May 31 – June 2, Oslo Spektrum

10th anniversary

Petter Arnesen

The jungle of Azure Virtual Desktop scenarios/setups

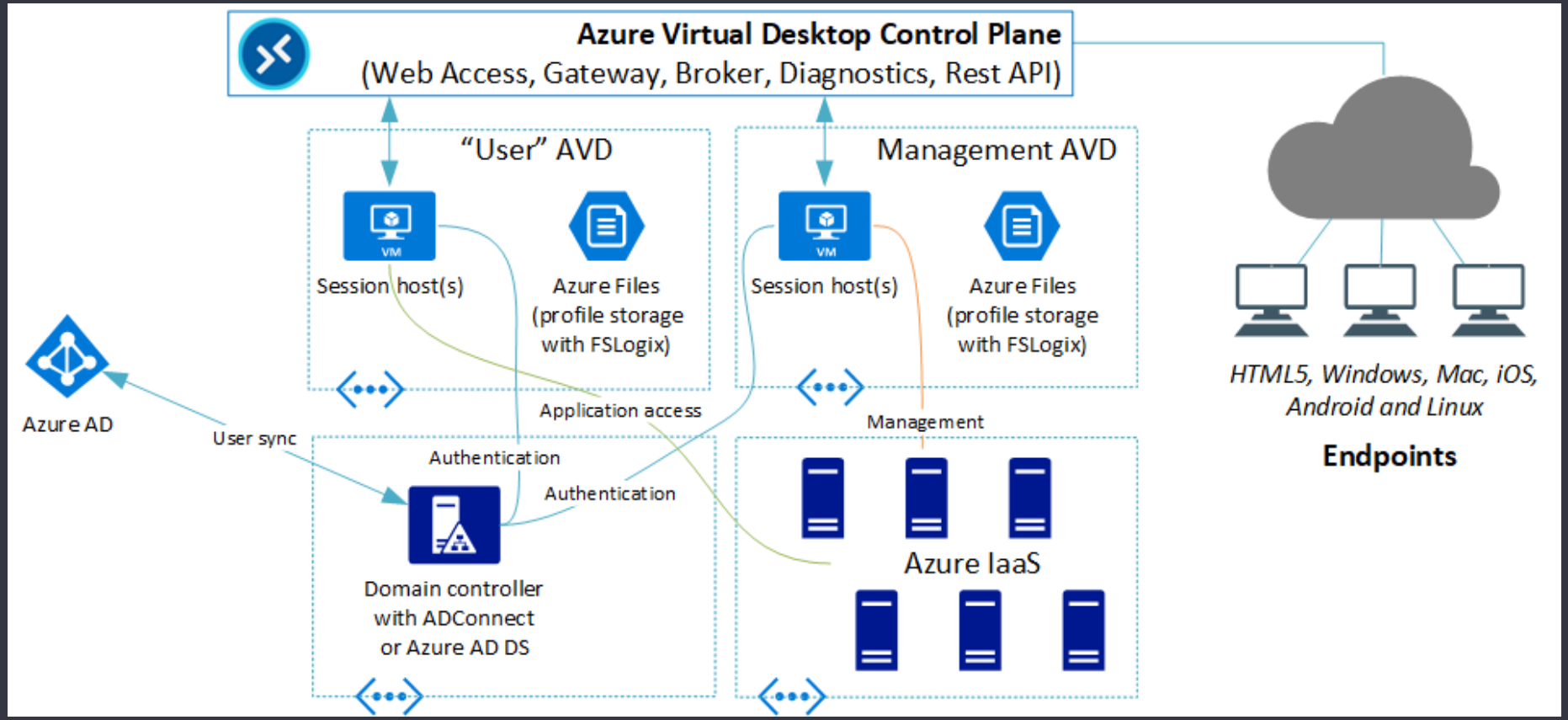
Petter Arnesen

- Senior Consultant @ Aztek
- Azure MVP
- Twitter: @PetterTech
- youtube.com/PetterTech
- twitch.tv/PetterTech
- linkedin.com/in/PetterTech

