Microsoft

Microsoft Ignite
The Tour

Microsoft

Windows Virtual Desktop, Lessons Learned from the Field!

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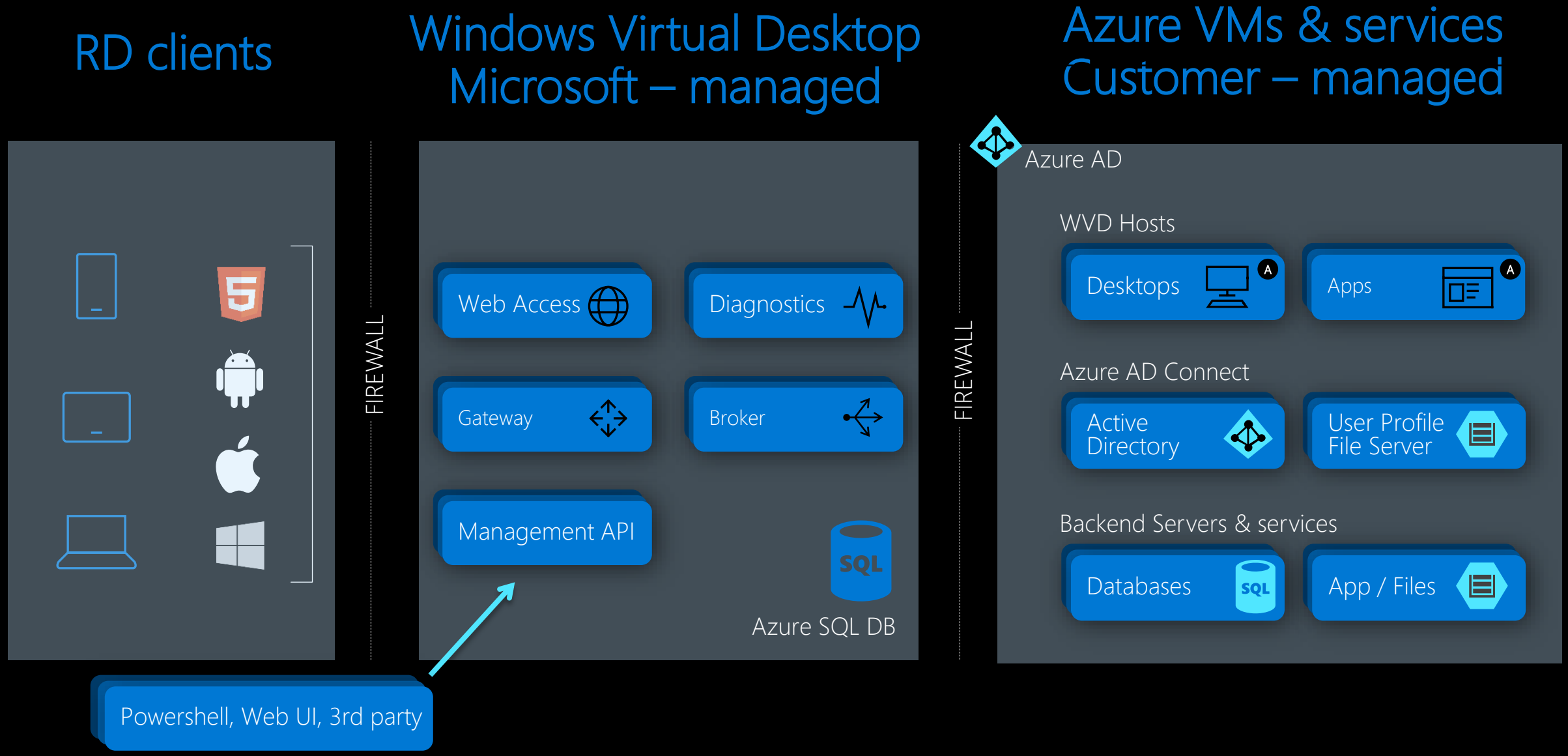
Remoting Windows Evangelist

Additional questions?
Tomorrow all morning I'm at:
Expert Connect Area, Table 5

Windows Virtual Desktop

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

WVD Architecture



Where to start?

Step 1 - Provide consent
Step 2 - Assign Tenant Creator Role
Step 3 - Create Service Principal
Step 4 - Create WVD Tenant
Step 5 - Create WVD Hostpool
Step 6 - Create AppGroups
Step 7 - Assign Users
Step 8 - Publish Apps/Desktops
Step 9 - Deploy Management UI

