



ONLINE – 18.11.2021



AVD as a gaming console?

Freek Berson

02:55pm – 03:45pm (CET)

05:55am - 06:45am (PST)





















DIAMOND SPONSORS







GOLD SPONSORS











SILVER SPONSORS

10ZiG. coligo

LinkedIn

Twitter

Hashtag

in

WVDTechFest



@WVDTechFest



AVDTECHFEST



Azure Virtual Desktop as a gaming console?

Freek Berson
@fberson
freek@wortell.nl
TheMicrosoftPlatform.net







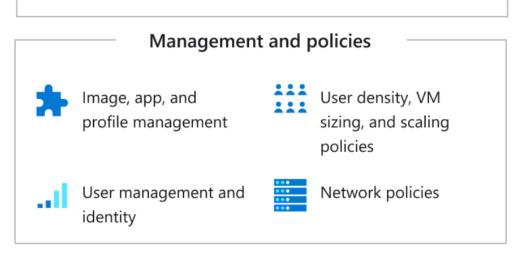




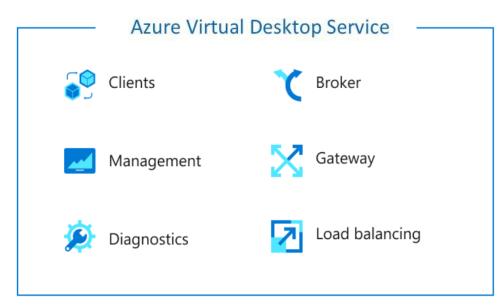
Azure Virtual Desktop

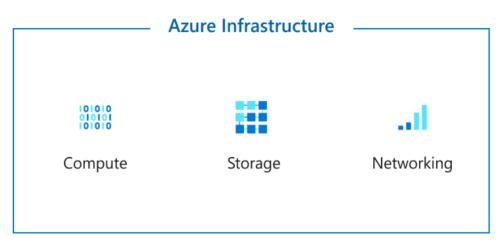
Your subscription—your control

Desktop and remote apps Full desktop Remote app Windows 10 enterprise multi-session Windows 10 enterprise Mindows 7 enterprise full desktop



Managed by Microsoft











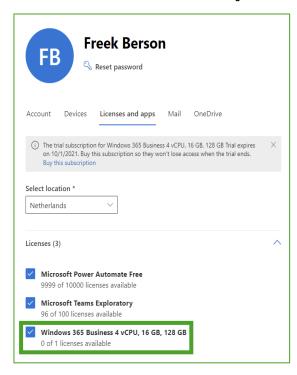


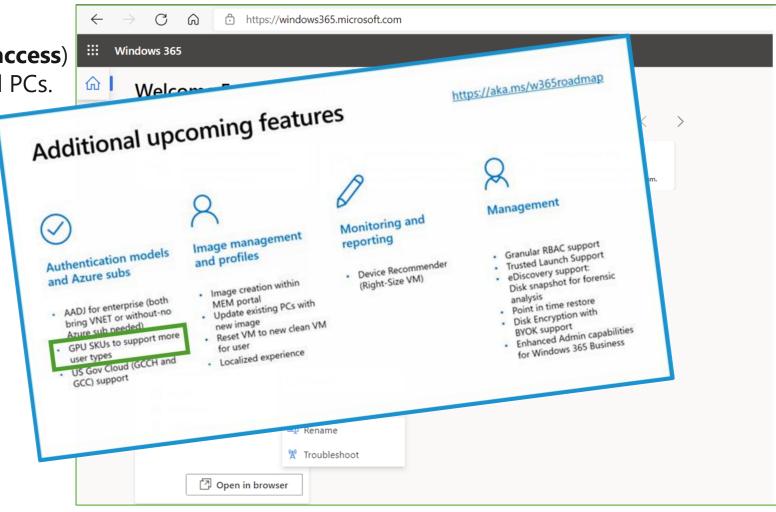




Windows 365 – Cloud PC

- ✓ Leveraging the AVD Platform
- ✓ Azure AD Joined personal desktops
- ✓ Per-user per-month **fixed license** (**24/7 access**)
- ✓ MEM is used to manage all of your Cloud PCs.
- Business and Enterprise editions



