

Even voorstellen

Ben Pelzer

- Sinds 1995 in de ICT
- Bezig met SBC (EUC) sinds 1998
- Sinds 2002 werkzaam bij Open Line

Agenda

- Algemene inleiding
- Remote Desktop Services (Microsoft)
 - Uitleg
 - Demo

- XenApp / XenDesktop 7.x (Citrix)
 - Uitleg
 - Demo

- Voorbeeld EUC adhv Modulair Concept Open Line
- Kijkje in de “echte wereld”
(Open Line klant omgeving)

- VMware View / Horizon (VMware)

- ~~VMware View / Horizon (VMware)~~

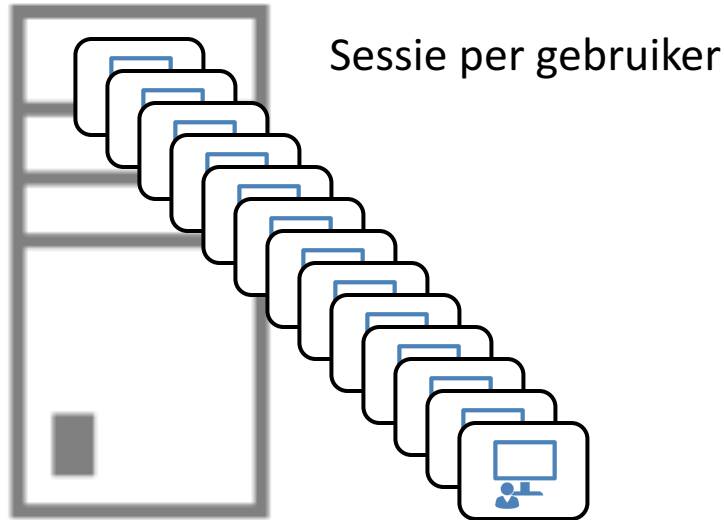
Algemene uitleg

- Server Based Computing
“Server-based computing (SBC) is an over-arching term referring to the technology by which applications are implemented, controlled, supported and functioned on the server instead of the client.”

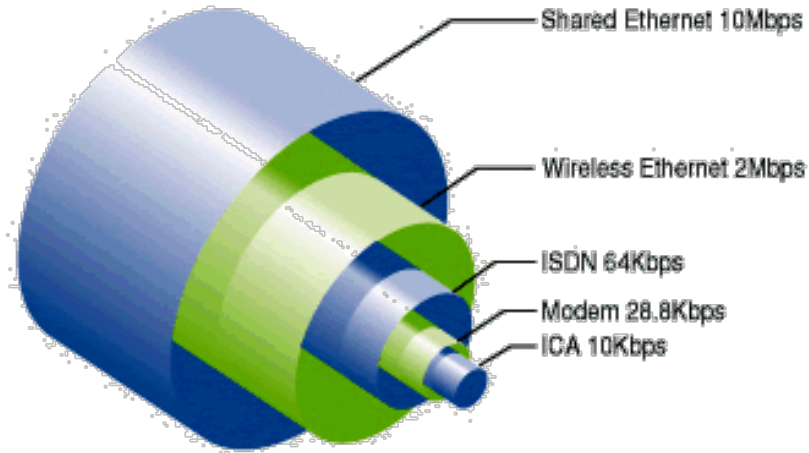
- Server Based Computing “uitgevonden” door Citrix
 - Multi User OS/2 (IBM)
 - Multi User Win NT 3.51 (Multi Win; apart OS van Citrix: WinFrame)
 - Multi User NT 4 (Terminal Server, aparte OS versie van Microsoft; Citrix als “add-on”)

- Server Based Computing
 - Multi User Windows 2000-2003 (Terminal Services; Citrix als “add-on”)
 - Multi User Windows 2008 R2 en hoger (Remote Desktop Services; Citrix als “add-on”)

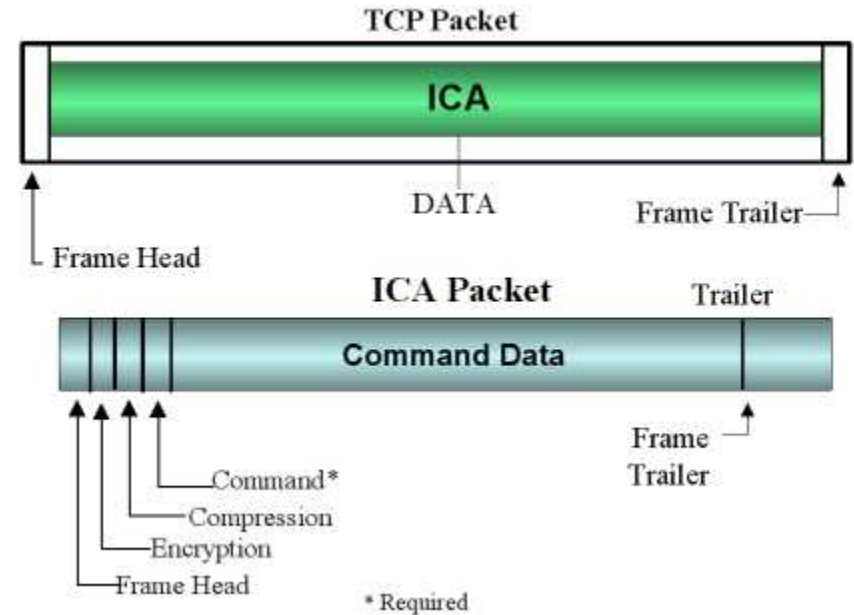
- Server Based Computing:



- Nodig voor Server Based Computing (onder anderen)
 - Multi User OS
 - Protocol om:
 - toetsenbord en muis van client naar server te krijgen
 - Beeld van server naar client te krijgen (resultaat van de input)



ICA is optimized for connections as low as 14.4 Kbps. Only mouse clicks, keystrokes and screen updates travel the network to generate exceptional performance.