wvd-jumpstart.ps1

```
#STEP 1 - Provide Consent
start microsoft-edge:https://rdweb.wvd.microsoft.com/

#STEP 2 - Assign Tenant Creator
start microsoft-edge:https://bit.ly/3bip8Mp

#Step 3  - #Create Service Principal
$svcPrincipal = New-AzureADApplication -AvailableToOtherTenants $true -DisplayName "WVD Service Principal"
$svcPrincipalCreds = New-AzureADApplicationPasswordCredential -ObjectId $svcPrincipal.ObjectId

#Step 4 - Create the Tenant
New-RdsTenant -Name $Tenantname -AadTenantId $AadTenantId -AzureSubscriptionId $AzureSubScriptionID -Description "Ignite
Prague"

#Step 5 - Create the Hostpool
start microsoft-edge:https://bit.ly/2H8HaTj

#Step 6 - Create an AppGroup (optional)
New-RdsAppGroup -TenantName $Tenant -HostPoolName $hostpool -AppGroupName $AppGroupname -ResourceType “RemoteApp”

#Step 7 - Assign Users
Add-RdsAppGroupUser -TenantName $tenant -HostPoolName $hostpool -AppGroupName $AppGroupname -UserPrincipalName
"rdmitest@rdmi.cloud"

#Step 8 - Publish Applications
New-RdsRemoteApp -TenantName $tenant -HostPoolName $hostpool -AppGroupName $AppGroupname -AppAlias "outlook" -name “Outlook"

#Step 9 - Management using UI
start microsoft-edge:https://github.com/Azure/RDS-Templates/tree/master/wvd-templates/wvd-management-ux/deploy
```

Linux thin client support

Windows Virtual Desktop supports thin clients, IGEL is first to market with Linux support!

www.igel.com/wvd

Win a UD Pocket!

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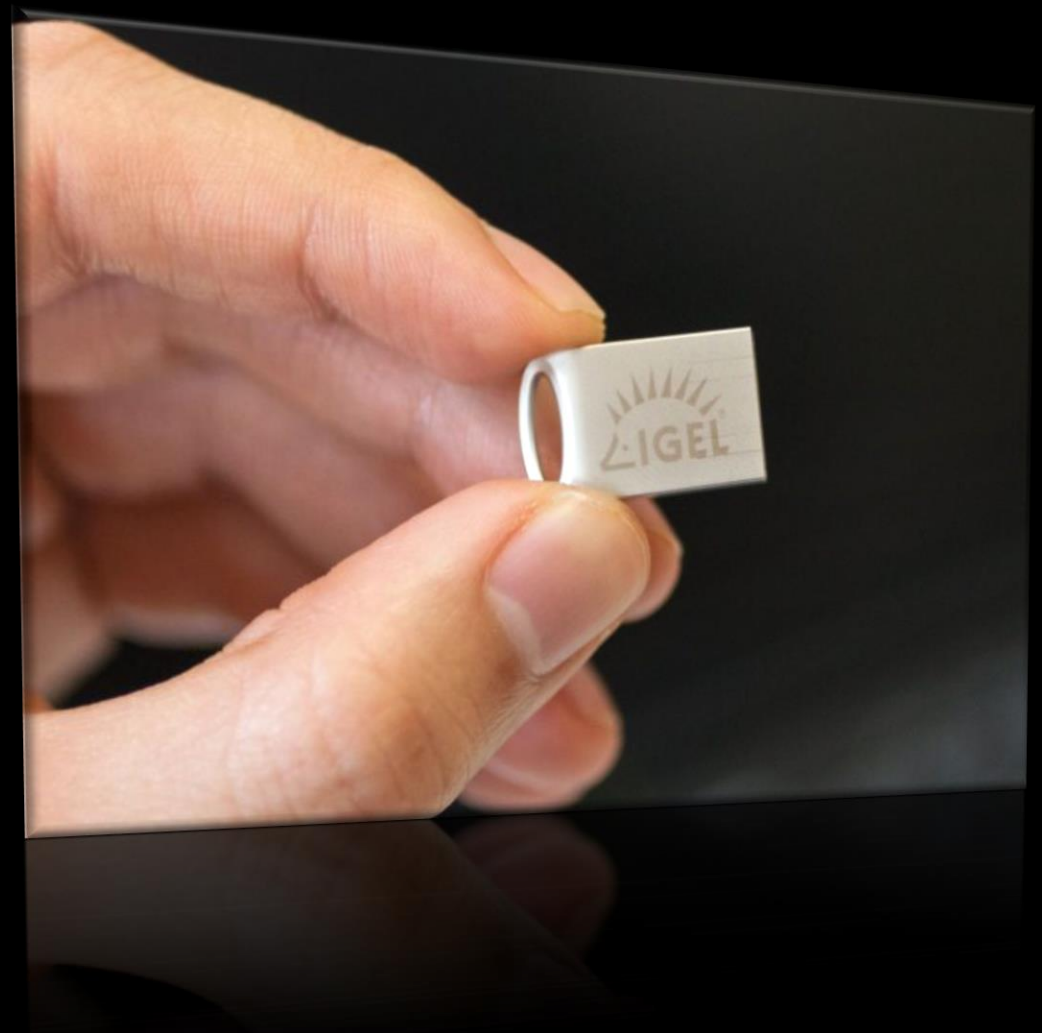
and mention @fberson



Updating a hostpool

Template Image

Create Windows Virtual Desktop - Provision a host pool

Basics | Configure virtual machines | Virtual machine settings | Windows Virtual Desktop information | Review + create

This template creates and provisions a host pool in Windows Virtual Desktop.

