



November 13-15, Oslo Spektrum

Marcel Meurer

Unleash the power of Intune and Azure Virtual Desktop

# About me

## Focus on:

- Azure Virtual Desktop
- Community tools

## From:

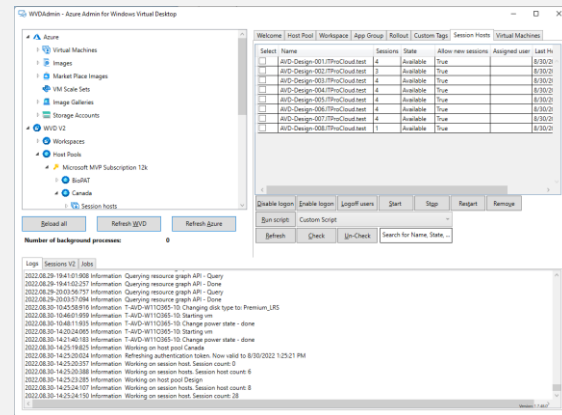
- Germany

## Business:

- Consulting
- Development
- Community

## Connect:

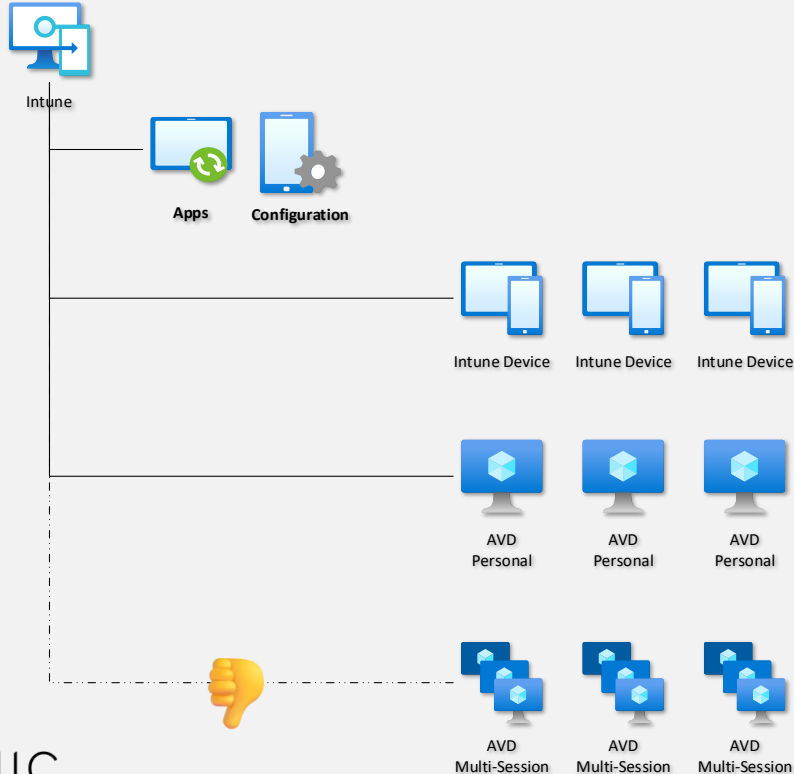
- [www.linkedin.com/in/marcelmeurer/](https://www.linkedin.com/in/marcelmeurer/)
- [x.com/MarcelMeurer](https://x.com/MarcelMeurer)
- [blog.ITProCloud.de](https://blog.ITProCloud.de)



# Agenda

- Intune and Azure Virtual Desktop
- Limitations
- Using Intune to prepare an image
- Capturing and deployment
- Do it more easily

# Intune and Azure Virtual Desktop



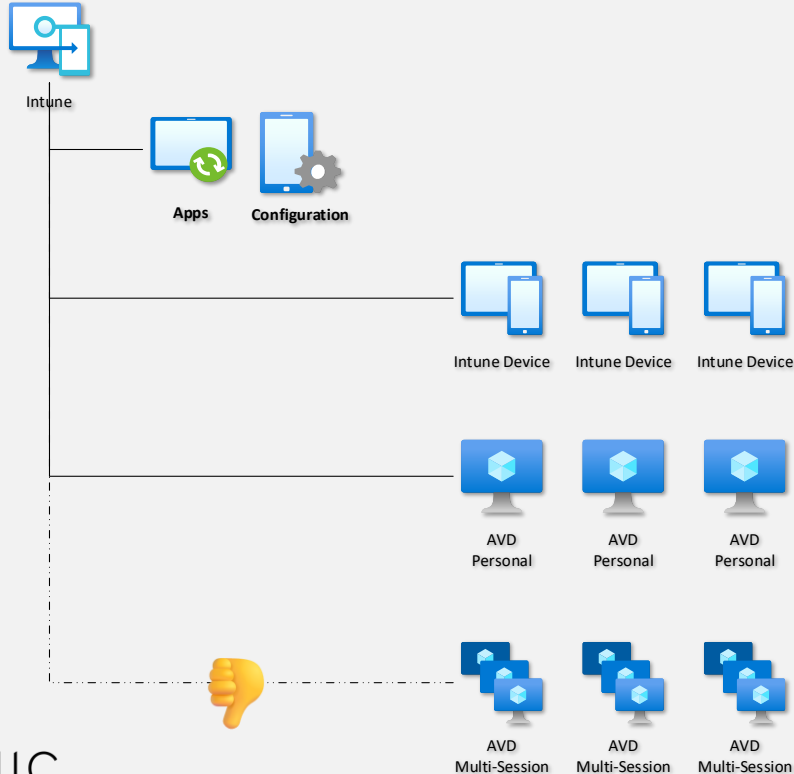
Intune for deploying apps and configurations

👍 Normal endpoints

👍 Personal hosts

👎 Pooled hosts

# Intune and Azure Virtual Desktop



## Pooled hosts

- Deployment takes long
- Files are in use
- Unpredictable of Intune actions

# Intune Timing

Platform	Refresh cycle
iOS/iPadOS	About every 8 hours
macOS	About every 8 hours
Android	About every 8 hours
Windows 10/11 PCs enrolled as devices	About every 8 hours
Windows 8.1	About every 8 hours

macOS	Every 15 minutes for 1 hour, and then around every 8 hours
Android	Every 3 minutes for 15 minutes, then every 15 minutes for 2 hours, and then around every 8 hours
Windows 10/11 PCs enrolled as devices	Every 3 minutes for 15 minutes, then every 15 minutes for 2 hours, and then around every 8 hours
Windows 8.1	Every 5 minutes for 15 minutes, then every 15 minutes for 2 hours, and then around every 8 hours