ICA connection

Framehawk

DCR

Thinwire

Multimedia

Audio

Flash

Generic USB

Drives

Lync

Printing

Mobile sensors

Smartcard

Clipboard

KB & Mouse

H.264

HDX

High Definition Experience



HDX Broadcast

ICA and RDP protocol support for access from any device, anywhere



HDX Plug-n-Play

Access to local resources and peripherals, including USB devices and printers



HDX MediaStream

Video and audio playback



HDX RichGraphics

2D/3D graphics incl. Adaptive Display, HDX 3D Pro and Microsoft RemoteFX



HDX RealTime

Voice and video for real-time collaboration



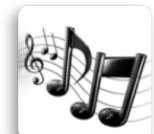
HDX WAN Optimization

Performance and bandwidth optimizations for branch offices with Citrix CloudBridge



HDX Mobile

Touch navigation for Windows apps; local device features



HDX Adaptive Orchestration

Best user experience based on server, network connection and user device

- Voordeel SBC
“Upgrading hardware, application deployment, backing up of data and technical support are simplified in a server-based environment.”
-> want uitvoeren op de *Server*

- Voordeel SBC
“As PCs turn into terminals and may get replaced by much simpler, more cost-effective and more convenient-to-manage devices known as thin clients.”
-> PC (*client*) niet meer belangrijk

- Nadeel SBC

Als alles wordt uitgevoerd op de server en er gaat iets mis met de server...

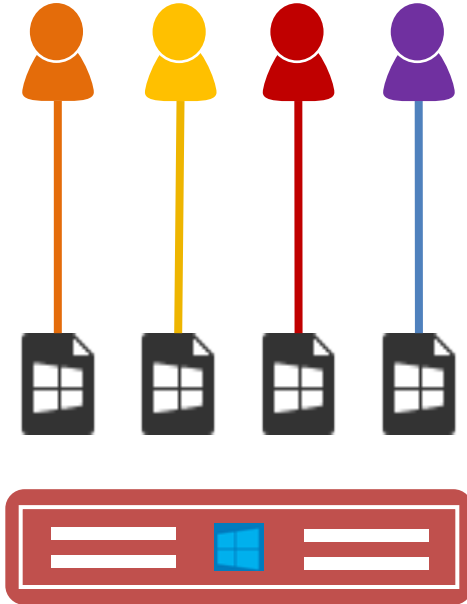
- Door succes SBC:
 - Uitbreiding naar desktop virtualizatie: **VDI**
 - Citrix XenDesktop
 - VMware View

- VDI:

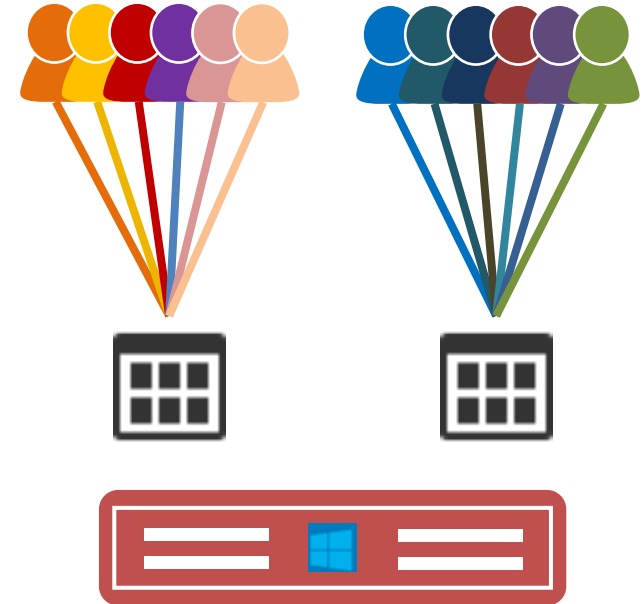
Desktop per gebruiker



Desktop Virtualization



Session Virtualization



- Diversiteit aan SBC en VDI oplossingen -> EUC

Ontwerpen, inrichten en beheren van onder andere oplossingen op het gebied van:

- private, hybride en full cloud workspaces;
- dynamische en klassieke desktop;
- bring-your-own-device en/of choose-your-own-device;
- application security en smart access;
- platform en applicatie lifecycle management;
- terminal server, VDI en thin client-oplossingen;
- applicatie- en desktopvirtualisatie.