Project details

Select the subscription to manage deployed resources and costs. Use resource groups like folders to organize and manage all your resources.

Subscription * : Microsoft Azure Enterprise

Resource group * : RdsgWvdAppHostpool03

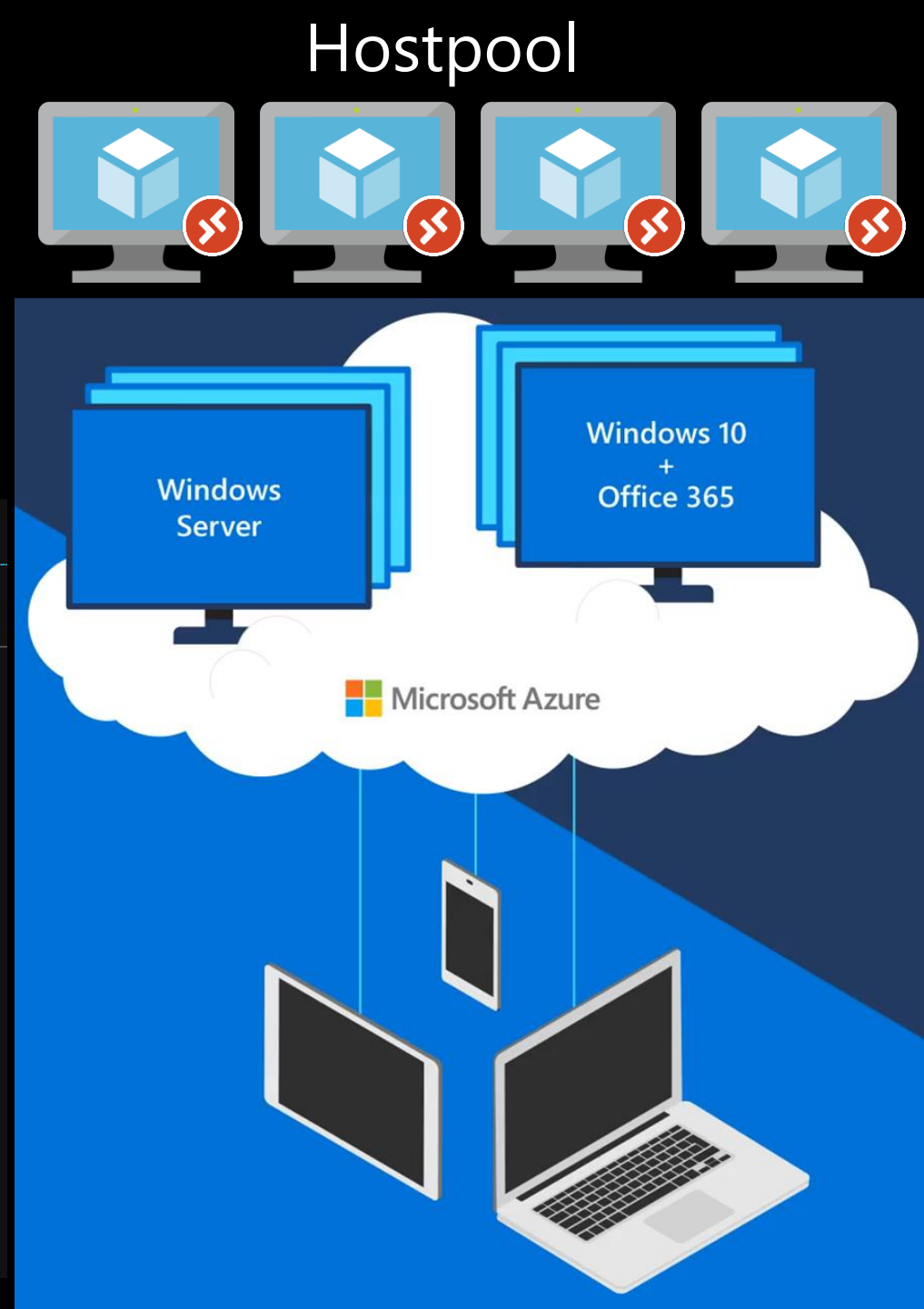
Instance details

Region * : West US 2

Hostpool name * : Prague-Host-Pool

Desktop type : Pooled | Personal

Default desktop users : freek@rdmi.cloud



Scaling WVD hosts

aka.ms/wvdscale

Scale session hosts using Azure Automation

02/06/2020 • 10 minutes to read • +1

You can reduce your total Windows Virtual Desktop deployment cost by scaling your virtual machines (VMs). This means shutting down and deallocating session host VMs during off-peak usage hours, then turning them back on and reallocating them during peak hours.

In this article, you'll learn about the scaling tool built with Azure Automation and Azure Logic Apps that will automatically scale session host virtual machines in your Windows Virtual Desktop environment. To learn how to use the scaling tool, skip ahead to Prerequisites.