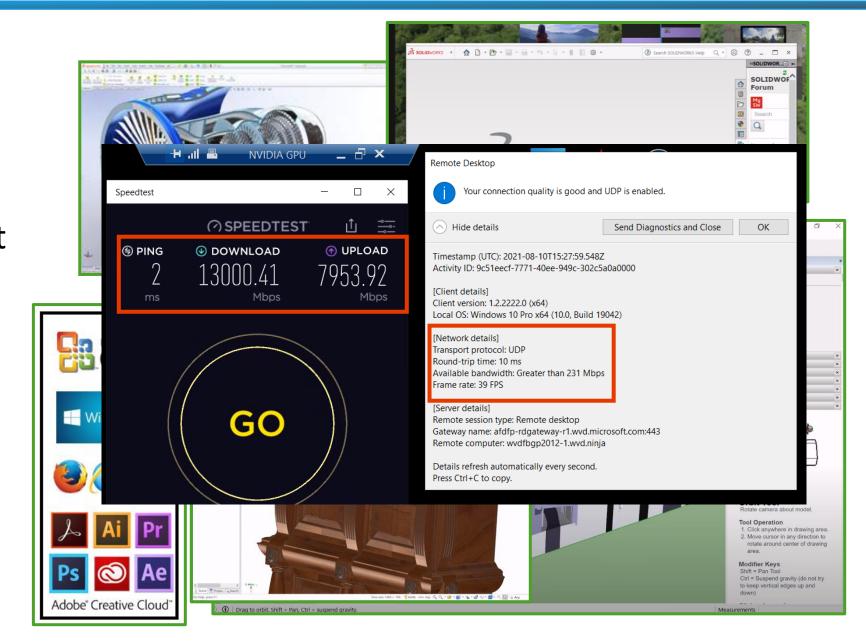




WHY: GPU in Remoting Windows

Many applications benefit from GPU to increase performance and user experience!

DEMO: GPU vs non-GPU





Compare: GPU vs non-GPU





HOW: GPU in Remoting Windows

✓ Choose a GPU enabled SKU

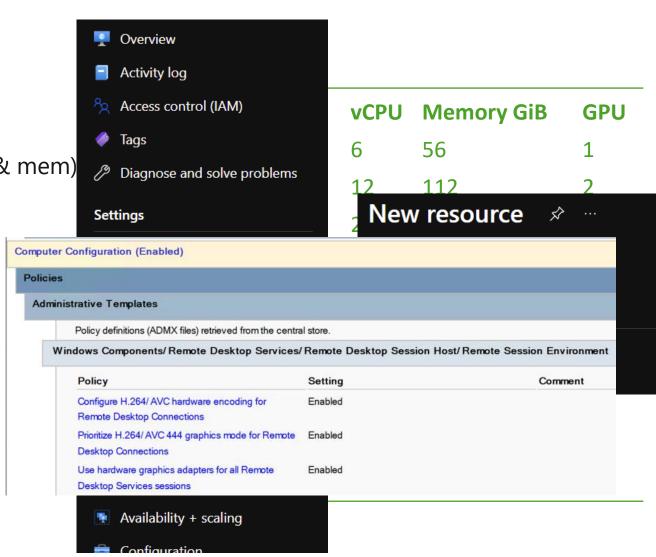
- ✓ NV-series (Nvidia Tesla M60)
- ✓ NVv3-series (Nvidia Tesla M60 + more CPU & mem)
- ✓ NVv4-series (AMD Radeon Instinct MI25)
- ✓ NVv5-series ?