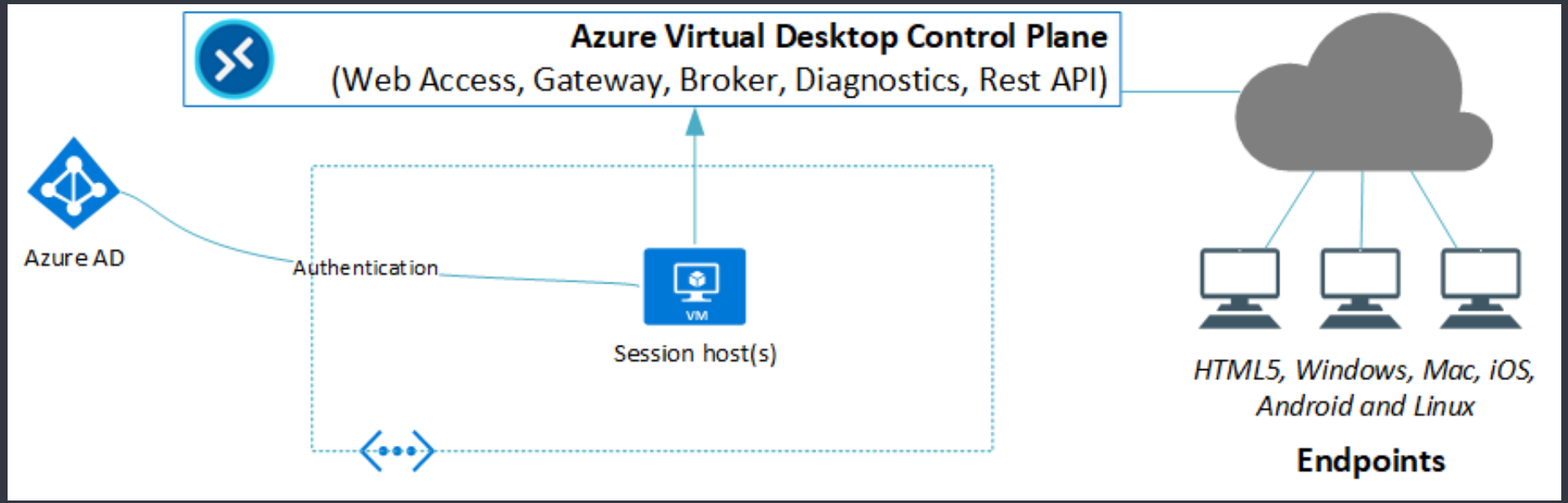
Azure Virtual Desktop

The jungle of scenarios/setups

Azure Virtual Desktop



Azure Virtual Desktop



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Azure Virtual Desktop

- Simple desktop in the cloud (AAD joined)
- Simple desktop in the cloud (AD or AAD DS joined)
- Lift-n-shift starting point
- Work efficiently from cheap hardware
- Offload certain applications/workloads
- Management of Azure IaaS
- Traditional RDS
- Locked down environments
- FSLogix
- CAF
- Single sign-on
- Shortpath
- Multimedia redirection
- Azure Stack HCI
- Start vm on connect
- Scaling plans
- Gaming?
- (imaging)
- (Nerdio)

Simple desktop in the cloud

Simple desktop in the cloud

- Either AAD joined session hosts or AD/AAD DS joined
- Quite similar to Windows 365
- Easy setup