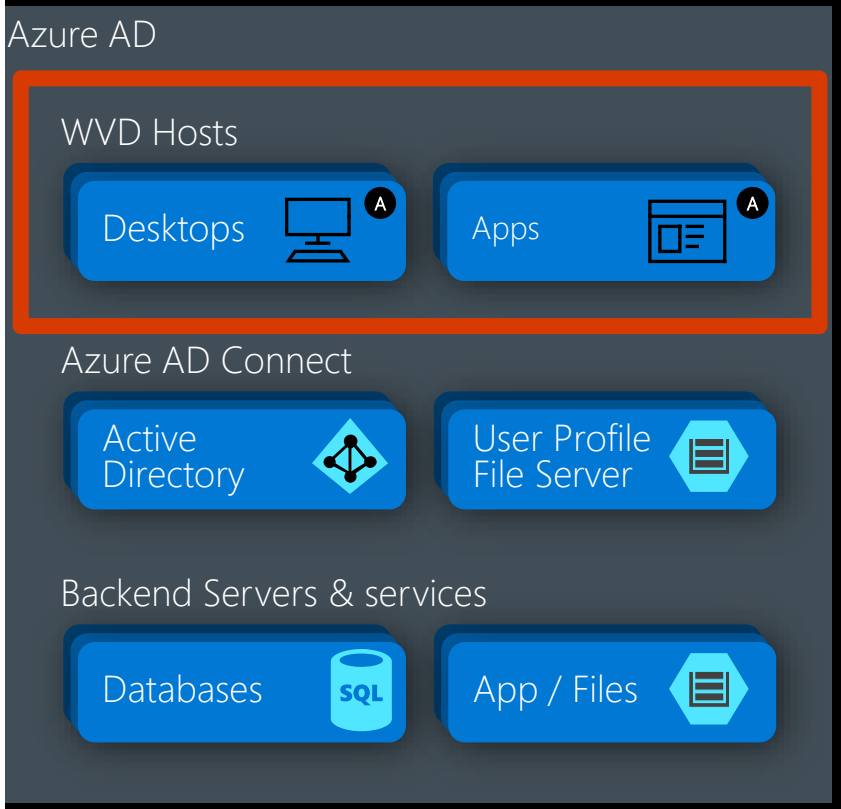
How the scaling tool works

The scaling tool provides a low-cost automation option for customers who want to optimize their session host VM costs.

You can use the scaling tool to:

- Schedule VMs to start and stop based on Peak and Off-Peak business hours.
- Scale out VMs based on number of sessions per CPU core.
- Scale in VMs during Off-Peak hours, leaving the minimum number of session host VMs running.