✓ Install the GPU Drivers

- ✓ Using Azure VM Extensions
- ✓ Install driver manually
- ✓ Verify installation (device manager)

✓ Configure GPU remoting

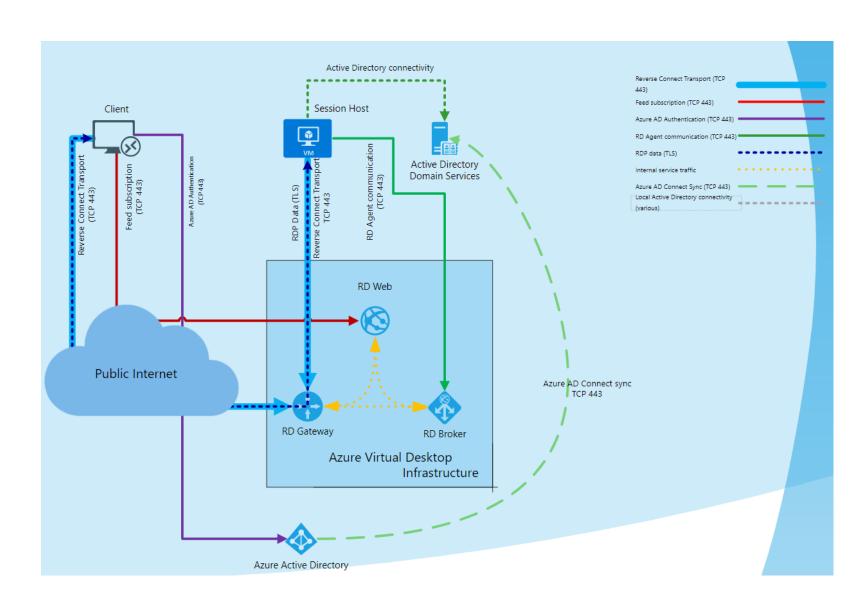
- ✓ GPO, Intune
- ✓ Registry
- ✓ 3rd party





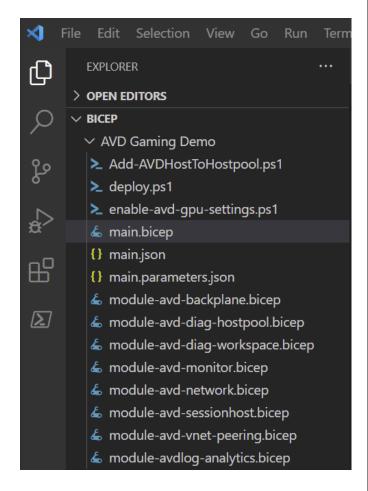
RDP Shortpath

- ✓ direct connectivity between client and AVD Session Host
- ✓ Provides RDP-UDP
- ✓ Options for configuring Quality of Service (QoS)
- ✓ Reduces round trip latency