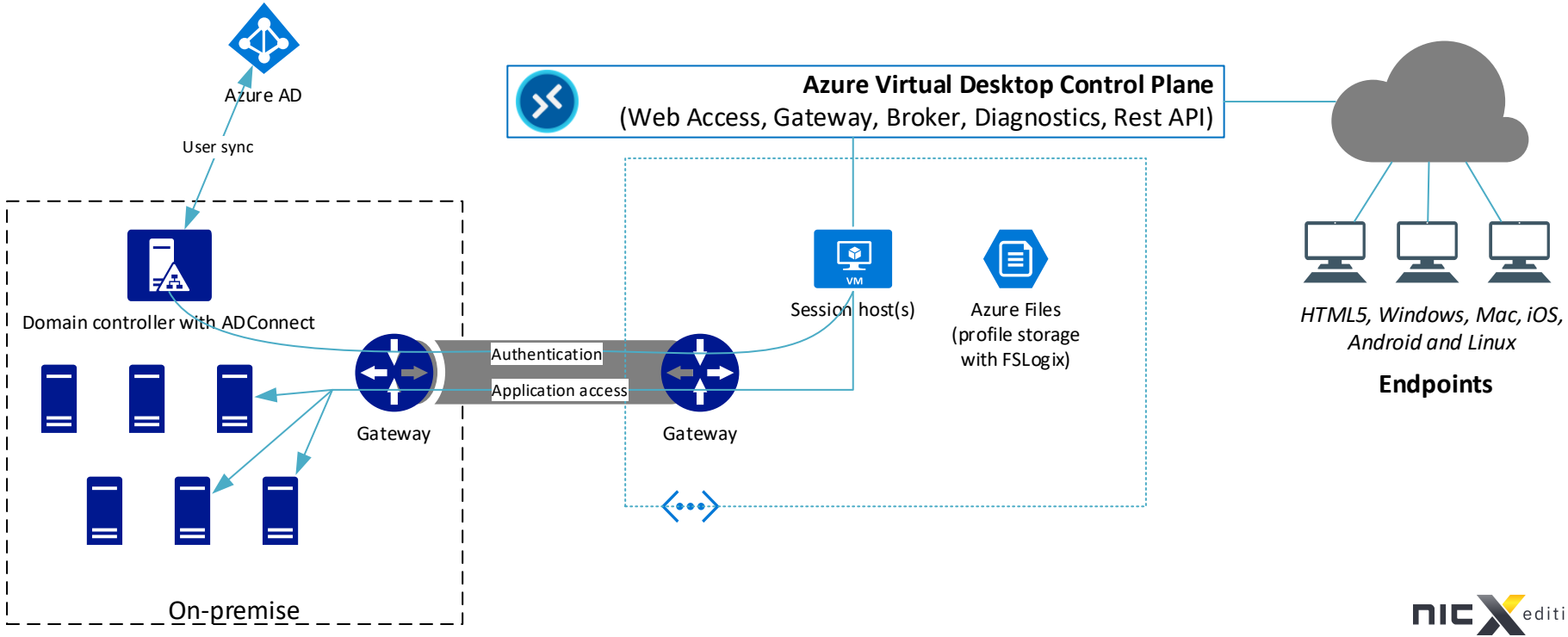
Demo

Lifting and shifting

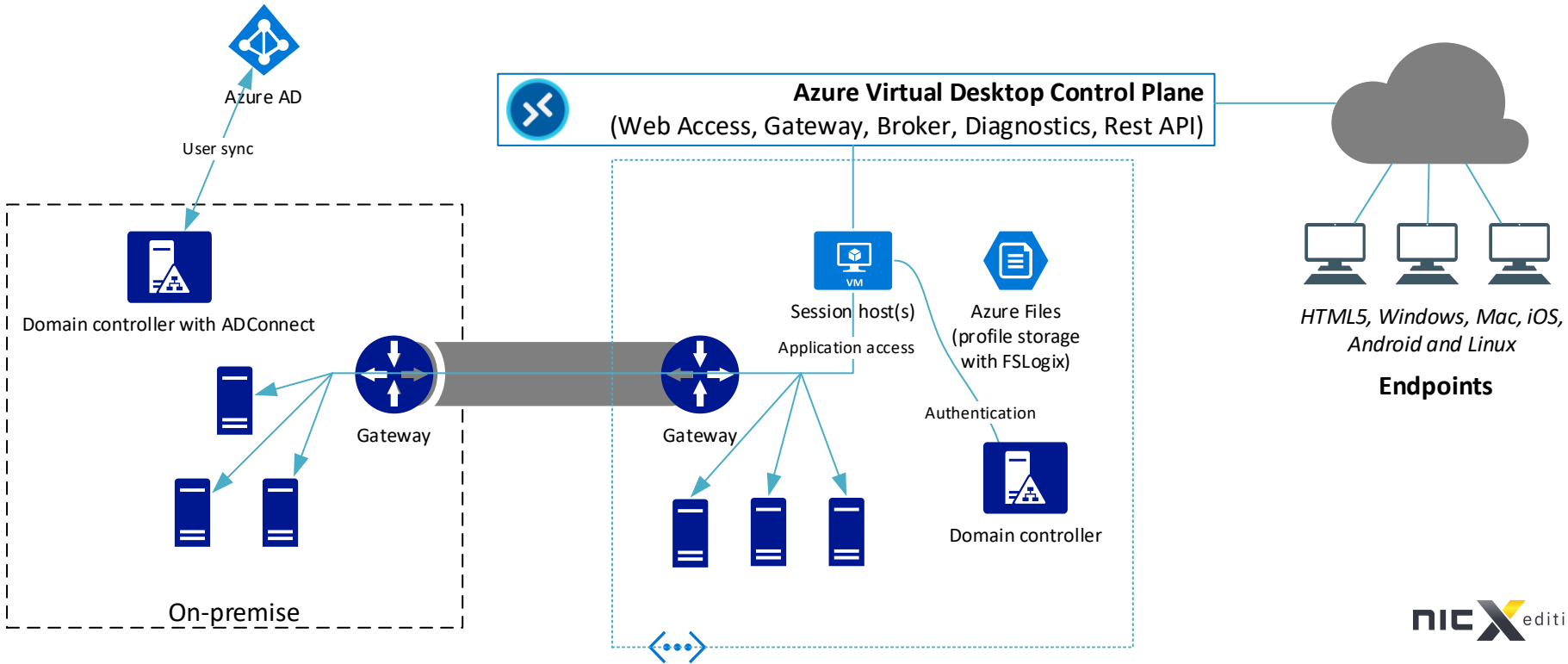
Lifting and shifting

- AVD as first step in lift-n-shift to Azure
- Establish connection
- Move users to AVD
- Move apps and infra to Azure
- Kill on-prem (or keep it)

