Citrix and Azure – Better Together

Expanding Delivery and Workloads with Citrix Cloud and Azure

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•Agenda•
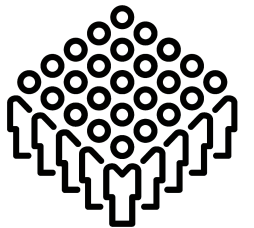
Citrix Portfolio
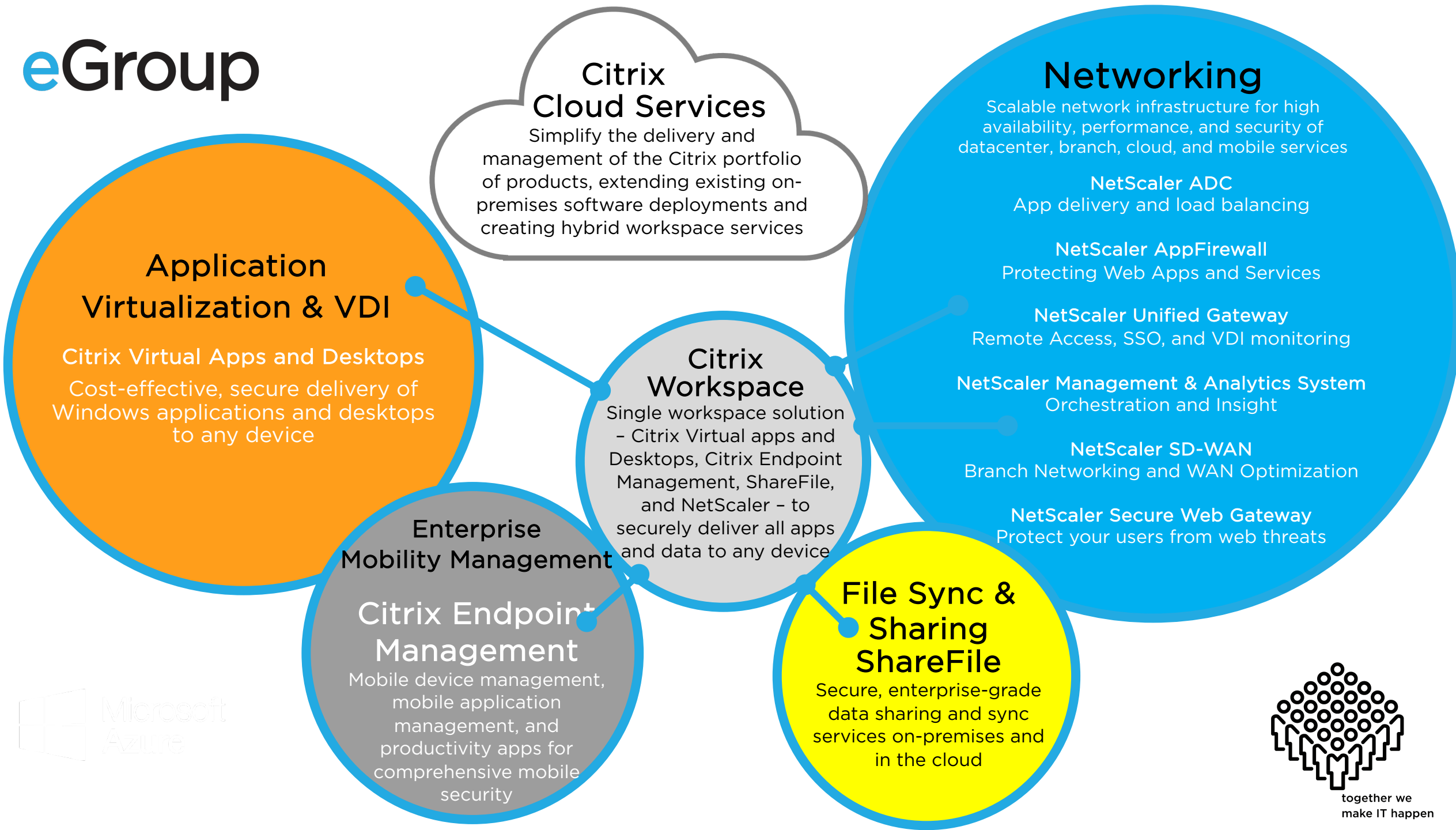
Integrating Citrix with Azure

Citrix Cloud, What Is It?