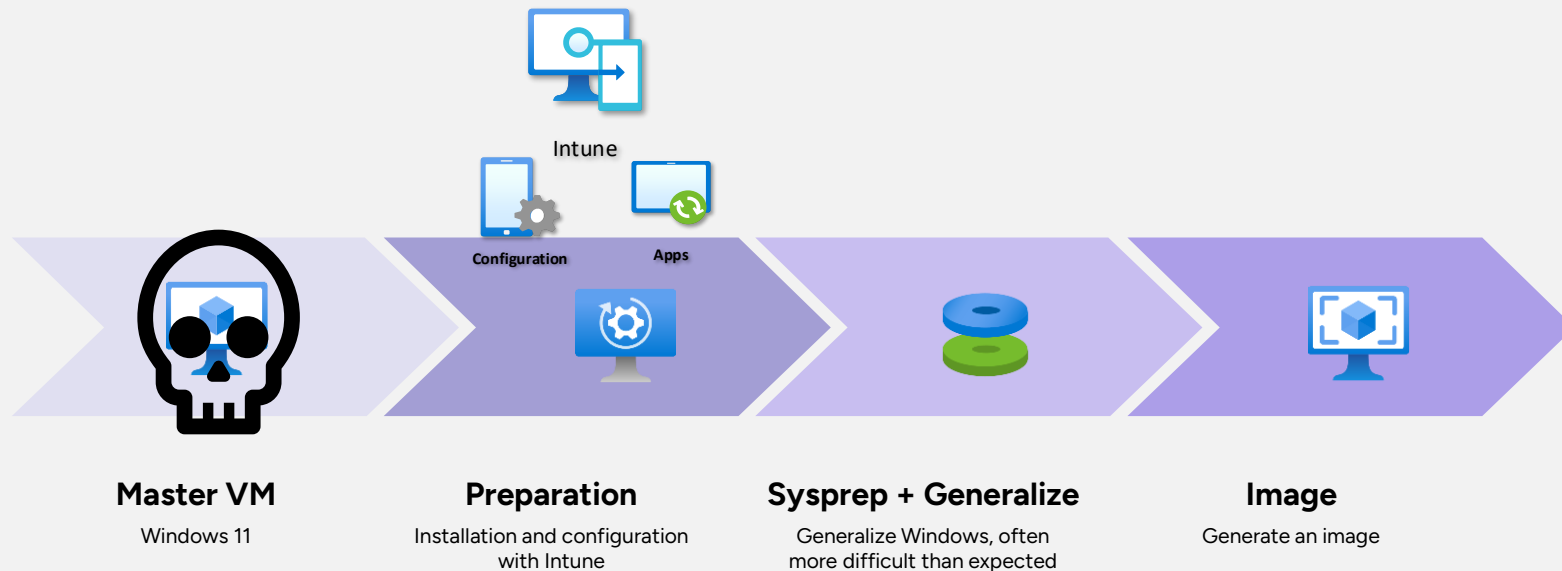
# Golden Master approach

Build the Golden Master with Intune

- Deploy applications with Intune
- Deploy configuration with Intune
- Capture the Golden Master into an image
- Use the images to deploy ready-to-use session hosts

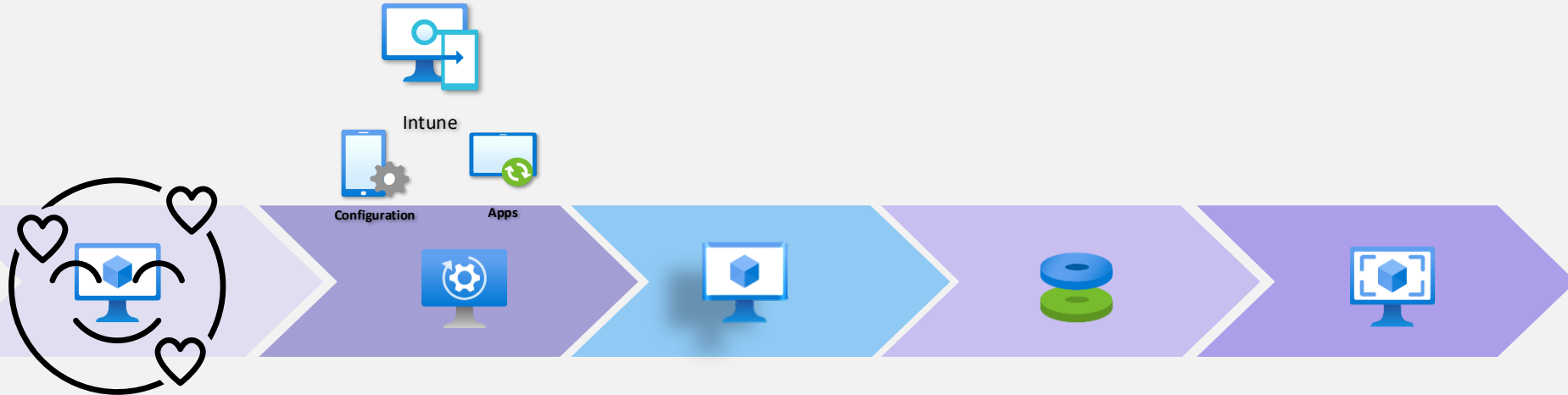


# Golden Master approach



# Golden Master approach

with PowerShell, WVDAdmin, Hydra



## Master VM

Windows 11, domain-joined or not

## Preparation

Installation and configuration with Intune

## Temporary VM

Exact copy of the Golden Master

## Sysprep + Generalize

Generalize Windows, often more difficult than expected

## Image

Generate an image

- Makes a copy from the Golden Master
- Works with the copy (temporary VM)
  - Sysprep
- Remove temporary VM
- The Golden Master can be reused

# Using Intune to prepare a Golden Master

## Pitfalls



### Windows 10 / 11 Multi-Session

- Cannot directly join to Intune
  - Strange error messages
- You need an “Installation” host pool
  - => ~~You can use an installation host pool for easy access~~
  - => You must use it for multi-session – otherwise, the VM is not joined to Entra/Intune correctly (if you use Entra only) -> No longer true (Installation host pool is optional)
- **Remove orphan devices**
- Onboard to Intune with extension: “AADLoginForWindows” V2 with MDM parameter
- Applications must be assigned to a group of hosts (devices) – no per-user assignments
- Do some preparations before running sysprep and capturing the image
- Not every setting in configuration policies is supported

Let's get started

# Create an installation host pool (and production pool)

The screenshot displays the Azure portal interface for an 'Installation-Pool' host pool. The left sidebar contains navigation links for Overview, Activity log, Access control (IAM), Tags, Diagnose and solve problems, Settings (Scaling plan, RDP Properties, Properties, Networking, Scheduled agent updates, Locks), Manage (Application groups, MSIX packages, Session hosts), and Monitoring. The main content area shows the 'Essentials' section with links for Resource group, Location, Subscription, Subscription ID, and Tags. Below this is the 'Virtual machines' section with a summary of machine and session counts.