Azure VMs & services
Customer – managed

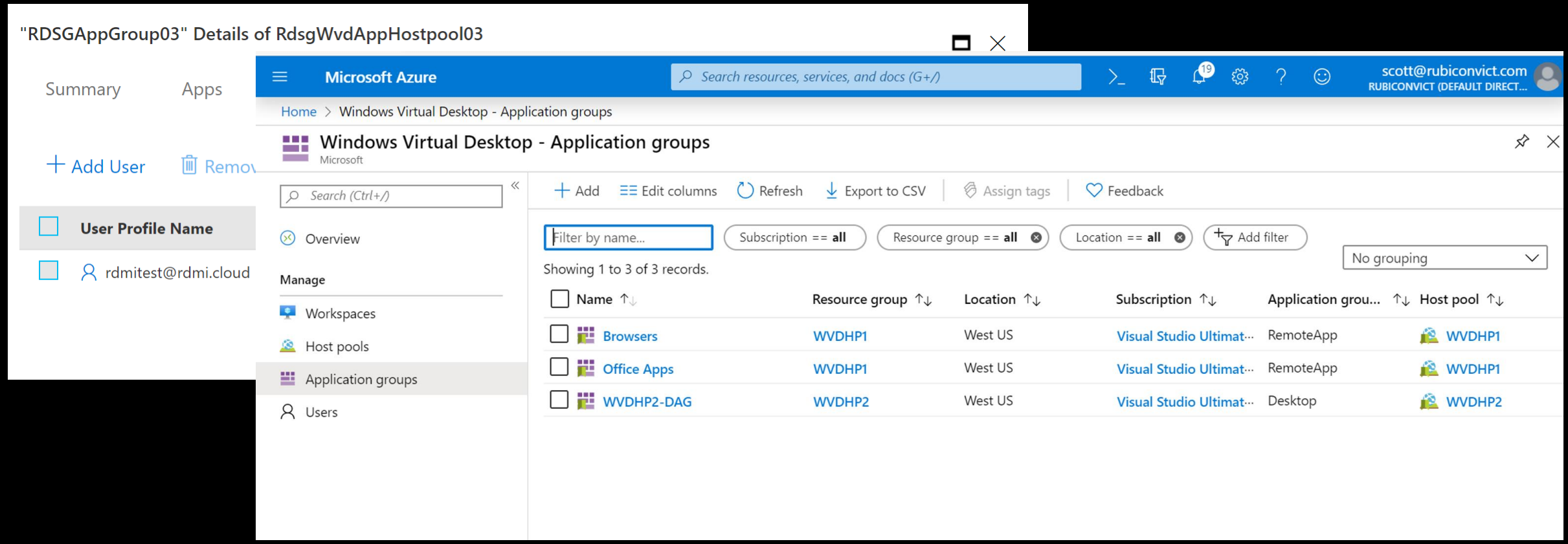


User authorization

1. PowerShell

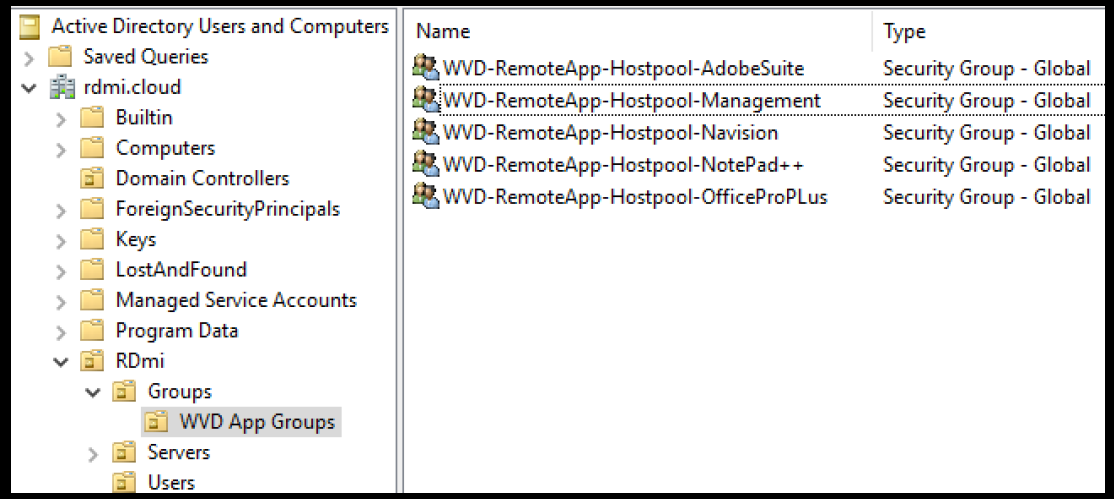
```
#Add users to AppGroup
Add-RdsAppGroupUser -TenantName $tenant -HostPoolName $hostpool -AppGroupName $AppGroup -UserPrincipalName "freek@rdmi.cloud"
Get-RdsAppGroupUser -TenantName $tenant -HostPoolName $hostpool -AppGroupName $AppGroup
Remove-RdsAppGroupUser -TenantName $tenant -HostPoolName $hostpool -AppGroupName "AppGroup" -UserPrincipalName "freek@rdmi.cloud"
```

