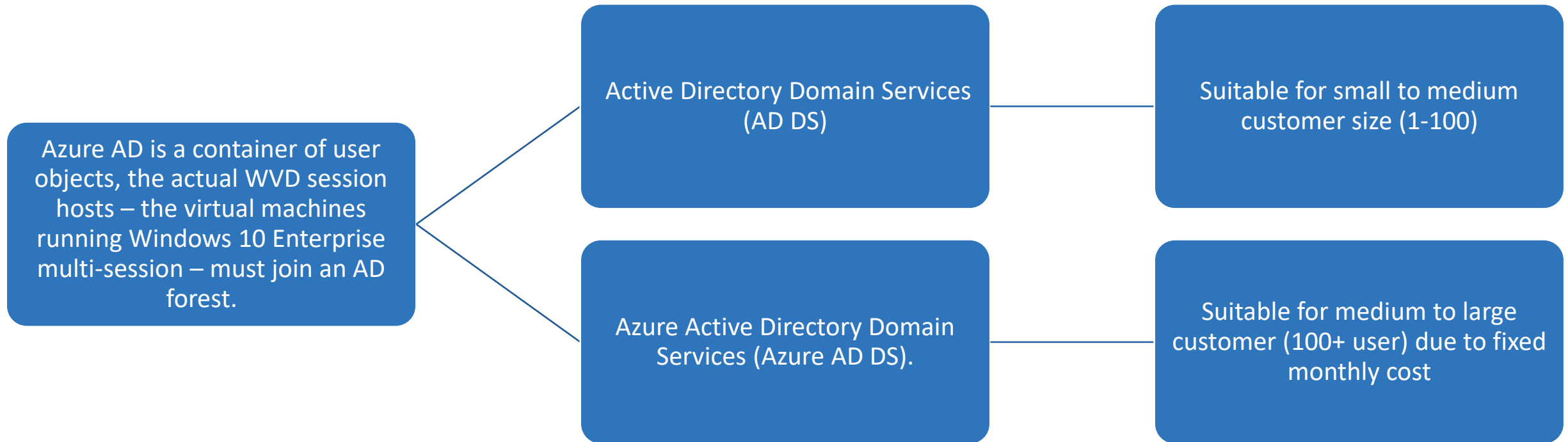


Components required for Windows Virtual Desktop

- Active Azure subscription
- Active Directory sync with Azure AD *or* Azure AD Domain services.
- Storage for User profile containers
- Azure virtual network
- Virtual machines

WVD Components : Active Directory Options

WVD requires that the session host VMs (desktop VMs) are joined with either AD DS or AAD DS



WVD Components : Active Directory Options

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If my customer, with 25 end users, is using Microsoft 365 BP plan and all the user accounts are cloud accounts (No Azure Connect sync), what is the recommended authentication option?

- Azure AD Domain Services
 - ✓ Pro – Easy to setup.
 - ✓ Con – Fixed cost, expensive for small customers.

- Active Directory on VM, Setup Azure AD Connect with SMTP Soft match
 - ✓ Pro - less expensive in comparison. Suitable for small customers.
 - ✓ Con – management of virtual machine.

Storage options for FSLogix profile containers

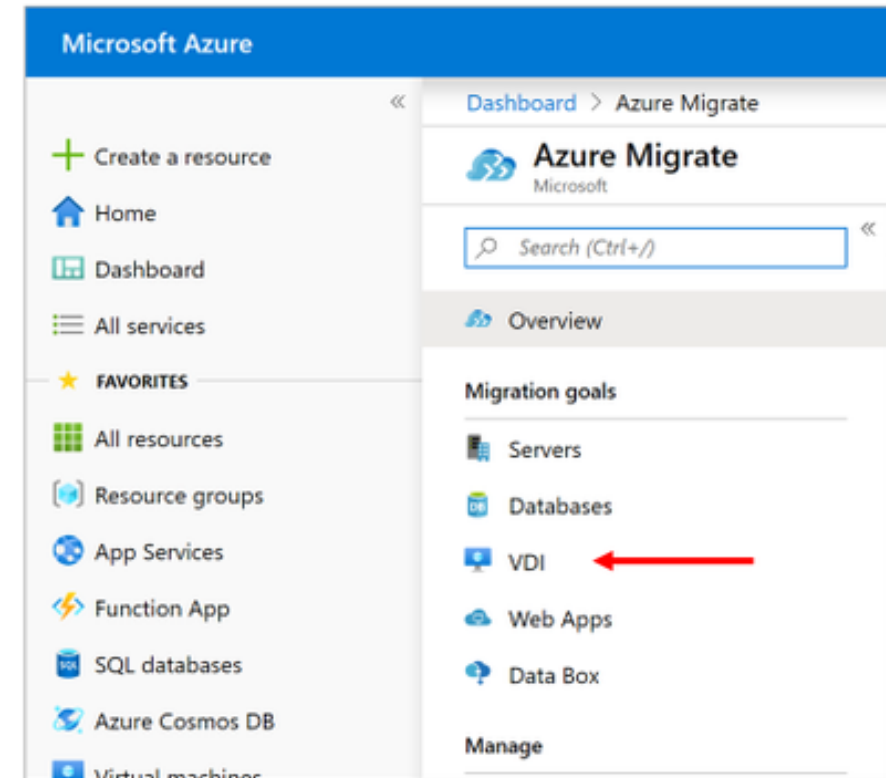
- Azure offers multiple storage solutions that you can use to store your FSLogix profile container.
- We recommend storing FSLogix profile containers on **Azure Files or Azure NetApp Files** for most customer scenarios. (*Azure Files Premium tier is recommended*)