Virtual machines	
Total machines	1
Unavailable	0
Active sessions	0
Disconnected sessions	0
Pending sessions	0

- Multi-User (pooled)
- AAD authentication
  - targetisaadjoined:i:1
  - enablerdsaauth:i:1
  - enablecredsspsupport:i:1
- Configure the role “**Virtual Machine Administrator Login**” for your admin account on the resource group for your VM

# Create an installation host pool

The screenshot displays the Azure portal interface for an 'Installation-Pool' host pool. The left sidebar contains navigation links for Overview, Activity log, Access control (IAM), Tags, Diagnose and solve problems, Settings (Scaling plan, RDP Properties, Properties, Networking, Scheduled agent updates, Locks), Manage (Application groups, MSIX packages, Session hosts), and Monitoring. The main content area shows the 'Essentials' section with fields for Resource group (AVD.Resources), Location (West Europe), Subscription (ITProCloud.com Sponsoring - 2022), Subscription ID (0739ba13-6dc5-4594-ba1b-6f66712b63cd), and Tags (WVD.Create : WVDAdmin). Below this is the 'Virtual machines' section with a summary of machine status: Total machines (1), Unavailable (0), Active sessions (0), Disconnected sessions (0), and Pending sessions (0).

Virtual machines	
Total machines	1
Unavailable	0
Active sessions	0
Disconnected sessions	0
Pending sessions	0

- Create a desktop application group (DAG)
- Assign your admin to the DAG
- Link DAG to a workspace
- Opt.: Configure diagnostic settings of the pool and store data to log analytics

# Create the VM (Golden Master)

Create a virtual machine ...

Basics Disks Networking Management Monitoring Advanced Tags Review + create

Create a virtual machine that runs Linux or Windows. Select an image from Azure marketplace or use your own customized image. Complete the Basics tab then Review + create to provision a virtual machine with default parameters or review each tab for full customization. [Learn more](#)

**Project details**

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

Subscription \*

Resource group \*  [Create new](#)

**Instance details**

Virtual machine name \*

Region \*

Availability options

Security type

Image \*  [See all images](#) | [Configure VM generation](#)

VM architecture ☐ Arm64 ☒ x64

**i** Arm64 is not supported with the selected image.

- Security type: Standard
- Identity: On
- ~~Login with Azure AD~~
- Install extension:  
“AADLoginForWindowsWithIntune” or  
“AADLoginForWindows” V2 with MDM parameter

# Create the VM (Golden Master)

The screenshot shows the Microsoft Azure portal interface for a virtual machine named 'T-Intune-02'. The top navigation bar includes the Microsoft Azure logo, a search bar, and user information for Marcel.Meurer@itprod... The main content area displays the VM's overview, including its status (Running), location (West Europe), and subscription (ITProCloud.com Sponsoring - 2022). A sidebar on the left lists various management options like Overview, Activity log, and Access control. A terminal window at the bottom shows PowerShell commands for creating and configuring the VM.

**Microsoft Azure** Search resources, services, and docs (G+/)

Home > CreateVm-microsoftwindowsdesktop.office-365-win11-20241112092933 | Overview >

**T-Intune-02** Virtual machine

Search Help me copy this VM in any region

Connect Start Restart Stop Hibernate Capture Delete Refresh Open in mobile Feedback CLI / PS

**Essentials** JSON View

Resource group (move)	: <a href="#">AVD.Templates</a>	Operating system	: Windows (Windows 11 Enterprise multi-session)
Status	: Running	Size	: Standard D4as v5 (4 vcpus, 16 GiB memory)
Location	: West Europe	Public IP address	: -
Subscription (move)	: <a href="#">ITProCloud.com Sponsoring - 2022</a>	Virtual network/subnet	: <a href="#">AVD.VirtualMachines-vnet/default</a>
Subscription ID	: [REDACTED]	DNS name	: -
		Health state	: -
		Time created	: 11/12/2024, 8:31 AM UTC

Switch to Bash Restart Manage files New session Editor Web preview Settings Help

```
PS /home/marcel> $extensionName = "AADLoginForWindows"
PS /home/marcel> $extensionPublisher = "Microsoft.Azure.ActiveDirectory"
PS /home/marcel> $extensionType = "AADLoginForWindows"
PS /home/marcel> $extensionVersion = "2.0"
PS /home/marcel> $extensionSettings = @{"mdmId" = "0000000a-0000-0000-c000-000000000000"}
PS /home/marcel>
PS /home/marcel> $vm = Get-AzVM -VMName "T-Intune-02" -ResourceGroupName "AVD.TEMPLATES"
PS /home/marcel> Set-AzVMExtension -VMName $vm.Name -ResourceGroupName $vm.ResourceGroupName -Location $vm.Location -TypeHandlerVersion $extensionVersion -Publisher $extensionPublisher -ExtensionType $extensionType -Name $extensionName -Settings $extensionSettings
```