Benefits and Use Cases

What's Next?

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Citrix Cloud Services
Simplify the delivery and management of the Citrix portfolio of products, extending existing on-premises software deployments and creating hybrid workspace services

Networking
Scalable network infrastructure for high availability, performance, and security of datacenter, branch, cloud, and mobile services

NetScaler ADC
App delivery and load balancing

NetScaler AppFirewall
Protecting Web Apps and Services

NetScaler Unified Gateway
Remote Access, SSO, and VDI monitoring

NetScaler Management & Analytics System
Orchestration and Insight

NetScaler SD-WAN
Branch Networking and WAN Optimization

NetScaler Secure Web Gateway
Protect your users from web threats

Application Virtualization & VDI

Citrix Virtual Apps and Desktops
Cost-effective, secure delivery of Windows applications and desktops to any device

Citrix Workspace
Single workspace solution – Citrix Virtual apps and Desktops, Citrix Endpoint Management, ShareFile, and NetScaler – to securely deliver all apps and data to any device

Enterprise Mobility Management

Citrix Endpoint Management
Mobile device management, mobile application management, and productivity apps for comprehensive mobile security

File Sync & Sharing ShareFile
Secure, enterprise-grade data sharing and sync services on-premises and in the cloud
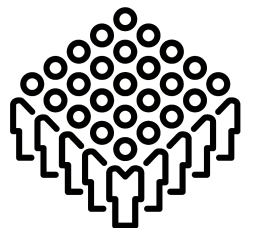
Microsoft Azure
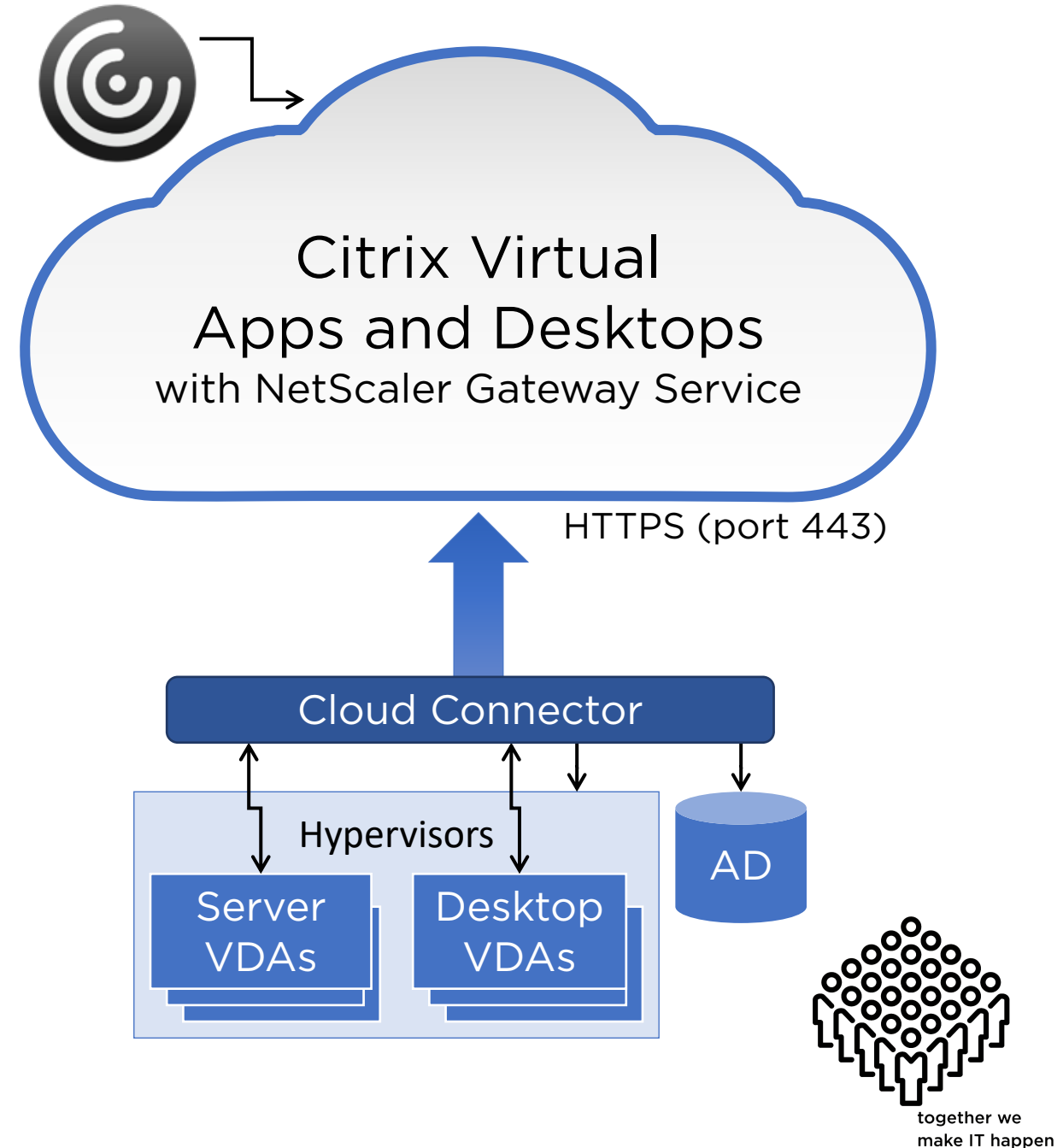
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Citrix Cloud – The Perfect World?