EUC techniek

Remote Desktop Services

- Windows 2012 R2
- Advanced RDS deployment
- Remote Desktop (RDSH en VDI)
- RemoteApps



RD Gateway



RD Web Access



RD Broker



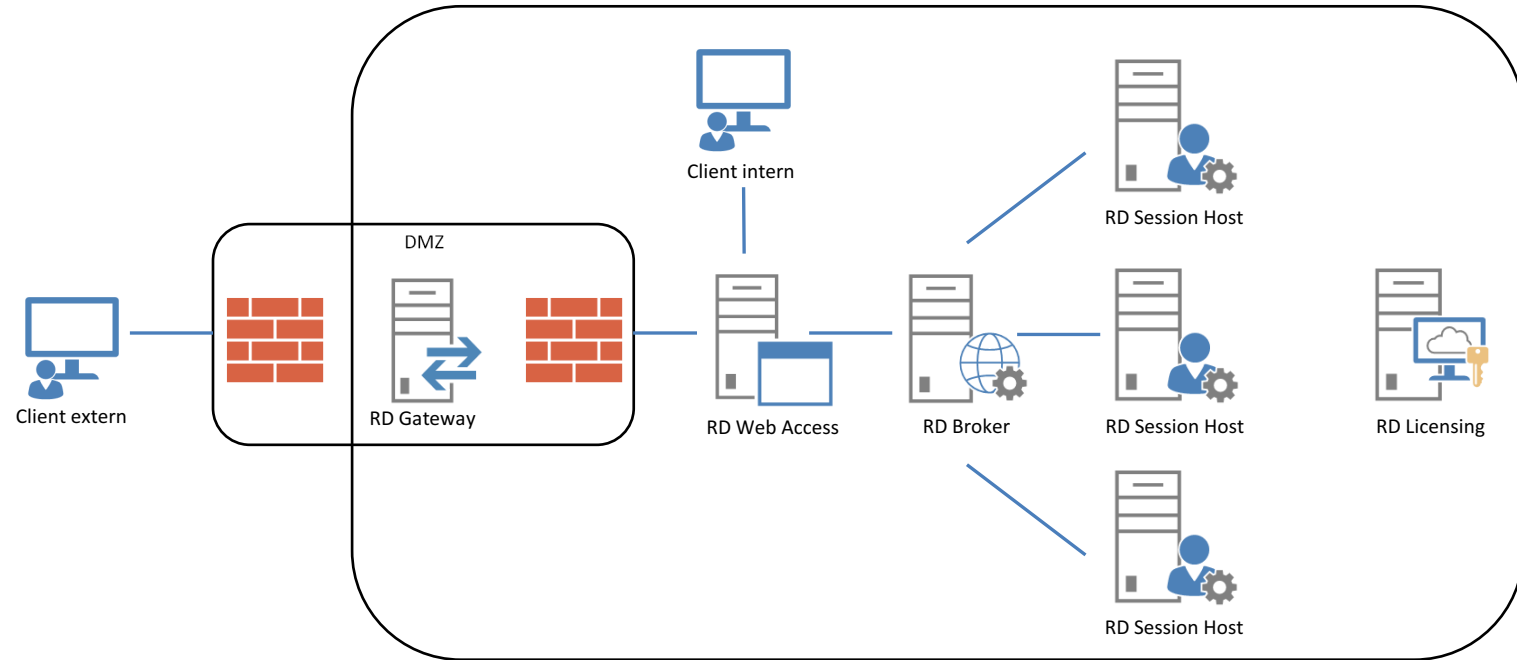
RD Session Host



RD Licensing

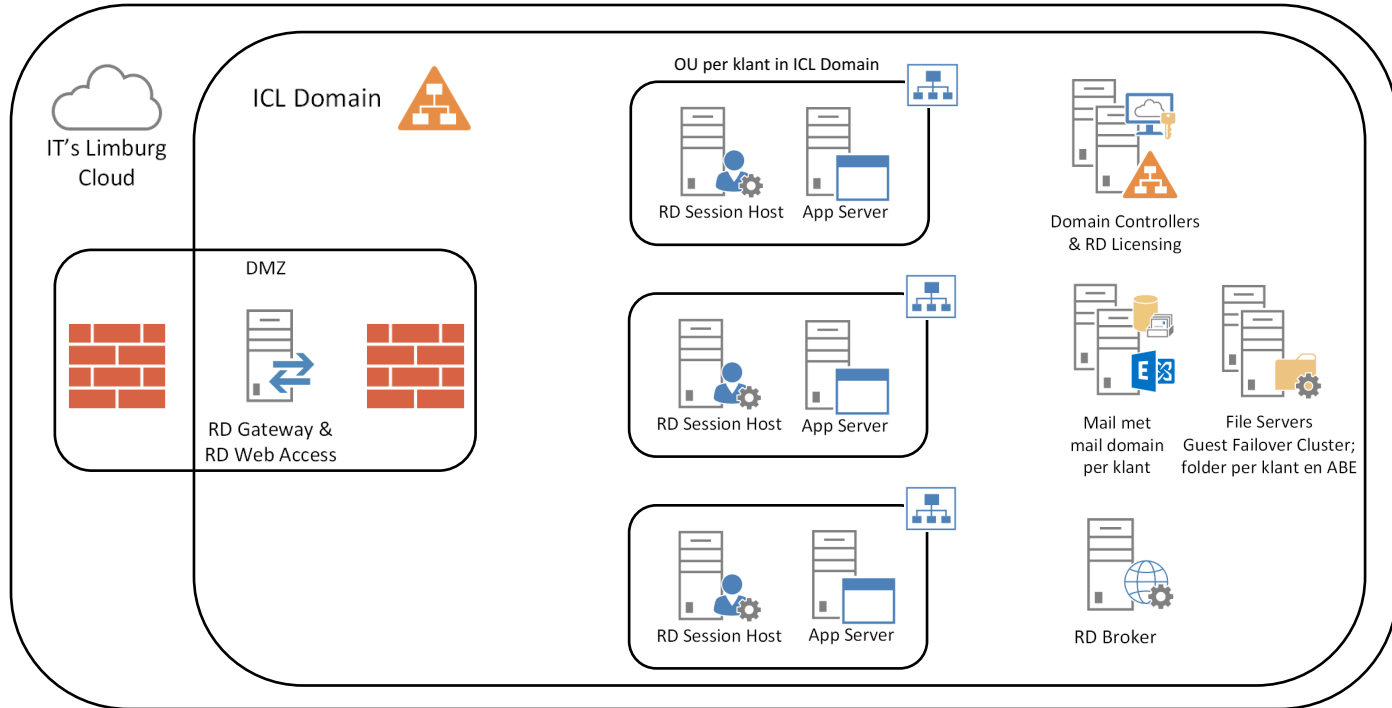
Remote Desktop Services