# Create the VM (Golden Master)

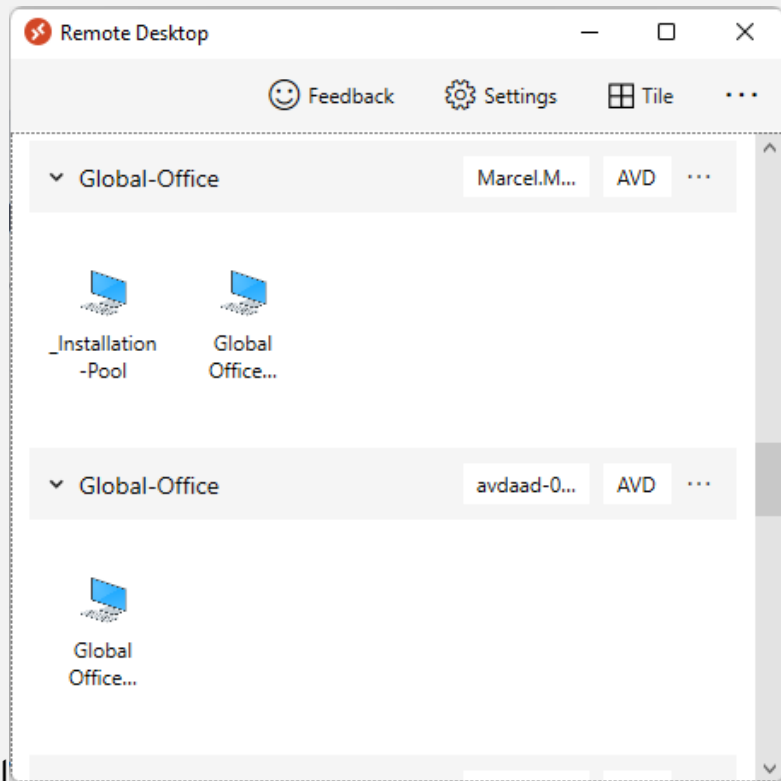
<input type="text" value="Search"/>		Add filter				
Device name ↑	Managed by	Ownership	Compliance	OS	OS version	Primary us...
<a href="#">PC-W11-01</a>	Intune	Corporate	Compliant	Windows	10.0.22000.1936	None
<a href="#">PC-W11-02</a>	Intune	Corporate	Compliant	Windows	10.0.22000.1936	None
<a href="#">PC-W11-03</a>	Intune	Corporate	Compliant	Windows	10.0.22000.1936	None
<a href="#">T-Intune-01</a>	Intune	Corporate	Compliant	Windows	10.0.22621.1702	None
<a href="#">T-Intune-11</a>	Intune	Corporate	Compliant	Windows	10.0.22621.1702	None
<a href="#">T-Intune-21</a>	Intune	Corporate	Compliant	Windows	10.0.22621.1702	None
<a href="#">T-Intune-80</a>	Intune	Corporate	Compliant	Windows	10.0.22621.1702	None



Demo Time



# Create the VM (Golden Master)



- Login to VM with RDP and local admin
- Install AVD Agent on VM with registration token of the pool
  - <https://query.prod.cms.rt.microsoft.com/cms/api/am/binary/RWrmXv>
  - <https://query.prod.cms.rt.microsoft.com/cms/api/am/binary/RWrxrH>
- Reboot & Logon with AAD Account via Remote Desktop client (AVD)



Demo Time



# Create the VM (Golden Master)

Debugging on the VM:

- Event log: Microsoft-Windows-DeviceManagement-Enterprise-Diagnostics-Provider/Admin
- Task Scheduler: Microsoft/Windows/EnterpriseMgmt (content is gone after success)
- DSREGCMD /status

# Create the VM (Golden Master) With WVDAdmin

The screenshot shows the WVDAdmin application window titled "WVDAdmin - Admin solution for Azure Virtual Desktop". The interface is divided into three main sections:

- Left Panel (Navigation):** Contains a tree view with "Azure" expanded, showing "Virtual Machines" and "Images". Under "Market Place Images", a list of Windows 10 EVD images is displayed, including various Gen1 and Gen2 versions.
- Right Panel (Form):** The "Rollout" tab is active. It contains fields for:
  - VM Name(s):** T-Intune-10
  - Count:** 1
  - Image:** Windows 11 EVD - Gen2 + Microsoft 365 - 22h2 (-)
  - Host Pool:** \_Installation-Pool 2 (ITProCloud.com Sponsoring - 2022)
  - Subnet:** AVD.VirtualMachines-vnet-default (ITProCloud.com Sponsoring - 2022)
  - Resource Grp.:** AVD.Templates (ITProCloud.com)
  - Disk & Size:** StandardSSDLRS
  - Disk Size (GB):** 0
  - Domain User:** contoso.com
  - Domain Pw.:** [Redacted]
  - Domain Fqdn:** localAdmin
  - Local Admin:** [Redacted]
  - Local Pw.:** [Redacted]
  - OU:** [Redacted]
- Bottom Panel (Logs):** A "Logs" tab is active, showing a list of system events with timestamps and messages. The latest log entry is "2023.06.17-17:42:05:103 Information T-Intune-10: Building vm".

Buttons at the bottom of the form include "Reload all", "Refresh WVD", "Refresh Azure", and a "Start Rollout" button.

Creates a new VM and joins it to host pool, AAD, and Intune

- AAD-only
- Join MEM

One-Shoot-Solution

Alternatively: Deploy a VM (not host) directly into Intune (multi-session)





Demo Time

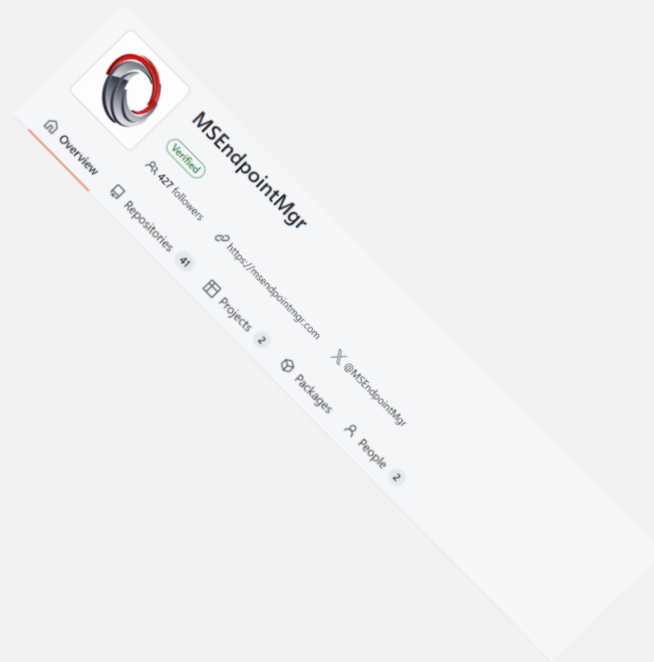
# Add an application with PSAppDeployToolKit

- Using PSAppDeployToolkit  
<https://psappdeploytoolkit.com/>
- Place the files
- Modify or create a deployment script
- Create package  
**IntuneWinAppUtil -c c:\testapp\v1.0 -s c:\testapp\v1.0\setup.exe -o c:\testappoutput\v1.0 -q**
- Upload package as “Windows app (Win32)”
- Configure apps in Intune portal and assign them to a group of devices