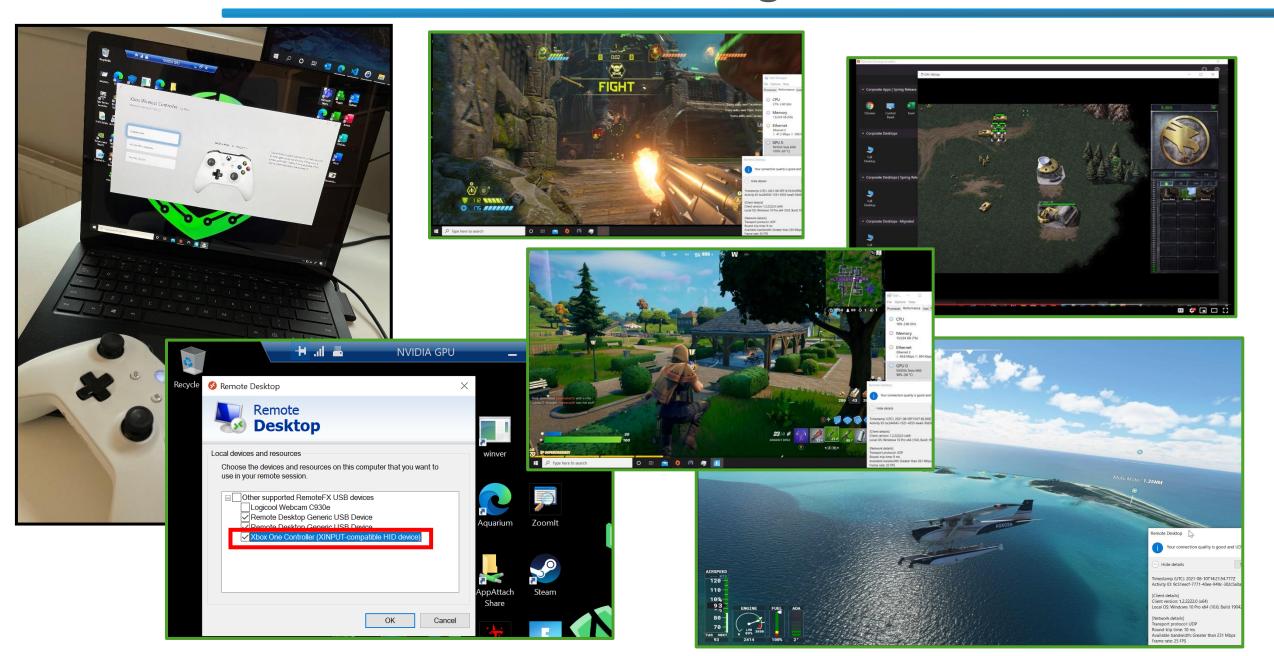
DEMO: Deploying the scenario with Bicep



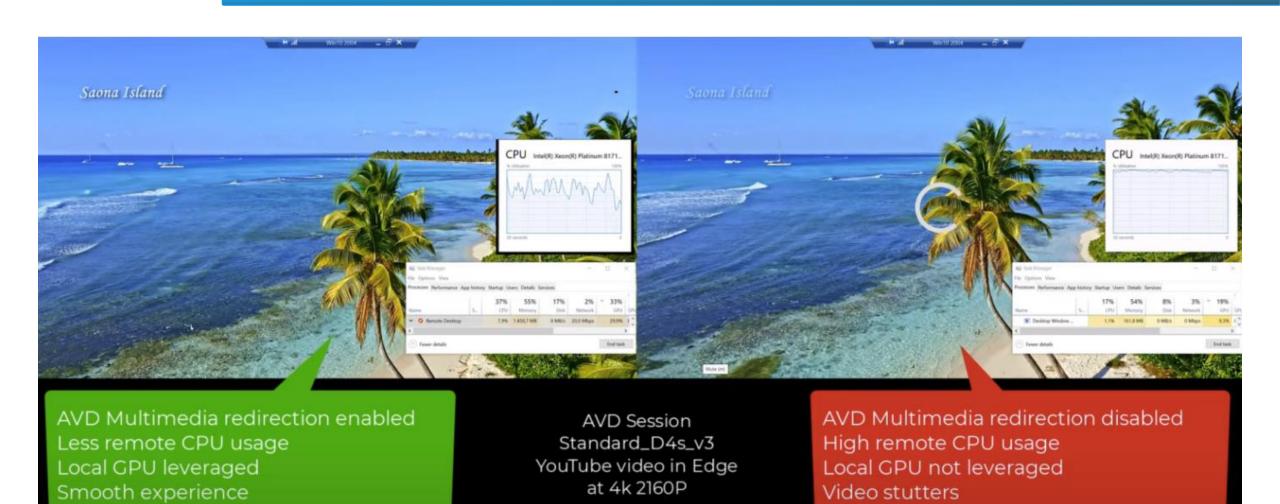




DEMO: AVD Gaming console

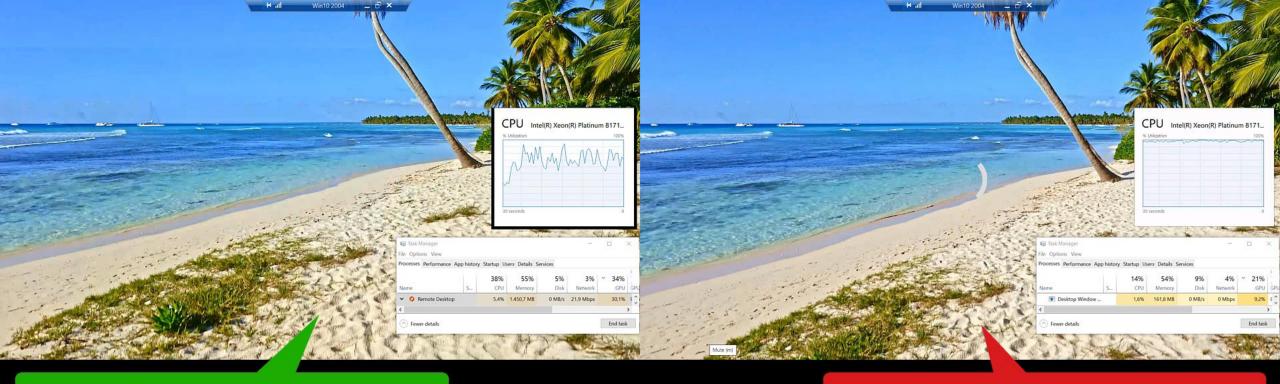


AVD Multimedia Redirection (preview)





https://www.youtube.com/watch?v=i1Z4EuPDoCw

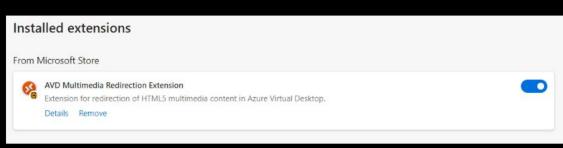


AVD Multimedia redirection enabled Less remote CPU usage Local GPU leveraged Smooth experience

AVD Session
Standard_D4s_v3
YouTube video in Edge
at 4k 2160P

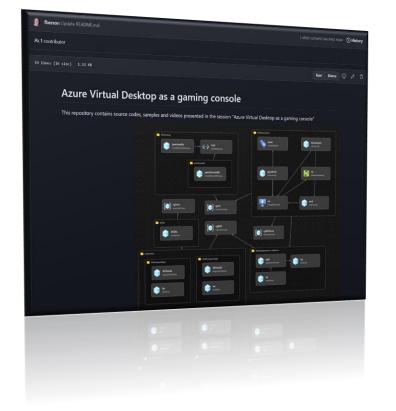
AVD Multimedia redirection disabled High remote CPU usage Local GPU not leveraged Video stutters