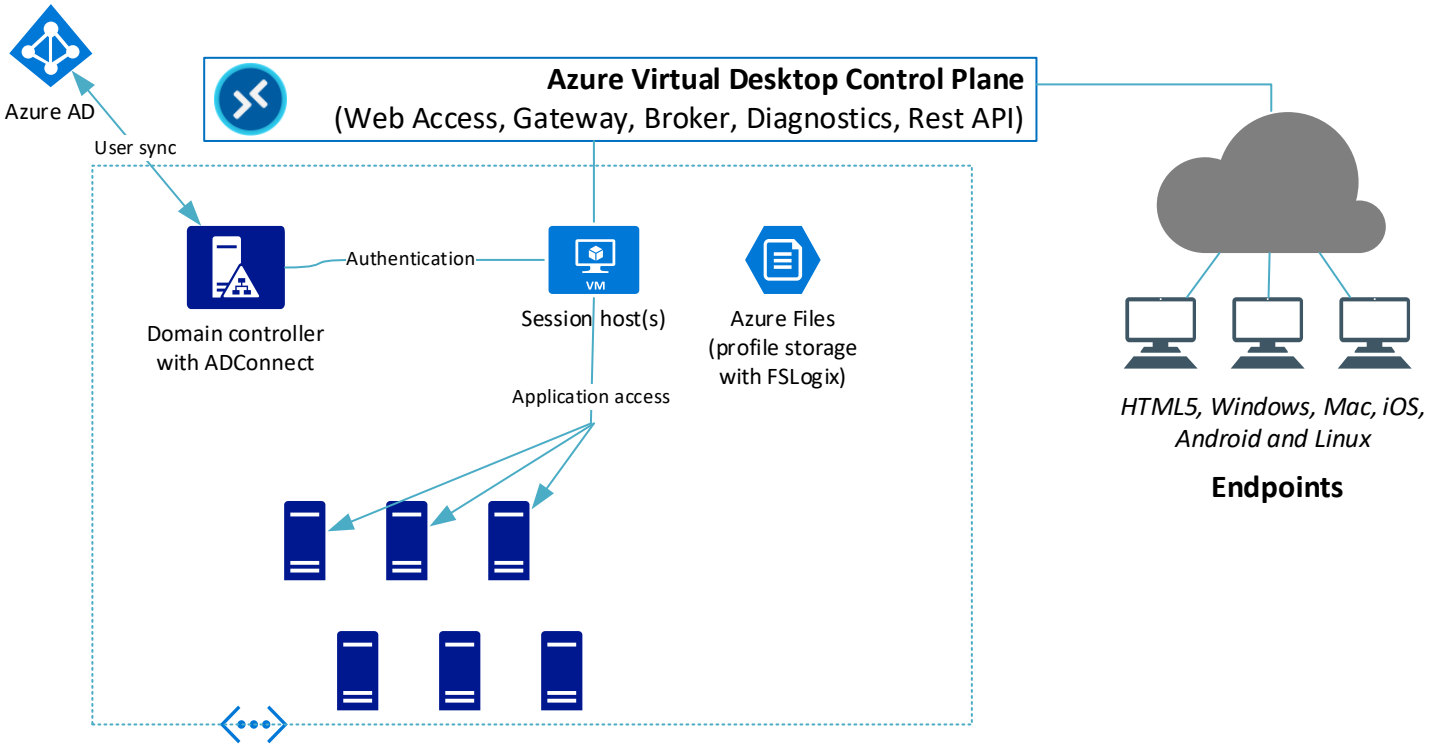
Lifting and shifting



Lifting and shifting



Lifting and shifting



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Offload certain applications/workloads

Offload certain applications/workloads

- Run heavy tasks
  - AND continue to work
- Use RemoteApp
- E.g. renders, compiles++