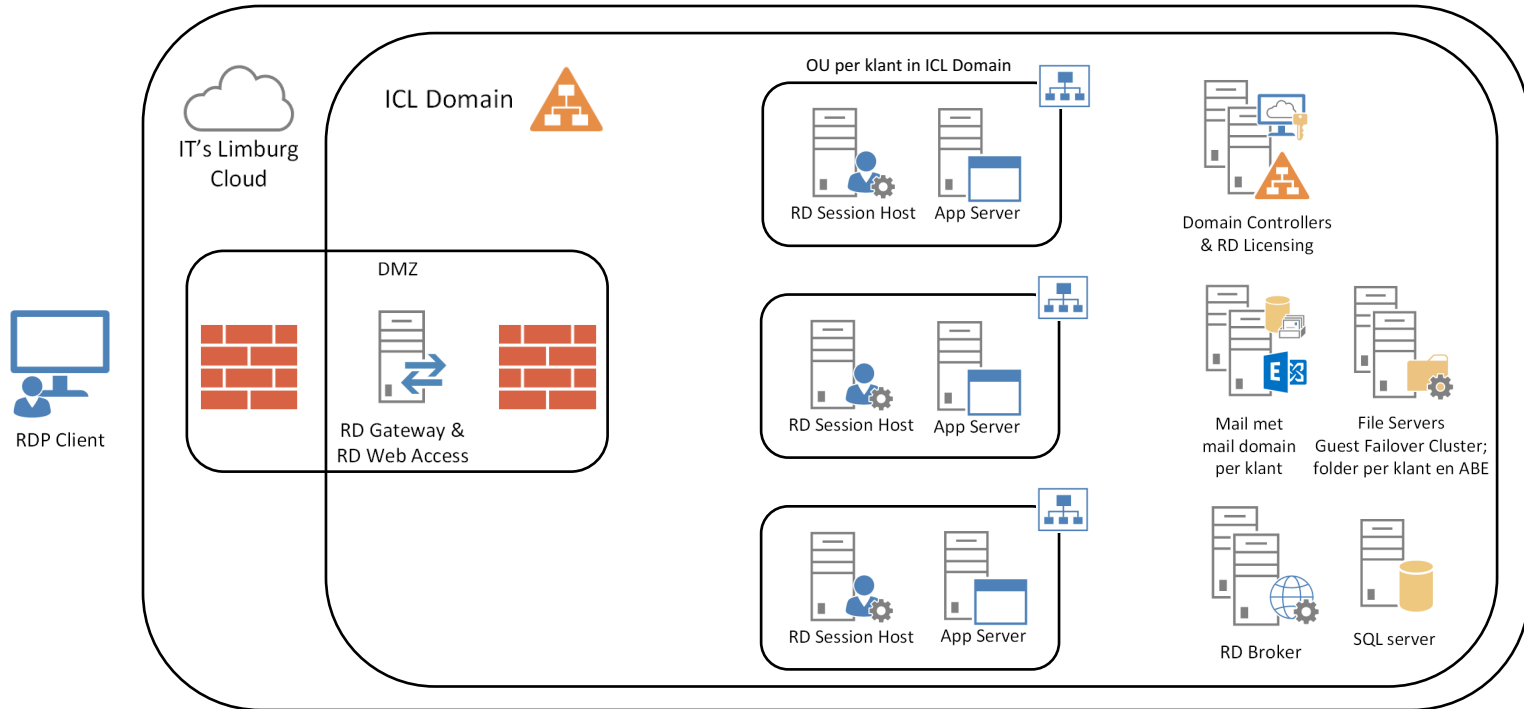
Voorbeeld

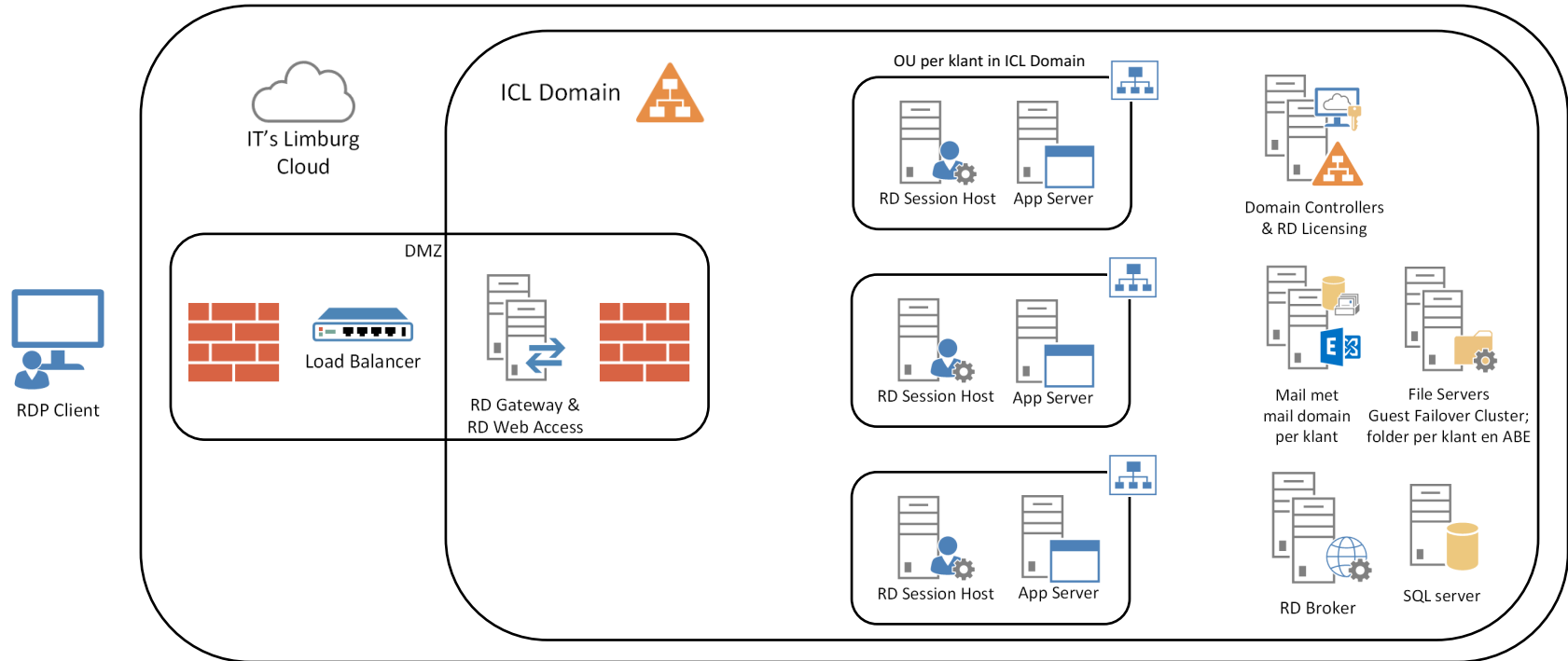


Remote Desktop Services

Voorbeeld Open Line
(IT's Limburg Cloud)