# Add an application with PSAppDeployToolKit & Convert

- Using PSAppDeployToolkit  
<https://psappdeploytoolkit.com/>
- Place the files
- Modify or create a deployment script
- Use **Convert.ps1** for packaging and upload
- Assign to a group of devices



Hint: <https://learn.microsoft.com/en-us/answers/questions/1659638/weve-detected-a-microsoft-intune-powershell-script>



Demo Time

This is a highly detailed and imaginative digital illustration. The scene is set in a fantastical, cozy living space. In the foreground, a wooden deck serves as a living area, featuring a large, comfortable sofa with blue cushions, a low wooden coffee table, and a wicker rocking chair. Several cats are scattered throughout the scene, adding to the homely atmosphere. The floor is covered with a patterned rug, and various objects like a lantern, a bowl of fruit, and a cup are visible. In the background, a large, glowing moon hangs in the sky, and a small, floating house with a thatched roof is visible. The scene is filled with magical elements, including flying birds, a small airplane, and various hanging lanterns and decorations. The overall color palette is warm and inviting, with a mix of blues, yellows, and browns.

# Working in Intune

T-Intune-11 | Managed Apps ...

Search << Refresh

Overview Search Select user Device without user

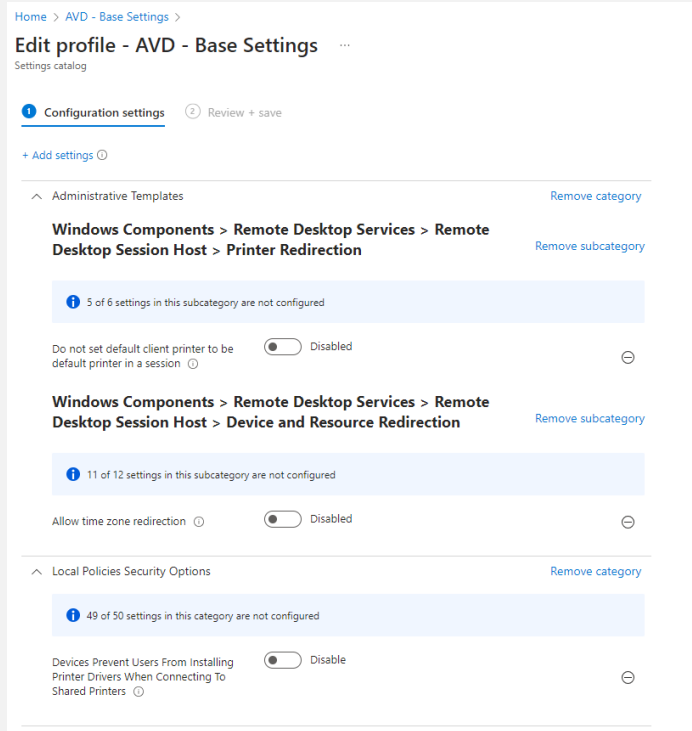
	Application ↑↓	Version ↑↓	Resolved intent ↑↓	Installation status ⓘ ↑↓
Manage	WVDAdmin from MSI	1.7.60	Required install	Waiting for install status
Properties	Country Switch	1.1.7.0_1	Required install	Waiting for install status
Monitor	Notepad++	8.5.3.0_0	Required install	Waiting for install status
Hardware	Acrobat Reader	22.3.20214.0_1	Required install	Waiting for install status
Discovered apps	OneDrive Clean-Up	1.0.4.0_1	Required install	Waiting for install status
Device compliance	Remote Desktop 6-3	1.2.4337.0_1	Required install	Waiting for install status
Device configuration				

Speed-up:

- Restart device
- Sync device



# Configuration



- In Intune Devices -> Configuration profiles
- Create a profile (like a GPO)
- Configure the settings to your needs
  - Terminal server settings (tz-red, ...)
- Assign the profile to the Golden Master group
- Wait for apply

Note: That also works “OK” for the hosts

# Configuration

Profile Containers					
Computer Configuration\FSLogix\Profile Containers					
Search to filter items...					
Setting name	↑↓	State	↑↓	Setting type	↑↓ Path
Advanced					
Cloud Cache					
Container and Directory Naming					
Delete Local Profile When VHD Should ...		Enabled		Device	\FSLogix\Profile Containers
Enabled		Enabled		Device	\FSLogix\Profile Containers
Size In MBs		Enabled		Device	\FSLogix\Profile Containers
VHD Locations		Enabled		Device	\FSLogix\Profile Containers
Install Appx Packages		Not configured		Device	\FSLogix\Profile Containers
Is Dynamic (VHD)		Not configured		Device	\FSLogix\Profile Containers
Outlook Cached Mode		Not configured		Device	\FSLogix\Profile Containers
Profile Type		Not configured		Device	\FSLogix\Profile Containers
Roam Identity		Not configured		Device	\FSLogix\Profile Containers
Roam Search Database		Not configured		Device	\FSLogix\Profile Containers

## Missing GPOs?

- Import ADMX-files
- Configuration Profiles -> Import ADMX
- **New profile for “Imported ADMX ...”**

# Configuration

↓ Export

Search by setting

Setting	↑↓	Not applicable
Redirection XML Source Folder (\FSLogix\...	1	
Access Network as Computer (\FSLogix\P...	1	
Delete Local Profile When VHD Should A...	1	
VHD Locations (\FSLogix\Profile Containe...	1	
Enabled (\FSLogix\Profile Containers)	1	
Size In MBs (\FSLogix\Profile Containers)	1	

Unfortunately – not supported on multi-user OS 🤔


So, we have to do some settings in another way

# Configuration

Home > Devices | Scripts >

## Add PowerShell script ...

1 Basics 2 **Script settings** 3 Assignments 4 Review + add

Script location \* ⓘ  

Run this script using the logged on credentials ⓘ ☐ Yes ☒ No

Enforce script signature check ⓘ ☐ Yes ☒ No

Run script in 64 bit PowerShell Host ⓘ ☒ Yes ☐ No

Run a PowerShell script  
to configure the host  
additionally

Yes, that works 😊

This is an example for an imported ADMX-file. Luckily, FSLogix configuration is now part of Intune policy