Demo

Management of Azure IaaS

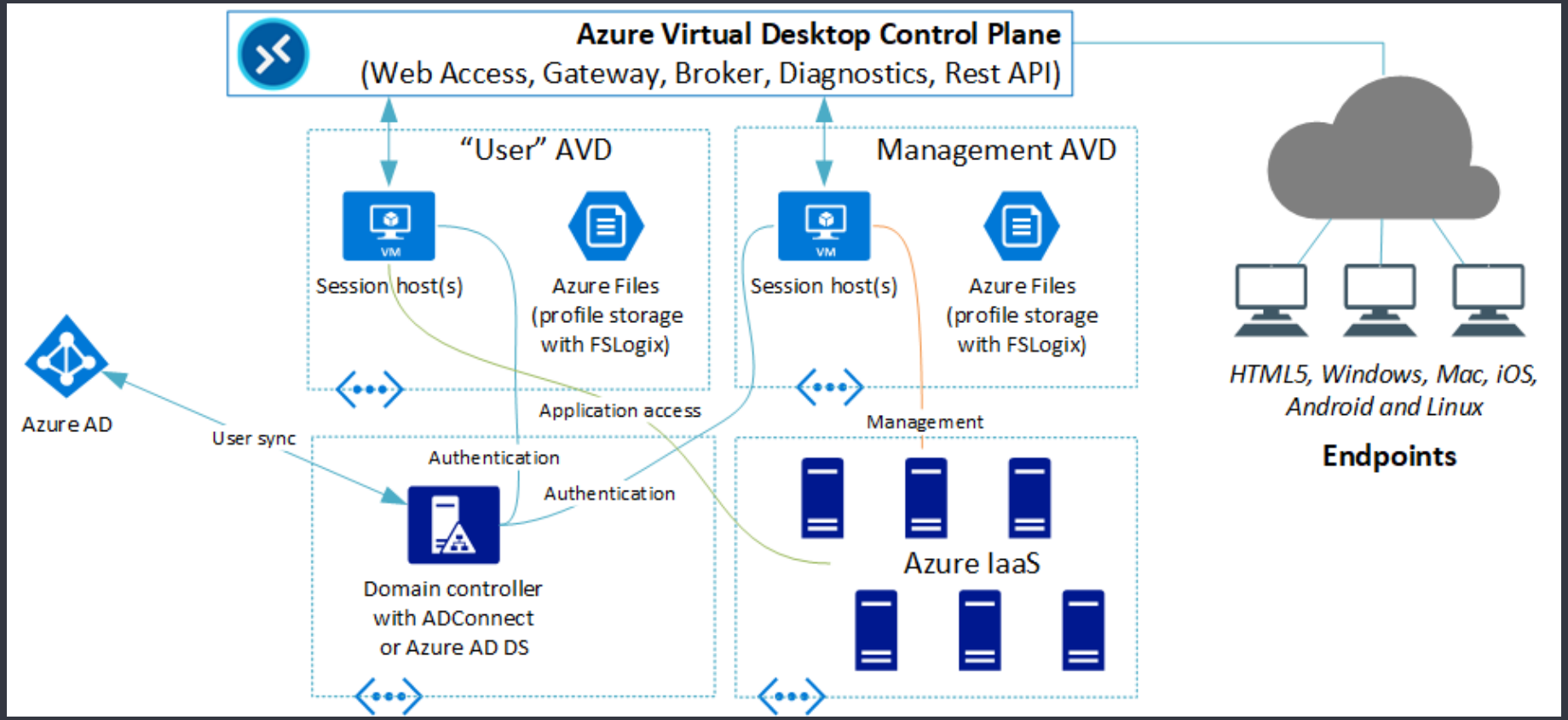
Management of Azure IaaS

- Exposed jumphosts are no-go
- AVD can function as jumphosts
  - Unexposed to internet
- Side by side “regular” AVD
- What about Bastion?

Management of Azure IaaS

- What about Bastion?
  - Zero maintenance
  - (Probably) lower cost
  - No support for UDR
  - Via native client is a bit cumbersome

Management of Azure IaaS



Locked down environments

Locked down environments

- Block local drives, printers, cameras etc.
- Shorter session time limits
- Block screen captures
- Isolated session hosts

Demo

FSLogix

FSLogix

- Recommended profile storage
- No additional cost
- Requires software on session hosts
- Faster than UPD
- More reliable than RUP
- More compatible than ESR

FSLogix

- Profiles stored on Azure Files, Azure NetApp Files or fileshare
- Stored as VHD/VHDX
- Attaches at logon
- Supports multiple logons
- Requires Kerberos to work