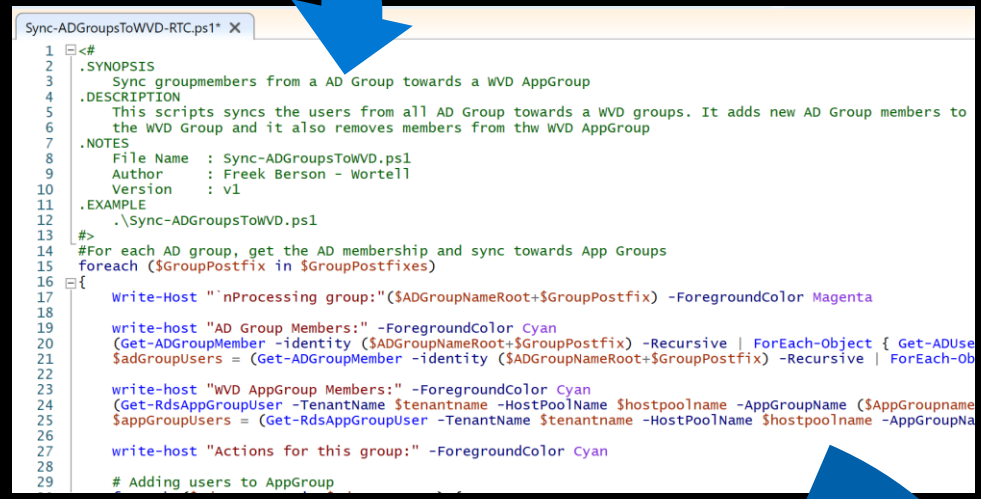
2. Management UI

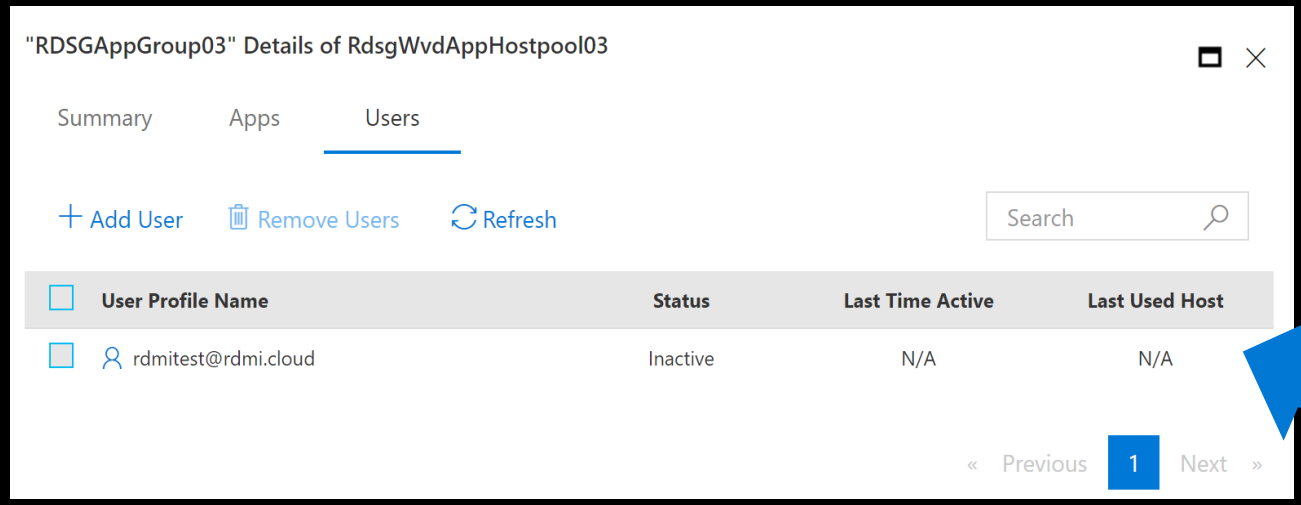


User authorization

3. AD / AAD Group to AppGroup Auto Sync

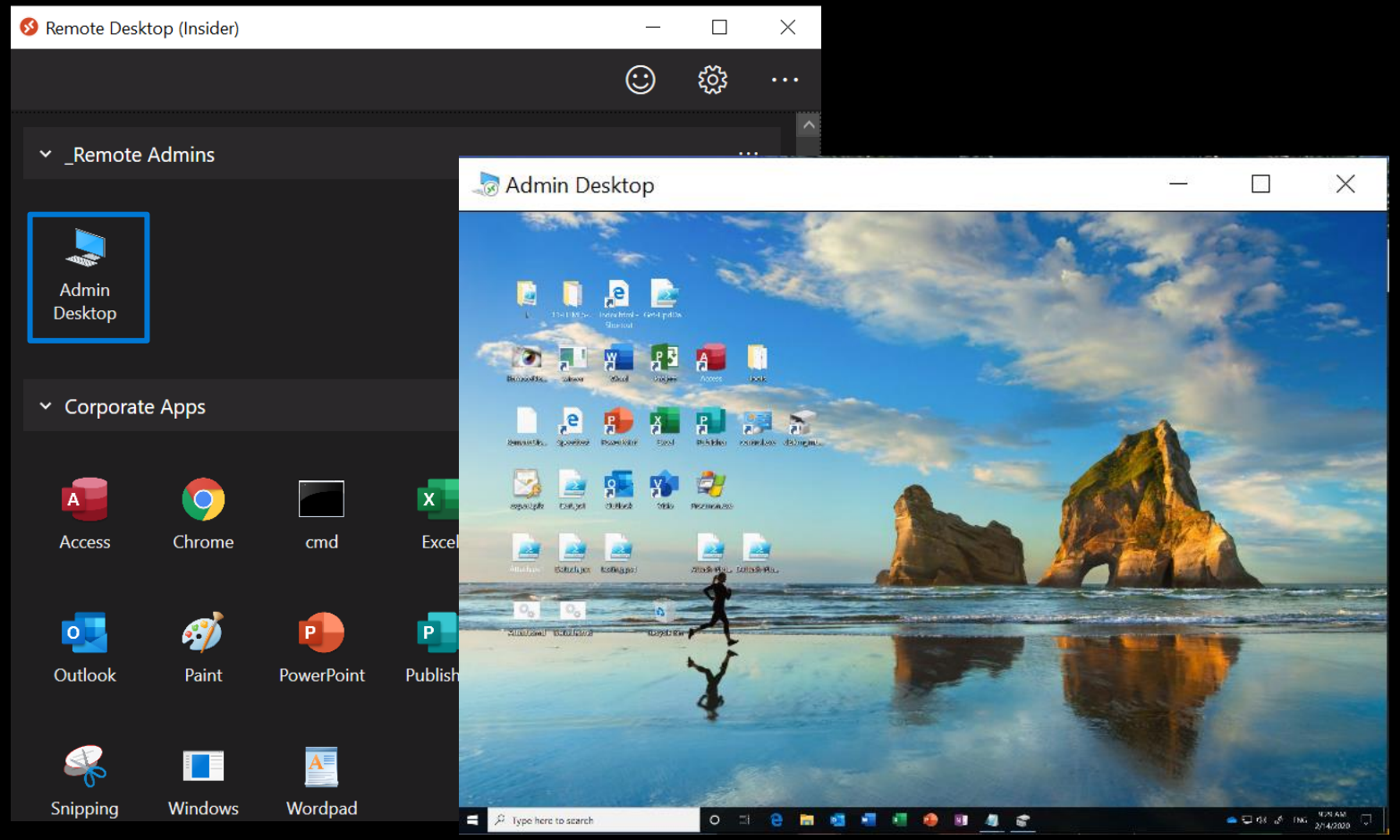