# Capturing an Image

## Clean-up before running sysprep

- Remove AAD extension:
  - HKLM:\SOFTWARE\Microsoft\Windows Azure\CurrentVersion\AADLoginForWindowsExtension
  - HKLM:\SYSTEM\CurrentControlSet\Control\CloudDomainJoin
  - Certificate: CN=MS-Organization-P2P-Access\*
- Remove Intune configuration:
  - HKLM:\SOFTWARE\Microsoft\IntuneManagementExtension
  - HKLM:\SOFTWARE\Microsoft\EnterpriseDesktopAppManagement
  - HKLM:\SOFTWARE\Microsoft\PolicyManager\current\device
- And others (removing AVD client, ...)
- Handle policies re-apply\



# Capturing an Image

```
# Removing an old intune configuration to avoid an uninstall of installed applications
LogWriter("Removing intune configuration")

if ((Get-Service -Name IntuneManagementExtension -ErrorAction SilentlyContinue) -ne $null) {
    Stop-Service -Name IntuneManagementExtension -ErrorAction SilentlyContinue -Force
}

Uninstall-Package -Name "Microsoft Intune Management Extension" -AllVersions -Force -ErrorAction SilentlyContinue
Remove-Item -Path "HKLM:\SOFTWARE\Microsoft\IntuneManagementExtension" -Recurse -Force -ErrorAction Ignore
Remove-Item -Path "HKLM:\SOFTWARE\Microsoft\EnterpriseDesktopAppManagement" -Recurse -Force -ErrorAction Ignore

# Removing an older SCCM/MECM configuration

if ((Get-Service -Name ccmexec -ErrorAction SilentlyContinue) -ne $null ) {
    Stop-Service -Name ccmexec -ErrorAction SilentlyContinue
    LogWriter("Removing SCCM/MECM configuration")
    Remove-Item -Path "$env:systemroot\smsecfg.ini" -Force -ErrorAction Ignore
    Remove-Item -Path "HKLM:\Software\Microsoft\SystemCertificates\SMS\Certificates\*" -Confirm:$false -Force -ErrorAction
}
```

**ITPC-WVD-Image-Processing.ps1**

(newest version: [https://github.com/MarcelMeurer/WVD-Hydra/blob/main/bin/app\\_data/Jobs/Continuous/WorkerEngine/Scripts/ITPC-WVD-Image-Processing.ps1](https://github.com/MarcelMeurer/WVD-Hydra/blob/main/bin/app_data/Jobs/Continuous/WorkerEngine/Scripts/ITPC-WVD-Image-Processing.ps1))

# Capturing an Image

Using WVDAdmin or Hydra

- Includes clean-up
- Doesn't destroy the master

Note: Start the master after imaging in the Azure Portal to recreate the link to the host pool



## Master VM

Windows 10, domain-joined



## Preparation

Installation and configuration  
with Intune



## Temporary VM

Exact copy of the Golden  
Master



## Sysprep + Generalize

Generalize Windows, often  
more difficult than expected



## Image

Generate an image





Demo Time

# Host Life-Cycle



If you delete a host:

- Remove device in AAD
- Remove device in Intune (optional)

Hydra can remove devices on-delete automatically

## Session hosts for host pool Global-Office


2 hosts are in the pool (2 selected)

Search for a specific host or for Running, Off, In creation, In script, In action, In sessions, In...		
Select	State	Session host name
<input checked="" type="checkbox"/>		<b>AVD-Intune-01</b> <ul style="list-style-type: none"><li>Running the pre-delete script or collection</li><li>Starting script / script collection engine</li><li>Starting script collection: Built-in: Remove device from Azure Active Directory before deleting host</li><li>Enabling drain-mode</li><li>Scripts - Starting a script block with 1 script(s)</li></ul>
<input checked="" type="checkbox"/>		<b>AVD-Intune-02</b> <ul style="list-style-type: none"><li>Running the pre-delete script or collection</li><li>Starting script / script collection engine</li><li>Starting script collection: Built-in: Remove device from Azure Active Directory before deleting host</li><li>Enabling drain-mode</li><li>Scripts - Starting a script block with 1 script(s)</li></ul>

 SELECT PAGE

 UPDATE

# Summary

- For personal pools with Win10/11 Enterprise: 
- Not everything works in multi-user with Intune
- Use the extension “AADLoginForWindows” V2 with MDM parameter
- Use PowerShell or tools to capture an image without losing the data (WVDAdmin, Hydra)
- Not every configuration survives Sysprep (workaround or tools like Hydra)
- Clean-up:
  - Azure AD Device
  - Intune Device (optional, but looks better)



# Links

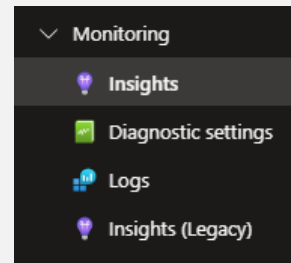
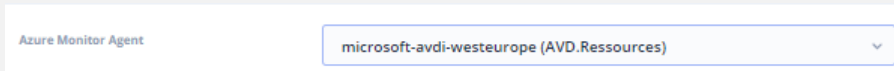
- WVDAdmin  
<https://blog.itprocloud.de/Windows-Virtual-Desktop-Admin/>
- Hydra for Azure Virtual Desktop  
<https://github.com/MarcelMeurer/WVD-Hydra>

One or two other points

Retirements and Breaking Changes 

# Retirements and Breaking Changes

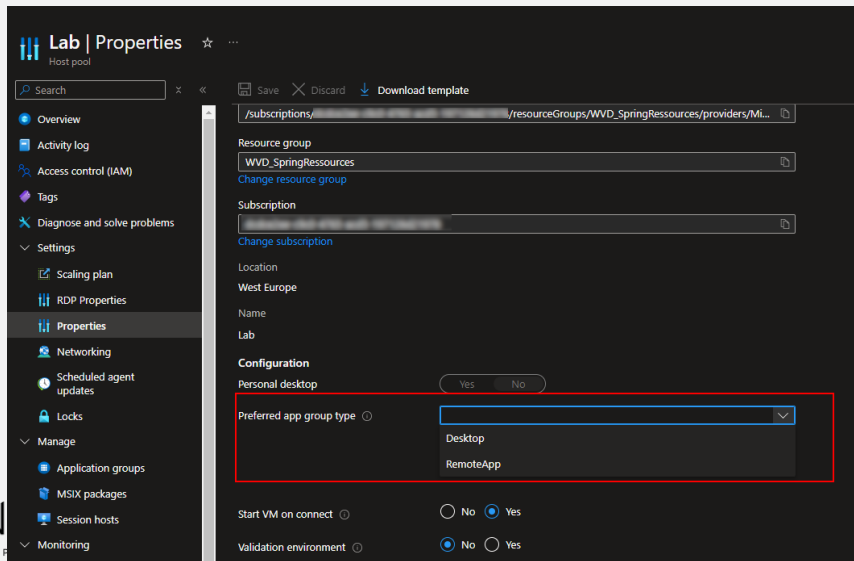
- Azure Log Analytics Agent – August 2024
  - Uninstall the old Log Analytics Agent
  - Prepare the configuration for the new AMA (right insights)
  - Deploy the new agent
  - Or redeploy with the new agent (also available in Hydra)