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Demo

CAF

Cloud Adoption Framework

- What:
  - Guidance
  - Recommendations
  - Best practices
  - Documentation

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Cloud Adoption Framework

- By:
  - Microsoft employees
  - Partners
  - Customers
  - MVPs

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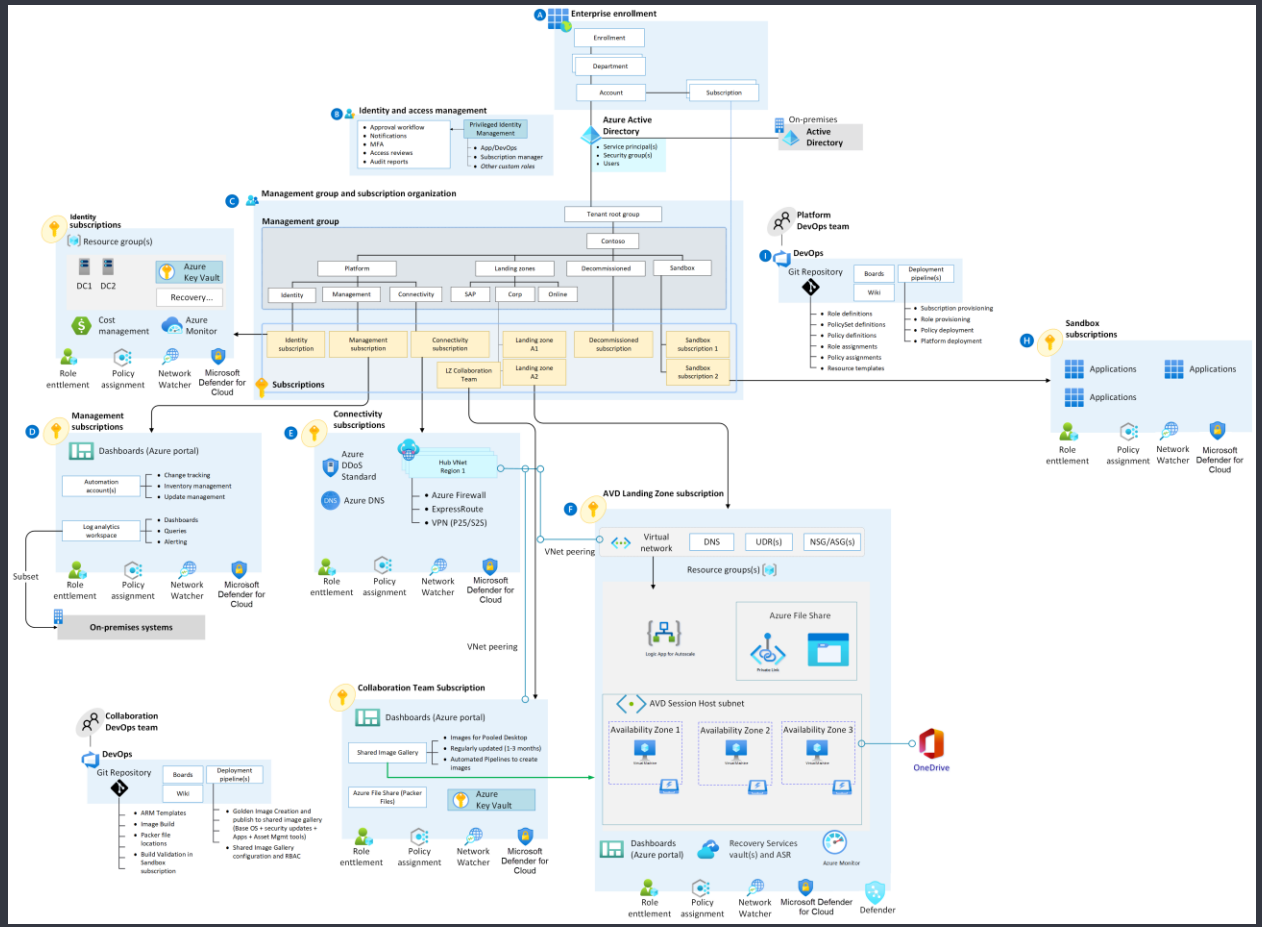
Cloud Adoption Framework

- Why:
  - Don’t repeat other’s mistakes
  - Don’t reinvent the wheel
  - Remember the things that seem unimportant

Cloud Adoption Framework

- How does it relate to AVD?