□ Best Practices

- The storage solution and the FSLogix profile container should be in the same data-center location. Use Private link for Azure storage.
- Exclude the VHD(X) files for profile containers from antivirus scanning.
- Use a separate profile container per host pool.

Migrate on-premise RDS to WVD

- Azure Migrate is not required for RDS and VDI migrations (you can use your own assessment and migration tools), it does offer:
 - Assessments for readiness, sizing, and cost estimation
 - Migration with near-zero downtime
 - Integrated experience with end-to-end progress tracking
 - Your choice of tools with ISV integration (Lakeside - SysTrack)



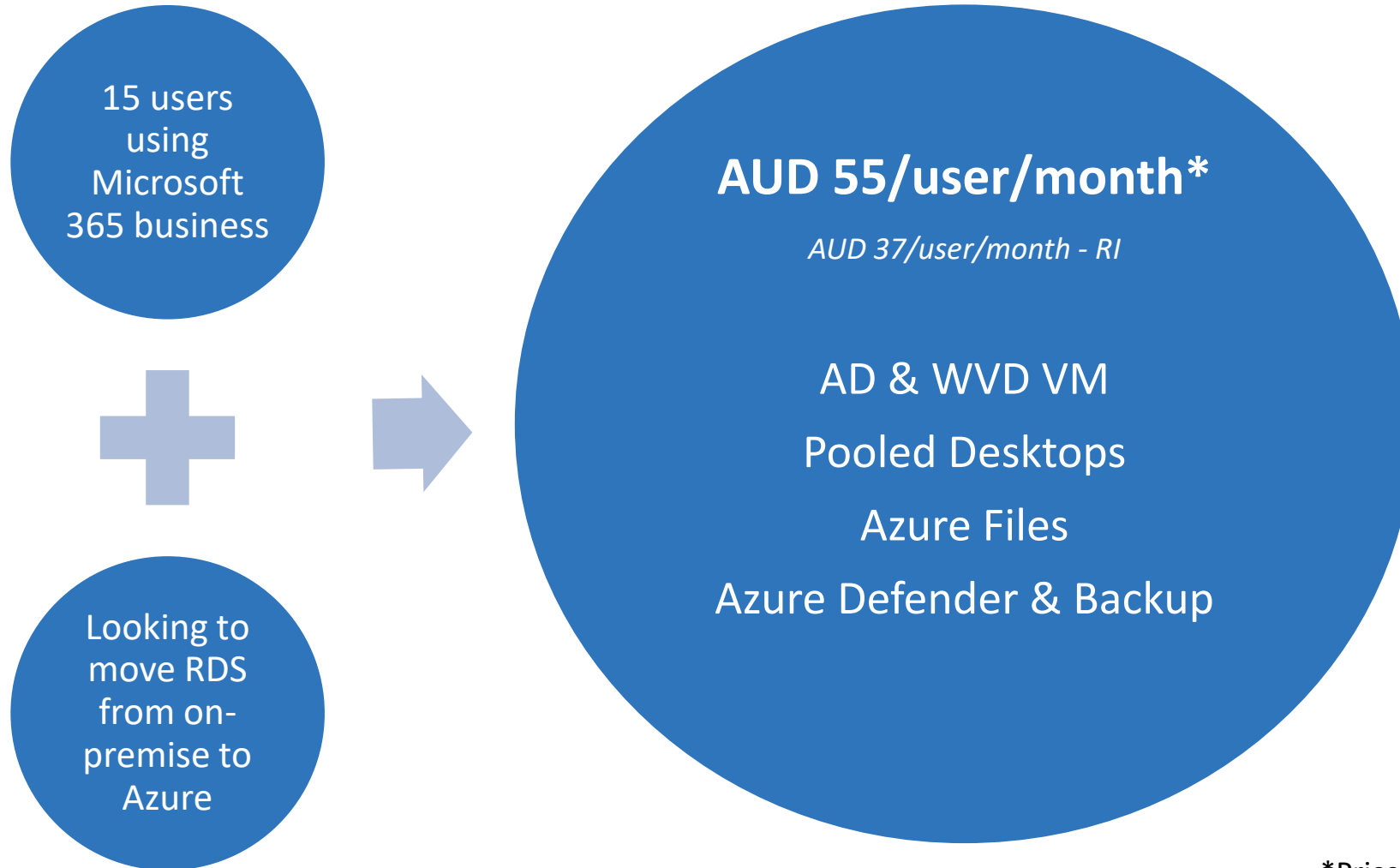