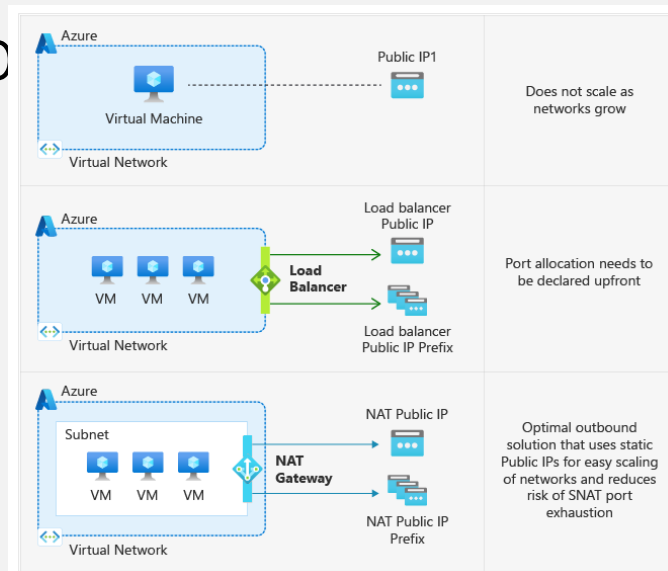
# Retirements and Breaking Changes

- Preferred App Group Type – around July
  - A single user to a pool can only see the desktop or the remote apps



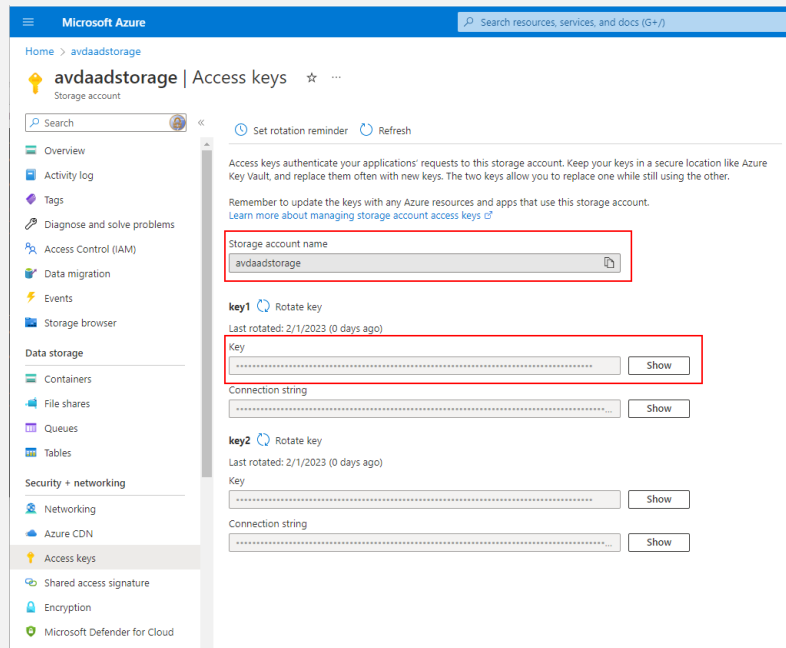
# Retirements and Breaking Changes

- Azure Default Outbound – September 2020
  - No Internet access by default
  - You need one of the following methods:
    - Public IP
    - Load-balancer
    - NAT Gateway (#1)
    - Router / Appliance



<https://learn.microsoft.com/en-us/azure/virtual-network/ip-services/default-outbound-access>

# Hint: FSLogix Cloud Only IDs



- Doesn't work by design
- User's identity today is not known by Azure files
- Workaround:
  - Configure FSLogix to run in the system account
  - Give system account storage account identity
  - Only use one storage account for profiles and not for other data
- <https://blog.itprocloud.de/Using-FSLogix-file-shares-with-Azure-AD-cloud-identities-in-Azure-Virtual-Desktop-AVD/>