Cloud Adoption Framework



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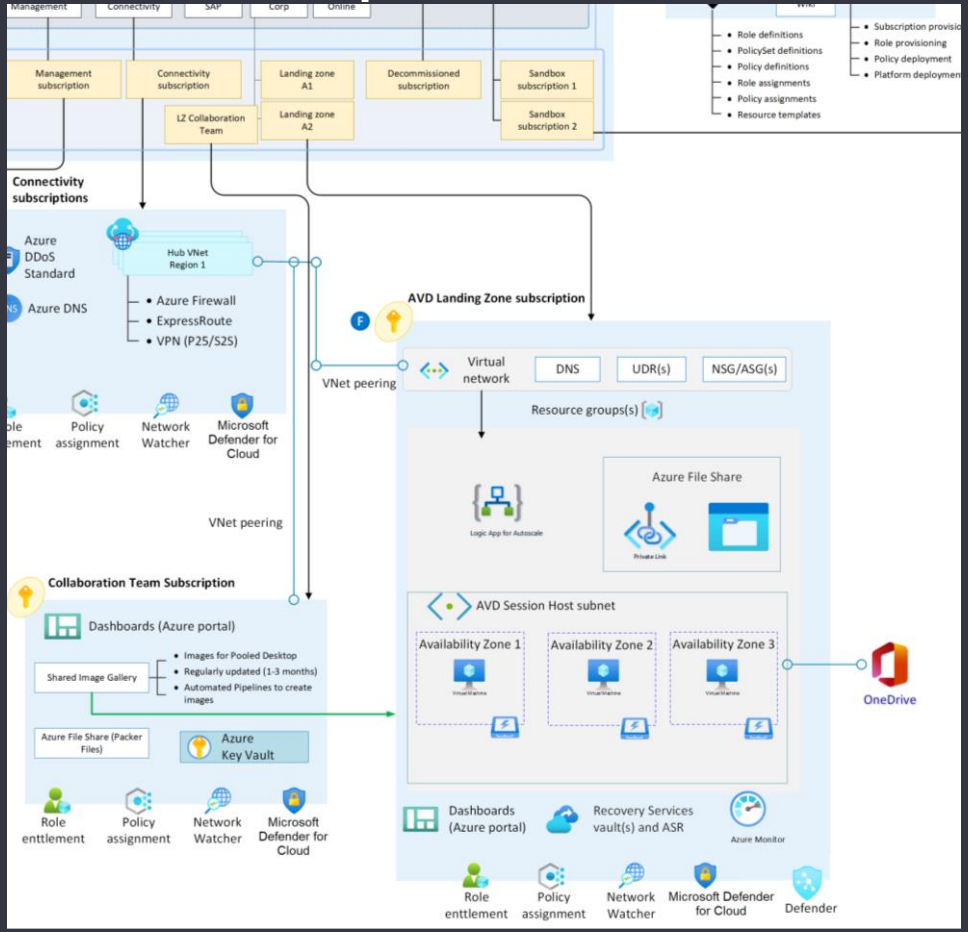
Cloud Adoption Framework



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Singel sign-on

Singel sign-on

- You sign into the service, then to the session host

Singel sign-on

- You sign into the service, then to the session host
  - To the service: sso via AAD
  - To the session host: NTLM or Kerberos

Singel sign-on

- You sign into the service, then to the session host
- Requires ADFS
  - Even then only supported on Windows and web
- Windows Hello can work
  - Documentation says No
  - Out of the box on AAD joined
  - Via ADFS on AD joined

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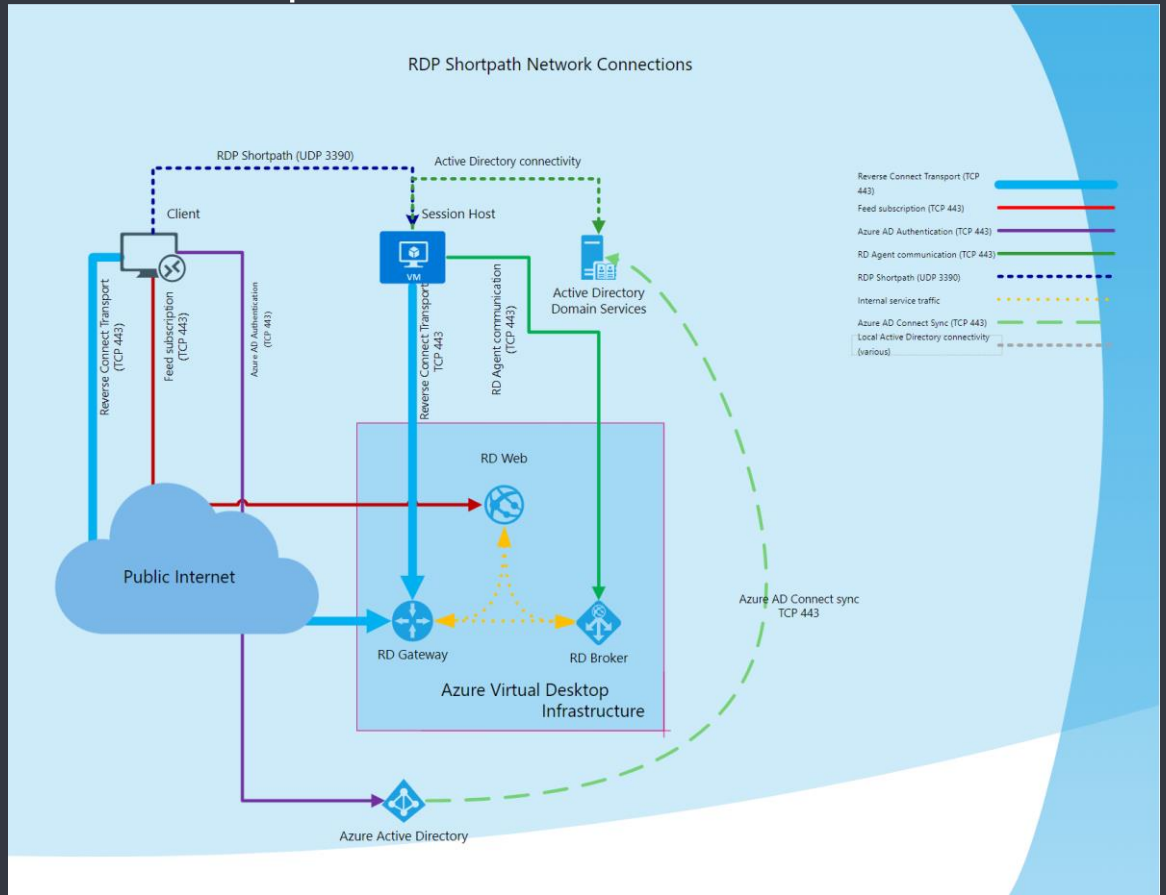
Shortpath