EUC techniek

Citrix XenApp / XenDesktop



RD Gateway



RD Web Access



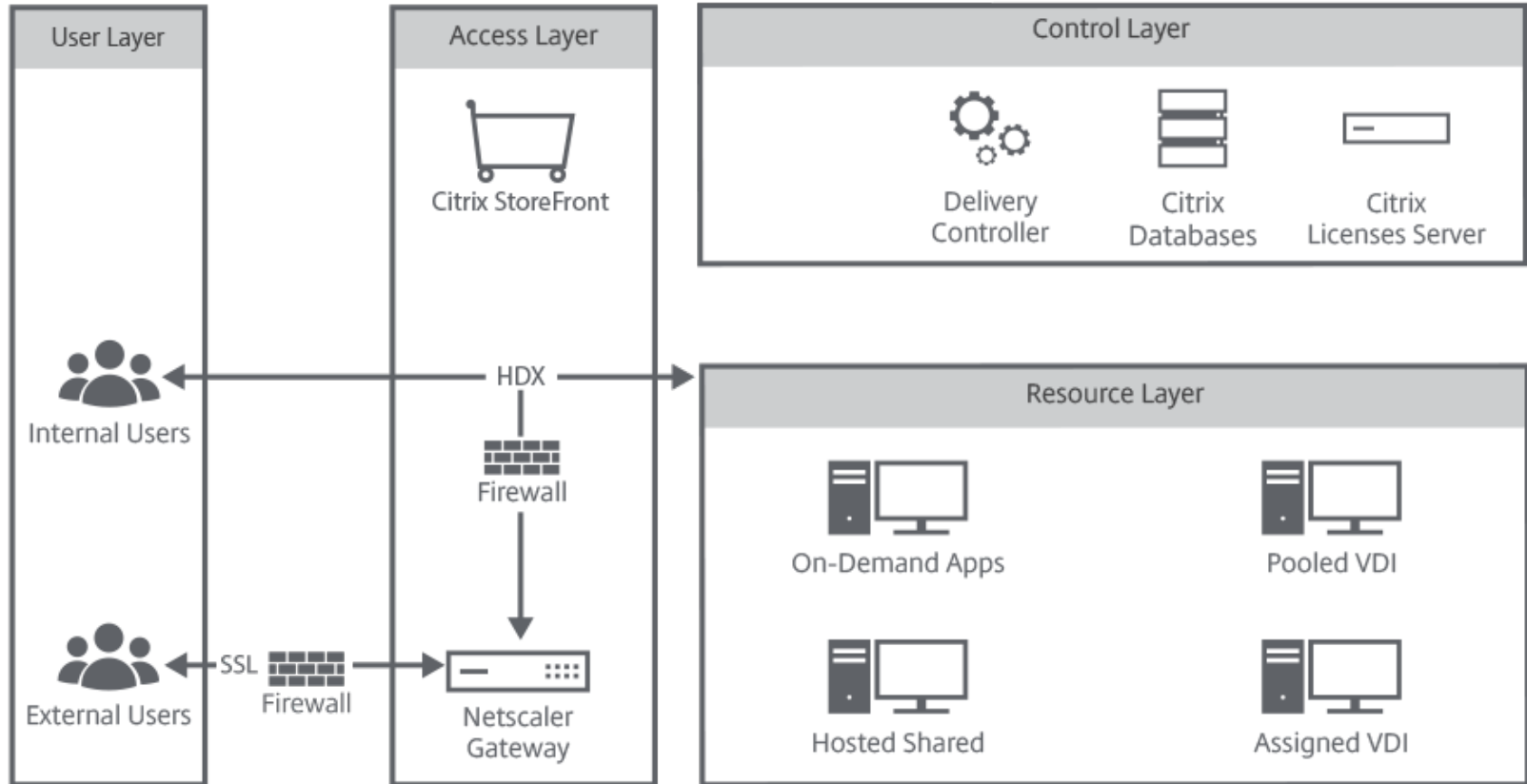
RD Broker

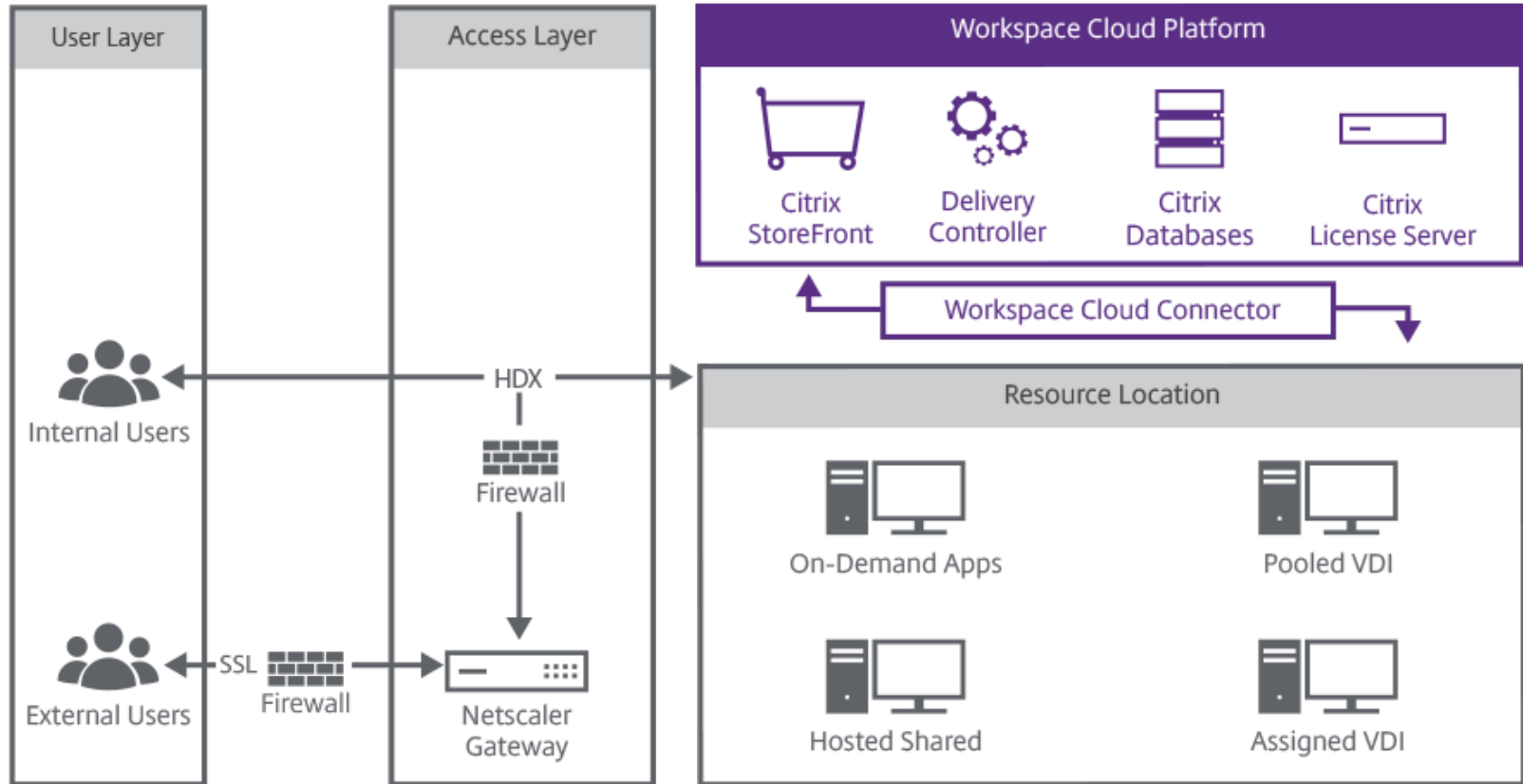


RD Session Host
XenApp

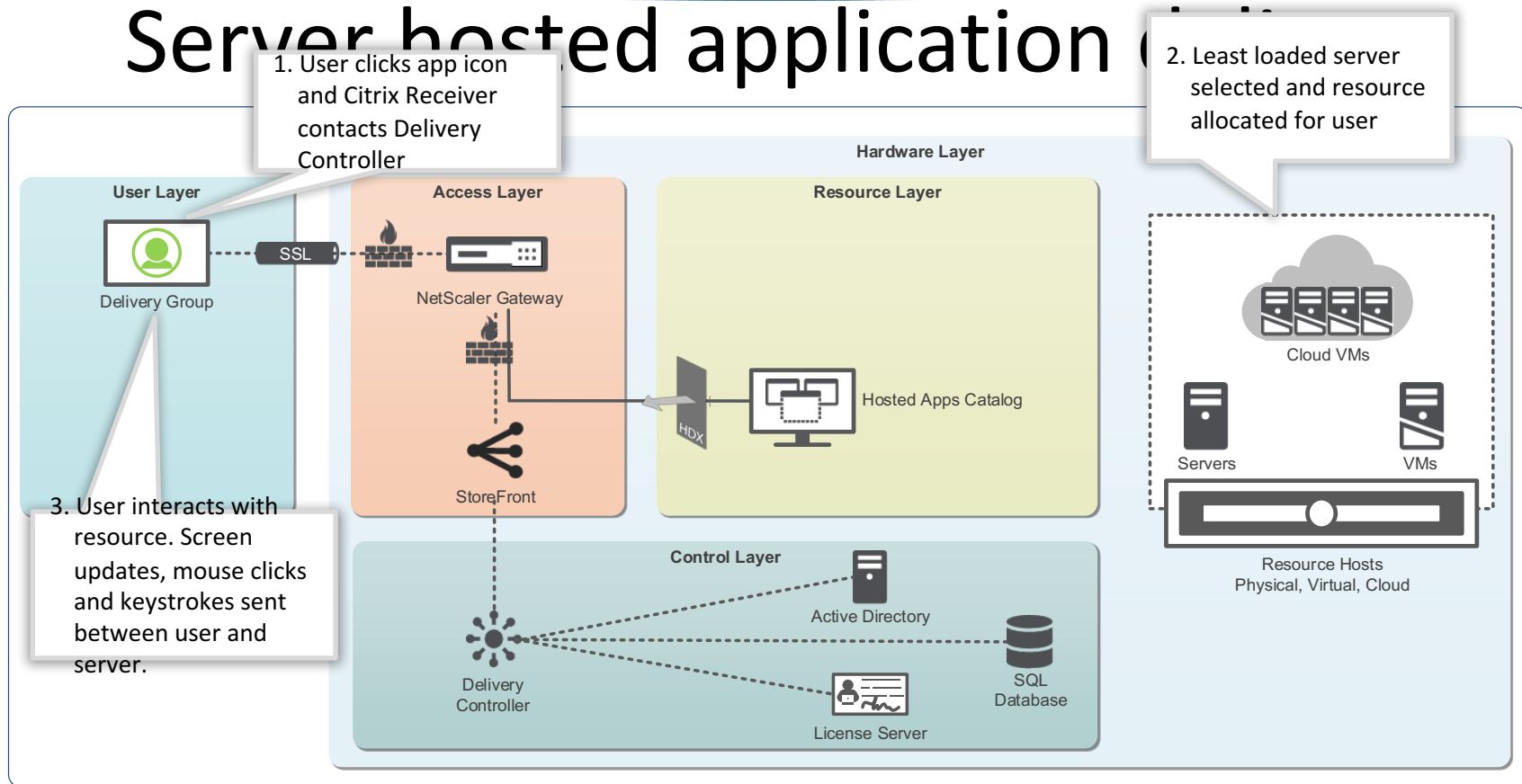


RD Licensing
Citrix Licensing



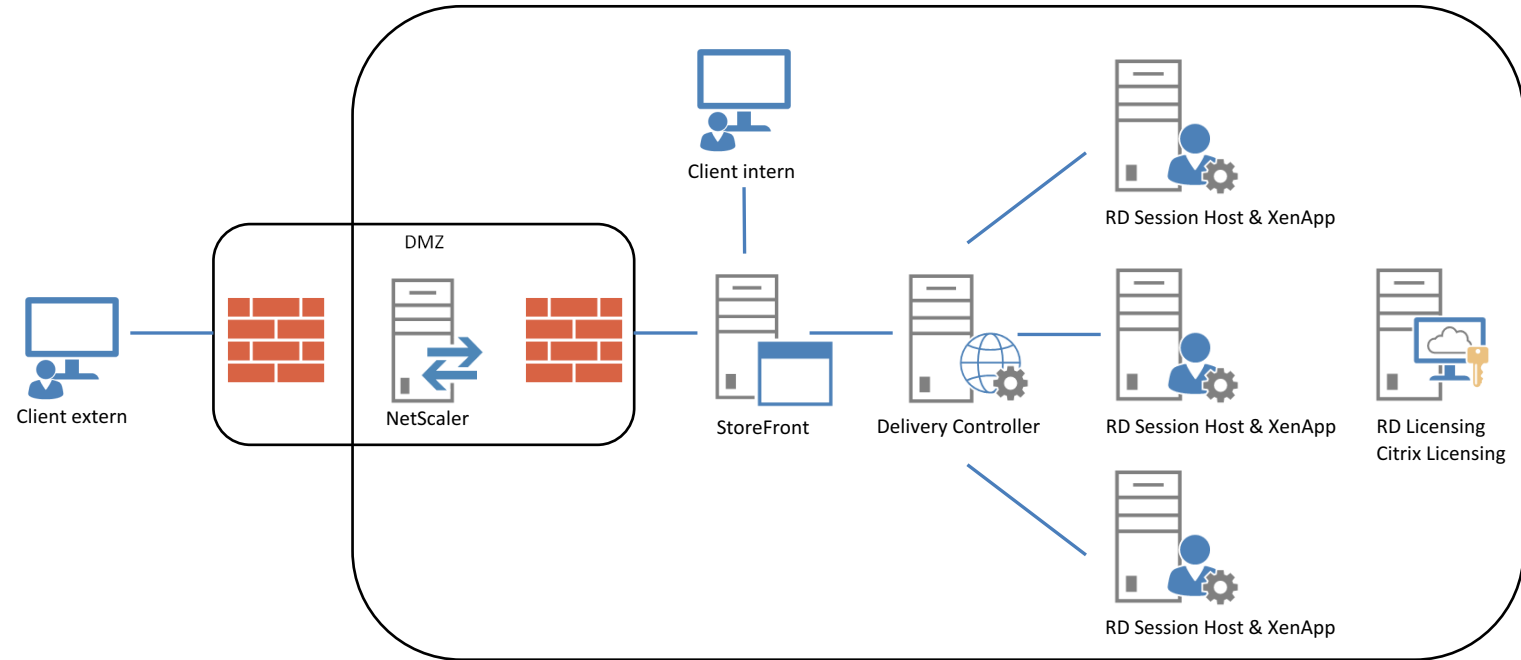


Server hosted application



Citrix XenApp

Voorbeeld



Citrix XenApp

Voorbeeld Open Line
(Standaard klant omgeving)



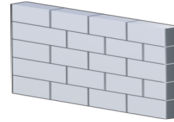
IronPort
Appliance