# Hint: FSLogix Cloud Only IDs

```
write-host "Configuring FSLogix"
$fileServer="avdaadstorage.file.core.windows.net"
$profileShare="\\${$fileServer}\profiles"

$user="localhost\avdaadstorage"
$secret="#####"

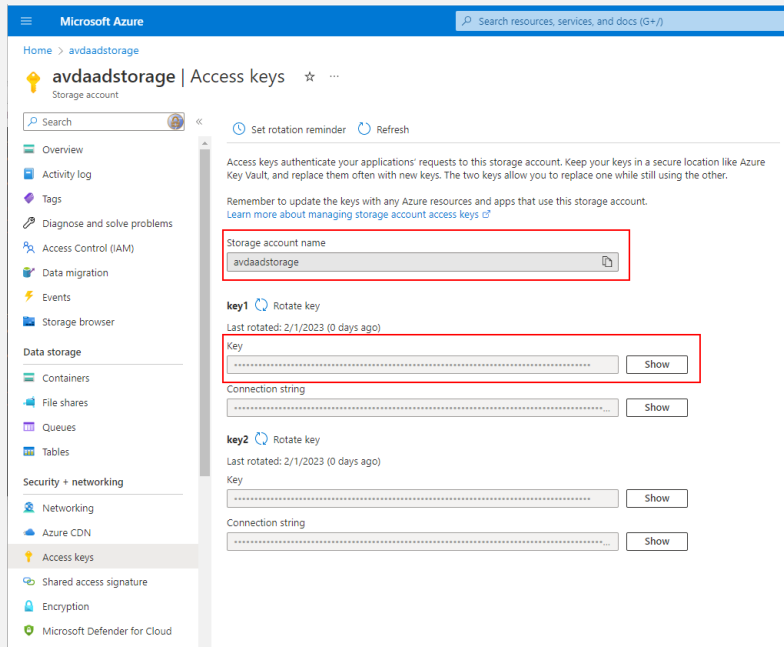
New-Item -Path "HKLM:\SOFTWARE" -Name "FSLogix" -ErrorAction Ignore
New-Item -Path "HKLM:\SOFTWARE\FSLogix" -Name "Profiles" -ErrorAction Ignore
New-ItemProperty -Path "HKLM:\SOFTWARE\FSLogix\Profiles" -Name "Enabled" -Value 1 -force
New-ItemProperty -Path "HKLM:\SOFTWARE\FSLogix\Profiles" -Name "VHDLocations" -Value $profileShare -force
New-ItemProperty -Path "HKLM:\SOFTWARE\FSLogix\Profiles" -Name "ConcurrentUserSessions" -Value 1 -force
New-ItemProperty -Path "HKLM:\SOFTWARE\FSLogix\Profiles" -Name "DeleteLocalProfileWhenVHDShouldApply" -Value 1 -force
New-ItemProperty -Path "HKLM:\SOFTWARE\FSLogix\Profiles" -Name "FlipFlopProfileDirectoryName" -Value 1 -force
New-ItemProperty -Path "HKLM:\SOFTWARE\FSLogix\Profiles" -Name "IsDynamic" -Value 1 -force
New-ItemProperty -Path "HKLM:\SOFTWARE\FSLogix\Profiles" -Name "KeepLocalDir" -Value 0 -force
New-ItemProperty -Path "HKLM:\SOFTWARE\FSLogix\Profiles" -Name "ProfileType" -Value 0 -force
New-ItemProperty -Path "HKLM:\SOFTWARE\FSLogix\Profiles" -Name "SizeInMBs" -Value 40000 -force
New-ItemProperty -Path "HKLM:\SOFTWARE\FSLogix\Profiles" -Name "VolumeType" -Value "VHDX" -force
New-ItemProperty -Path "HKLM:\SOFTWARE\FSLogix\Profiles" -Name "AccessNetworkAsComputerObject" -Value 1 -force

# Store credentials to access the storage account
cmdkey.exe /add:$fileServer /user:${$user} /pass:${$secret}

# Disable Windows Defender Credential Guard (only needed for Windows 11 22H2)
New-ItemProperty -Path "HKLM:\SYSTEM\CurrentControlSet\Control\Lsa" -Name "LsaCfgFlags" -Value 0 -force

write-host "The script has finished."
```

# Hint: FSLogix Cloud Only IDs



- Script deployment with Intune
- Challenge: Sysprep remove the secret of the storage account
- Workaround: Use PowerShell to remember

# Hint: FSLogix Cloud Only IDs

Or: Run the script after rollout of a new host

The screenshot shows the 'Hydra' web interface for configuring a 'Host Pool - AAD-Only'. The left sidebar contains navigation links: Dashboard, User Sessions, Image Builder, Create an Image, Scripts and Collections, Scripts, Collections, Azure Resources, My Sessions & Hosts, Logs, Role Based Access, and Tenants. The main content area is titled 'Host Pool configuration - AAD-Only' and has tabs for BASE, AUTO HEALTH, NEW SESSION HOST ROLLOUT, AUTOSCALE & AUTOSHUTDOWN, SESSION TIMEOUTS, SCRIPT SCHEDULES, and TAGS. The 'BASE' tab is active, showing the 'Base Configuration' section. This section includes dropdowns for 'Local time zone' (set to UTC+01:00 Amsterdam, Berlin, Bern, Rome, St...), 'Auto-change disk type' (set to Premium SSD), and 'The time span to measure logins per minute' (set to 15 minutes). Below this is a section for 'Run script or collection on specific events' with an 'On Delete' dropdown set to 'None'. The 'Service Account' section contains optional instructions and a note that the service account is used for removing FSLogix profiles. It features input fields for 'Service Account Name' (localhost\avdaadstorage) and 'Service Account Password' (masked with dots), both highlighted with a red border. An 'Advanced settings' section is partially visible at the bottom, and a blue 'SAVE' button is in the bottom right corner.

Hydra

mm-admin@ITProCloud.de

## Host Pool configuration - AAD-Only

**BASE** AUTO HEALTH NEW SESSION HOST ROLLOUT AUTOSCALE & AUTOSHUTDOWN SESSION TIMEOUTS SCRIPT SCHEDULES TAGS

### Base Configuration

Local time zone: (UTC+01:00) Amsterdam, Berlin, Bern, Rome, St... The time span to measure logins per minute: 15 minutes

Auto-change disk type: Premium SSD

**Run script or collection on specific events**  
Optional: You can run a script or collection in case of specific events. For e.g., you can run the collection "BuiltIn: Remove device from Azure Active Directory before deleting host" automatically before deleting a session host in an AAD only environment. This ensures that the device is removed from Azure AD first.

On Delete: None

**Service Account**  
Optional: Enter a service account to execute tasks in the local environment. E.g., A service account with full permission to the profile storage is needed to allow administrators and help desk removing FSLogix profiles of users.

The service account is used for: Removing FSLogix profiles

Service Account Name: localhost\avdaadstorage Service Account Password: [REDACTED]

Advanced settings

SAVE

# Hint: FSLogix Cloud Only IDs

Did you know? Managing clients / endpoints with Hydra

Hydra

mm-admin@ITProCloud.de

### Endpoints

5 endpoints

Search for a specific name, user, tenant, IP, ...

Select	Name	Active User	Utilization	IPs	Boot Time	OS Version	AAD Tenant	Intune Managed	Registered Intune Apps	Device ID (Aad/Intune)
<input type="checkbox"/>	021...	...		...	5/17/23, 8:26 AM	Microsoft Windows 11 Business 10.0.22621	...	<input checked="" type="checkbox"/>	2	...
<input type="checkbox"/>	011...	...		...	5/12/23, 11:29 AM	Microsoft Windows 11 Pro 10.0.22621	...	<input checked="" type="checkbox"/>	1	...
<input type="checkbox"/>	03...	...		...	5/10/23, 9:19 AM	Microsoft Windows 11 Business 10.0.22621	...	<input checked="" type="checkbox"/>	0	...
<input type="checkbox"/>	011...	...		...	5/17/23, 7:42 AM	Microsoft Windows 10 Business 10.0.19045	...	<input checked="" type="checkbox"/>	0	...
<input type="checkbox"/>	031...	...		...	5/17/23, 11:15 AM	Microsoft Windows 11 Business 10.0.22621	...	<input checked="" type="checkbox"/>	0	...

1

SELECT PAGE

UPDATE

CPU% MEM% ProcQ StorageQ

Thanks a lot 🙏

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