delaware

Windows Virtual Desktop

WVD

“Our industry does not respect tradition. What it respects is innovation.” - Satya Nadella

VDI

Virtual Desktop Infrastructure

VDI

Virtual Desktop Infrastructure

- Oldschool

- Infrastructure managed by IT department itself
- Difficult to manage
- Locally available (privately hosted data center)
- CapEx cost (CAL licensing, …)

- Examples:
  - RDS, Citrix Workspace, Hyper-V, VirtualBox, VMWare Horizon, …

DaaS (= WVD)

Desktop as a Service

DESKTOP AS A SERVICE

What is DaaS?

- Progressive / Innovative

- Infrastructure managed by a service provider (i.e. Azure)
- Easy maintenance by IT departement
- Globally available (Public Cloud)
- OpEx cost

- Examples:
  - Windows Virtual Desktop (WVD), Citrix - Managed Desktops, …

WVD

Windows Virtual Desktop

WVD

Windows Virtual Desktop

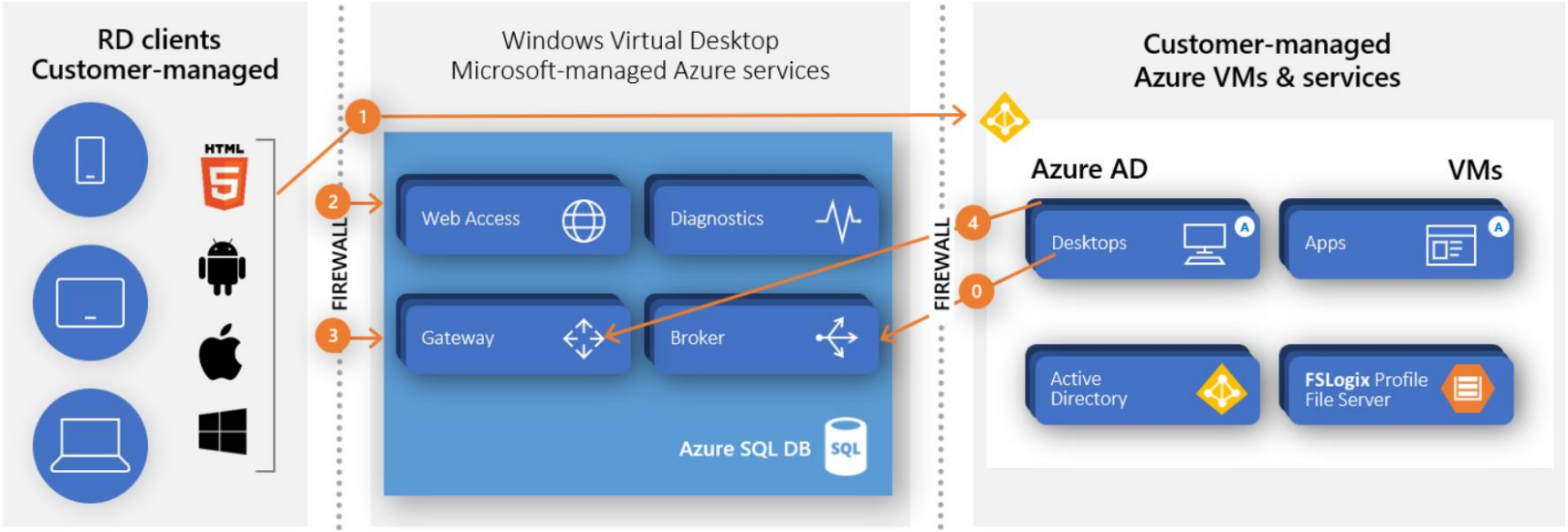
- = DaaS solution on top of the MS Azure Public Cloud
- The only true Windows 10 multi-user experience
- Both Full Desktops and RemoteApps
- Support for OneDrive and O365 (including Teams)
- Easy licensing (included in E3 / E5 / …)
- High security (Azure Front Door reverse connect, no 3389)

- Free extended support for W7 (after EoL 14/01/2020)

- 6x userbase increase during COVID-19

WVD

Traffic flow



WVD

Network requirements

Address	Outbound TCP port	Purpose	Service Tag
*.wvd.microsoft.com	443	Service traffic	WindowsVirtualDesktop
mrsglobalsteus2prod.blob.core.windows.net	443	Agent and SXS stack updates	AzureCloud
*.core.windows.net	443	Agent traffic	AzureCloud
*.servicebus.windows.net	443	Agent traffic	AzureCloud
prod.warmpath.msftcloudes.com	443	Agent traffic	AzureCloud
catalogartifact.azureedge.net	443	Azure Marketplace	AzureCloud
kms.core.windows.net	1688	Windows activation	Internet

WVD

Devices

- BYOD
  - Laptop
  - Desktop
  - Mobile (iOS / Android)
  - Car
  - HTML5
  - …

WVD

On Azure

- Use the global power of Azure
- Scalable
- Make use of the Azure Security Offering
  - $1 billion invested / year in security
- Integration with Other Microsoft Tools
- Integration with your current environment

- 95% of Fortune 500 companies trust their business in Azure

WVD

FsLogix

- Company / Technology bought by MS

- Profile Container
- Office Container
- Application Masking
- Java Version Control

WVD

delaware Projects

- DEME – finished
- EFSA – ongoing
  - Prospect for other GOV WVD projects (+1k users)

WVD

Deep Dive

Contact

Core Technology Services (CTS)

- Rik Claeys
  - WVD Projects PM
- WVD Implementations
  - Jens Fonteyne - Lead expert WVD
  - Geoffrey Jouret - Lead networking
  - Hans De Fleurquin
  - Maxim Eeckhout
  - Brecht Dedecker