Latest features of WVD

- Microsoft Defender for endpoint integration
- Azure security baseline for WVD
- Azure Monitor for WVD
- MSIX App Attach (*public preview*)
- Screen capture protection
- RDP Shortpath (*public preview*)
- Az.DesktopVirtualization
- Azure Advisor guidance for WVD
- Universal Print: a cloud-based print solution (*preview*)

How to identify WVD opportunities

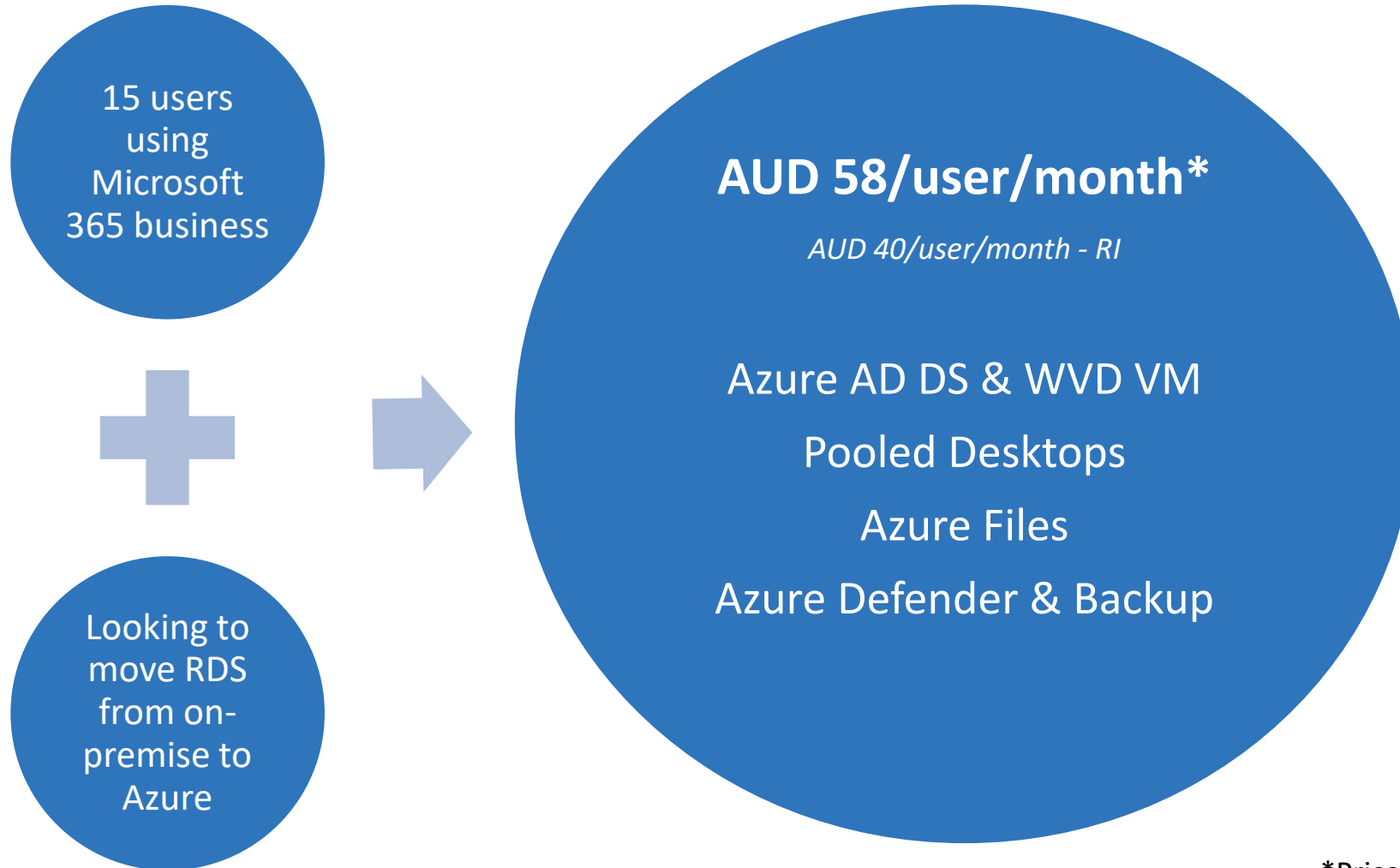
- Customers using RDS/Terminal services to access applications
- Customers using client-server based applications
- Customers using GPU intensive applications like AutoCAD, Revit, Adobe Creative cloud (Design & engineering firms)
- Mergers and Acquisition.
- BYOD, Call centres, Short term employees