- Imagine not worrying about:
  - SQL Server
  - Delivery Controllers
  - Citrix Studio & Director
  - License Server
  - Citrix Updates
- And only worrying about:
  - VDA's (Servers and Windows Desktops)
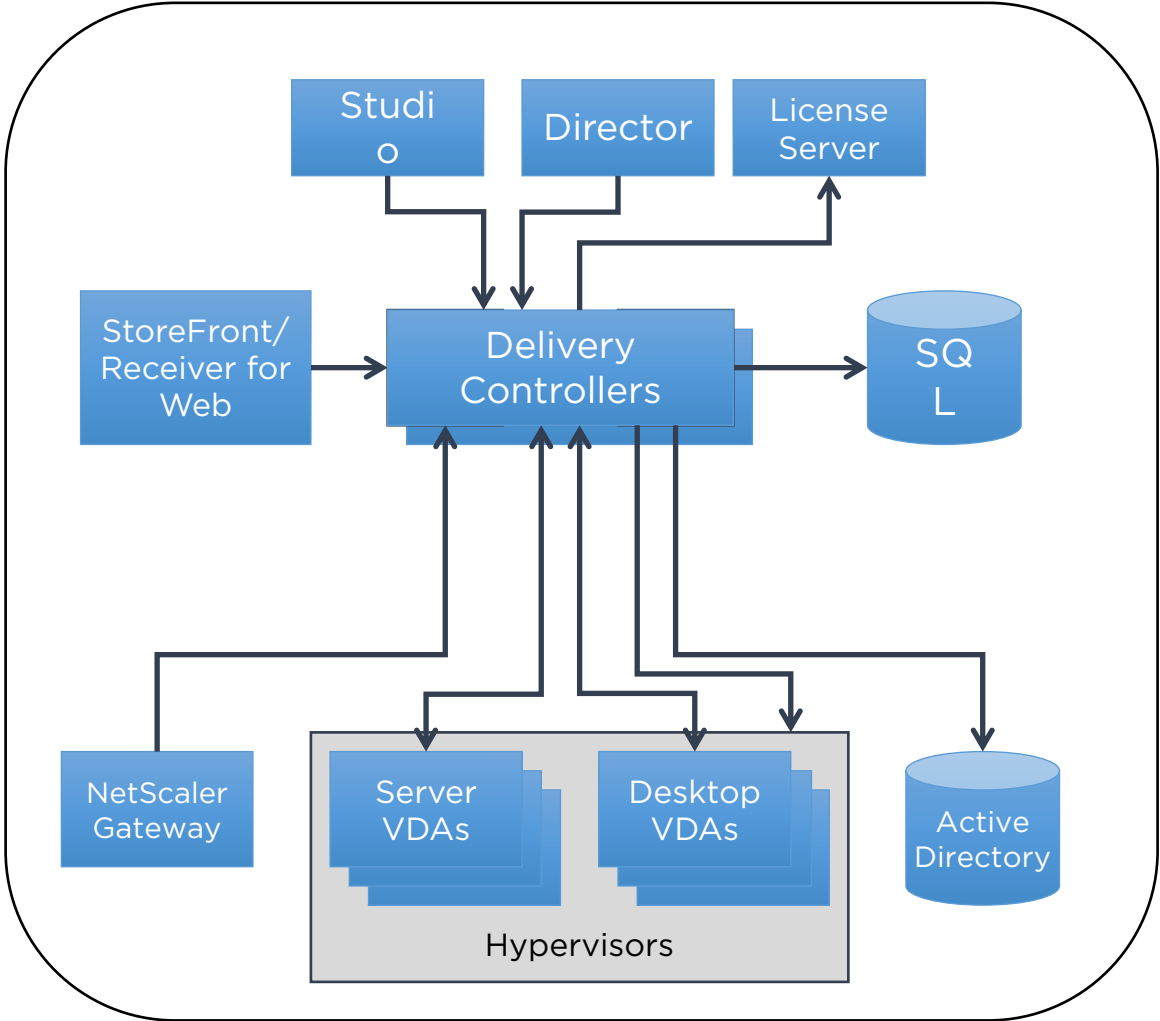 - Receiver
  - Profiles, GPOs, Applications