NetScaler VPX Appliance



RSA Appliance



Domain Controllers /
DHCP / DNS



Application servers



File server / OfficeScan
server



SQL server



Mail server

LAN



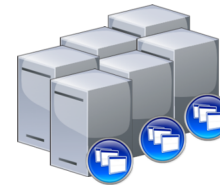
AppSense /
App-V server



Provisioning
servers



Delivery Controllers /
License / StoreFront
servers



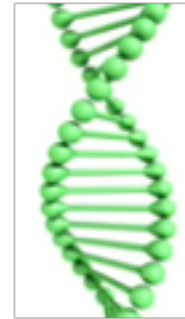
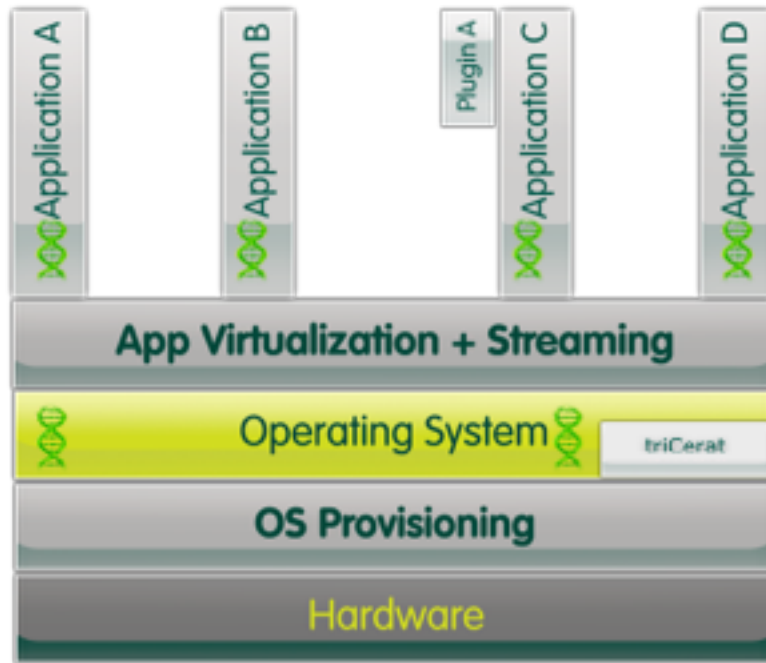
Citrix XenApp
servers (Site)



EUC voorbeeld

Open Line Modulair Desktop concept

Open Line standaard klant omgeving



Personality

Print Drivers





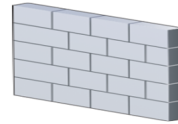
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DHCP / DNS



Application servers



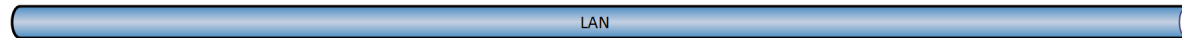
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server



SQL server



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LAN



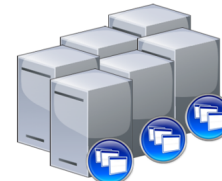
AppSense /
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Citrix XenApp
servers (Site)



Vragen?