WVD customer scenario and pricing examples



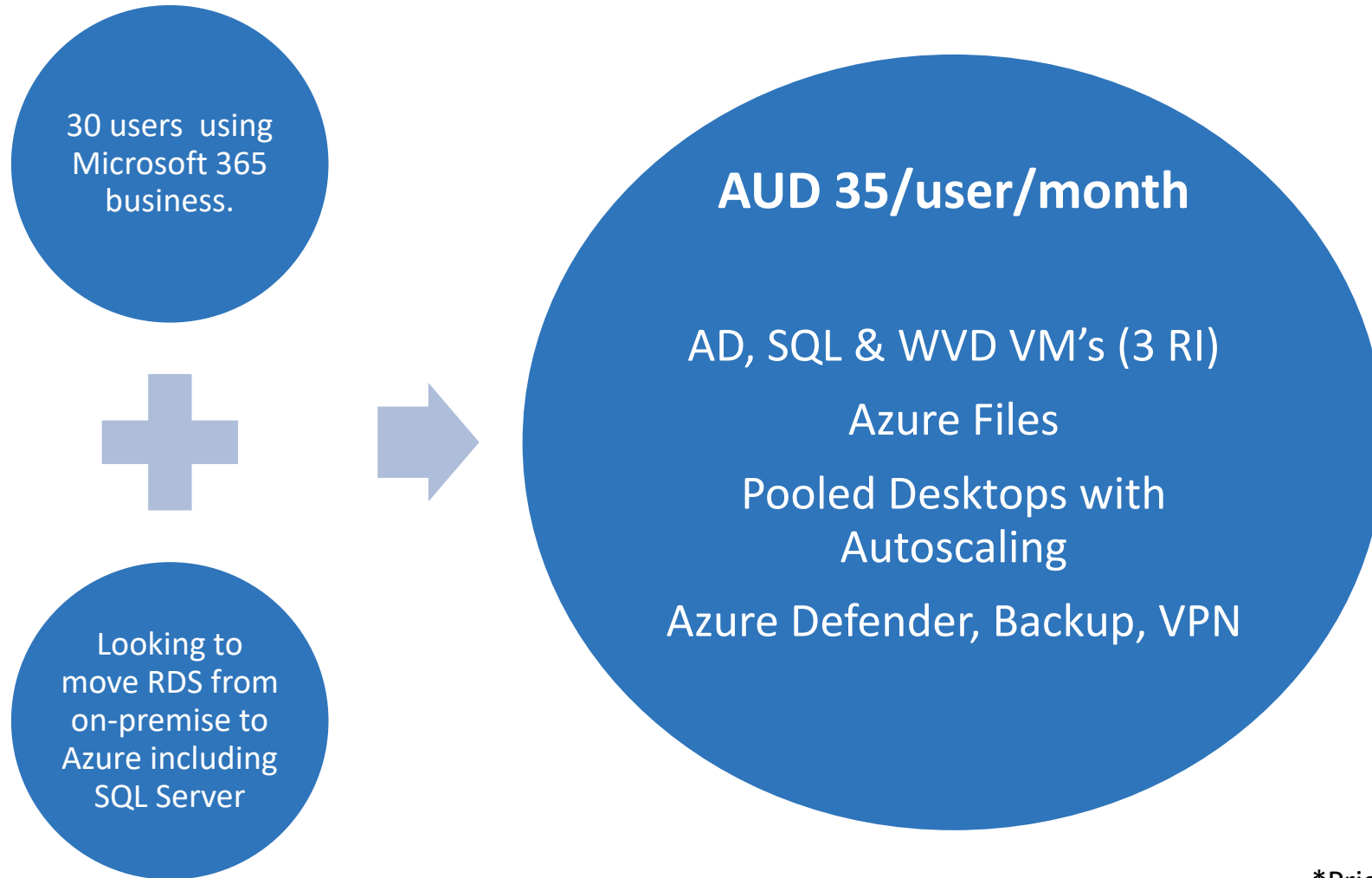
*Prices are customer list prices

WVD customer scenario and pricing examples



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Demonstration



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Current Promo

For all new tenants that you activate during
February 15th – March 31st with the
consumed revenue of \$500 in the first month,
you get *\$250 cashback

*For every new customer added, you need to have \$500 Azure consumed revenue monthly

Questions?



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Thank You



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