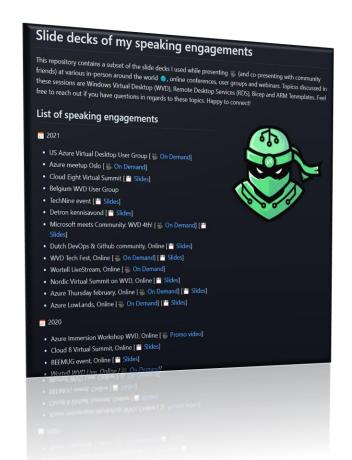
More info on AVD Multimedia Redirection: https://docs.microsoft.com/en-us/azure/virtualdesktop/multimedia-redirection

Call to action!





https://bit.ly/3AAcwfw





https://github.com/fberson/Slidedecks



@fberson: Tweet about this session and win a copy of the book 'Getting started with Bicep'



Azure Virtual Desktop as a gaming console?

THANK YOU!

Freek Berson

@fberson

freek@wortell.nl

TheMicrosoftPlatform.net











Empowering AVD Image deployments with Azure Pipelines, Bicep and Liquit!

Tue, Dec 7, 2021 3:00 PM - 4:00 PM CET

Freek Berson

@fberson

freek@wortell.nl

TheMicrosoftPlatform.net