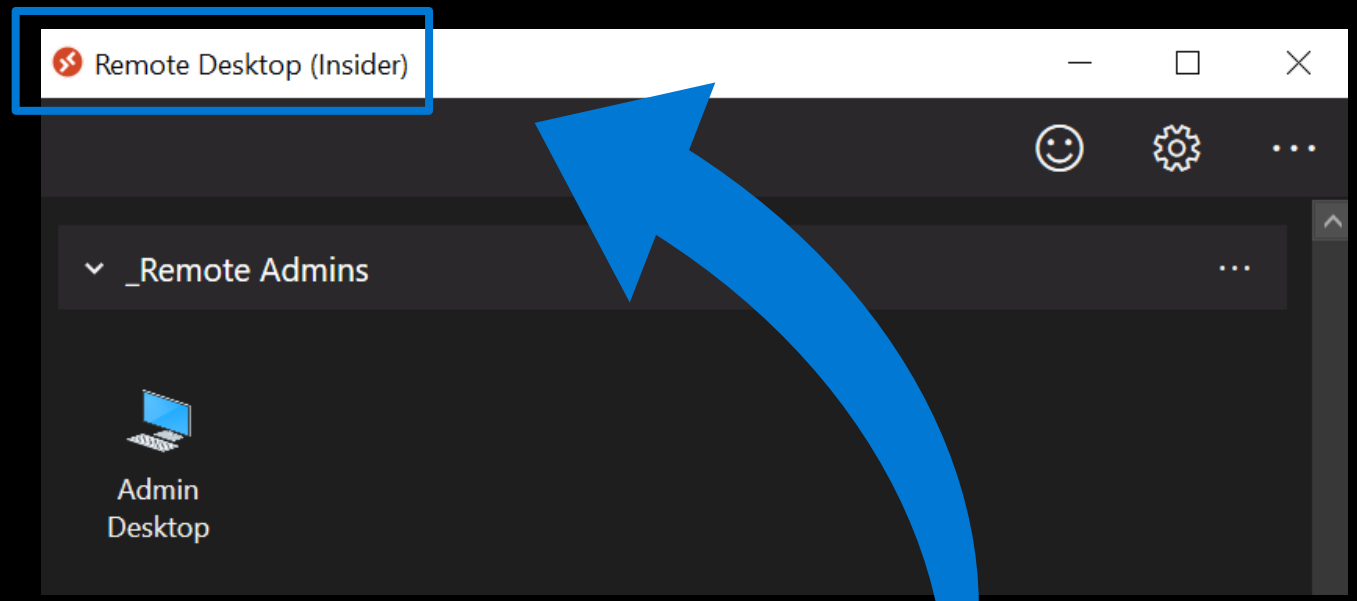
Eat your own dogfood!

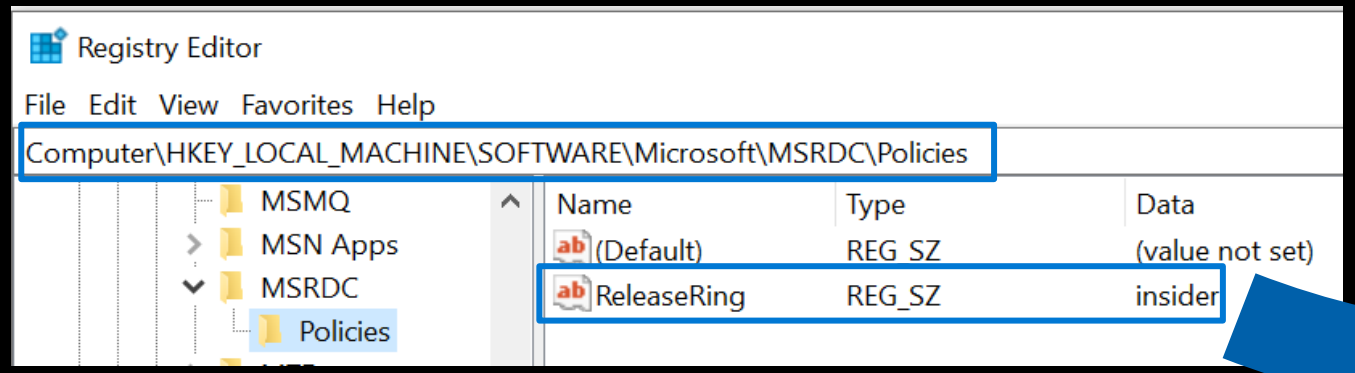
STEP 1
Leverage WVD for Remote Management
By administrators in secure and efficient way!