Shortpath

- Taking the shortest path between client and session host

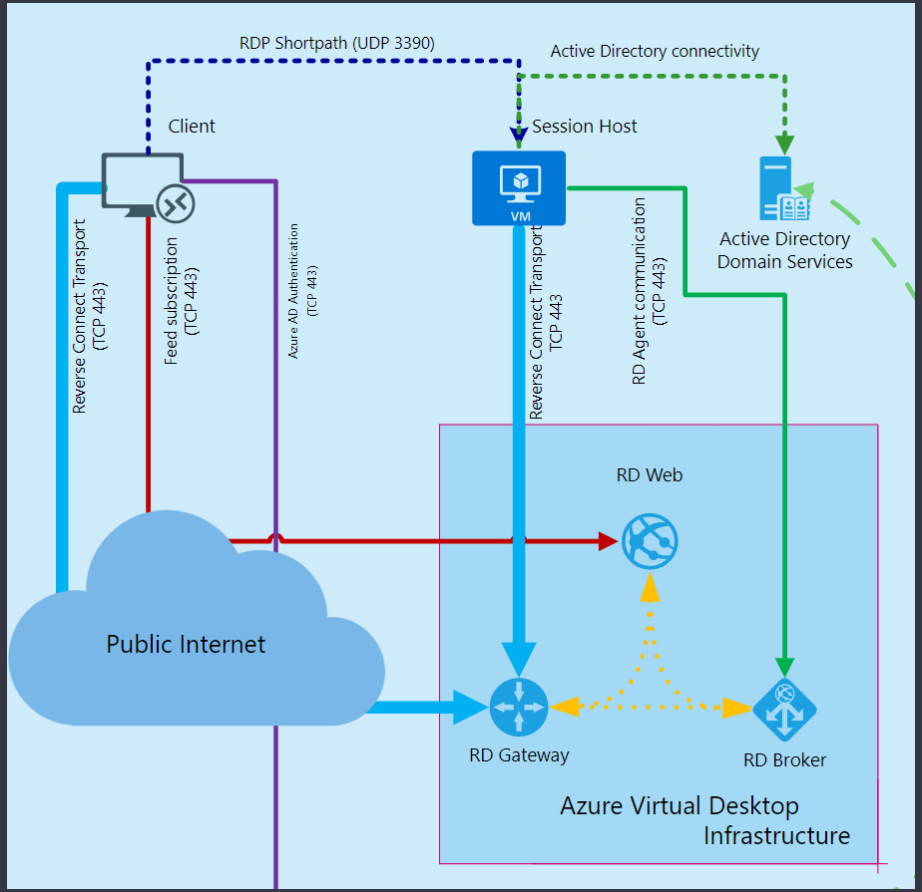
Shortpath

- Taking the shortest path between client and session host



Shortpath

- Taking the shortest path between client and session host



Shortpath

- Taking the shortest path between client and session host
- In addition to reverse connect
- UDP based
- Faster, more reliable
- Only for the Windows client
- Requires direct line of sight

Demo

Quick notes

Azure Stack HCI

- In public preview
- It’s AVD on-prem

Imaging

- Do you need to?
  - Endpoint Manager
  - MSIX AppAttach

Imaging

- Choose OS wisely
- Don’t enroll image vm to AVD
  - This should be done after deployment
- New vm -> snapshot -> customize -> snapshot -> sysprep -> capture
- Publish in Shared Image Gallery

Nerdio

- Management platform
- Cost optimalization
- Self-service
- Imaging
- MSIX AppAttach image management
- ++
- Priced per user per month

Final demo

Slides and demos from the conference will be available at

https://github.com/nordicinfrastructureconference/2022

youtube.com/PetterTech twitch.tv/PetterTech twitter.com/PetterTech

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