Eat your own dogfood!

STEP 2
Join the WVD Client Insiders Ring to get updates ahead of production!





Eat your own dogfood!

STEP 3
Set the hostpool to Validation mode!

```
#Set Hostpool to validation mode
Set-RdsHostPool -TenantName $Tenantname -Name ($HostPoolName) -ValidationEnv $true
```

```
TenantName          : RdsgWvdTenant04
TenantGroupName     : Default Tenant Group
HostPoolName        : RdsgWvdDesktopHostpool03
FriendlyName        : RdsgWvdDesktopHostpool03
Description         : Created through ARM template
Persistent          : False
CustomRdpProperty   :
MaxSessionLimit     : 999999
LoadBalancerType    : BreadthFirst
ValidationEnv       : True
Ring                :
AssignmentType      :
```

Call to action!

aka.ms/wvd

@fberson

ignite@wortell.nl

Additional questions?
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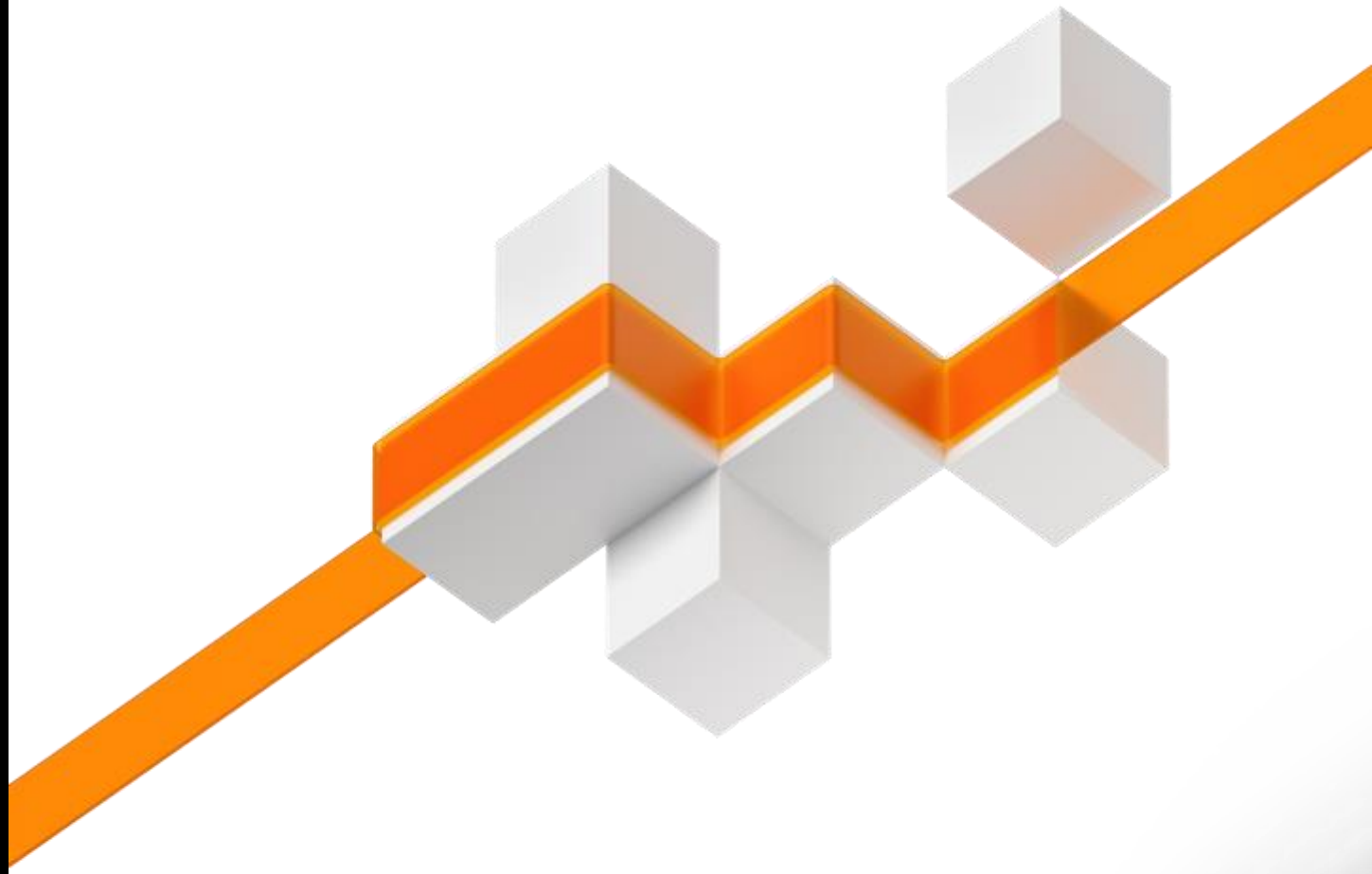
Demo

Speaker name



Microsoft

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