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What is Citrix Cloud?

- Citrix Cloud is essentially a platform as a service.

- Citrix Cloud includes a growing number of services including:
  - Citrix Virtual Apps and Desktops
  - Citrix Endpoint Management Service
  - Secure Browser
  - ShareFile
  - AppLayering Service

- Citrix maintains the platform and services.

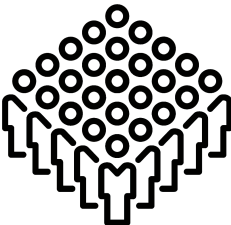- The customer maintains the applications, data, networks and VDAs.

Citrix Virtual
Apps and Desktops
with NetScaler Gateway Service

HTTPS (port 443)

Cloud Connector

Hypervisors

Server VDAs

Desktop VDAs

AD

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Traditional vs. Cloud Deployment Models

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Traditional Deployment

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Studio

Director

License Server

StoreFront/Receiver for Web

Delivery Controllers

SQL

NetScaler Gateway

Server VDAs

Desktop VDAs

Hypervisors

Active Directory

Customer/Partner Managed

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Citrix Cloud: Citrix Virtual Apps and Desktops

Studio

Director

License Server

StoreFront/ Receiver for Web

Delivery Controllers

SQL

Connector

NetScaler Gateway

Server VDAs

Desktop VDAs

Active Directory

Hypervisors

Resource Location

Citrix Cloud
(operated by Citrix)

Customer/Partner managed

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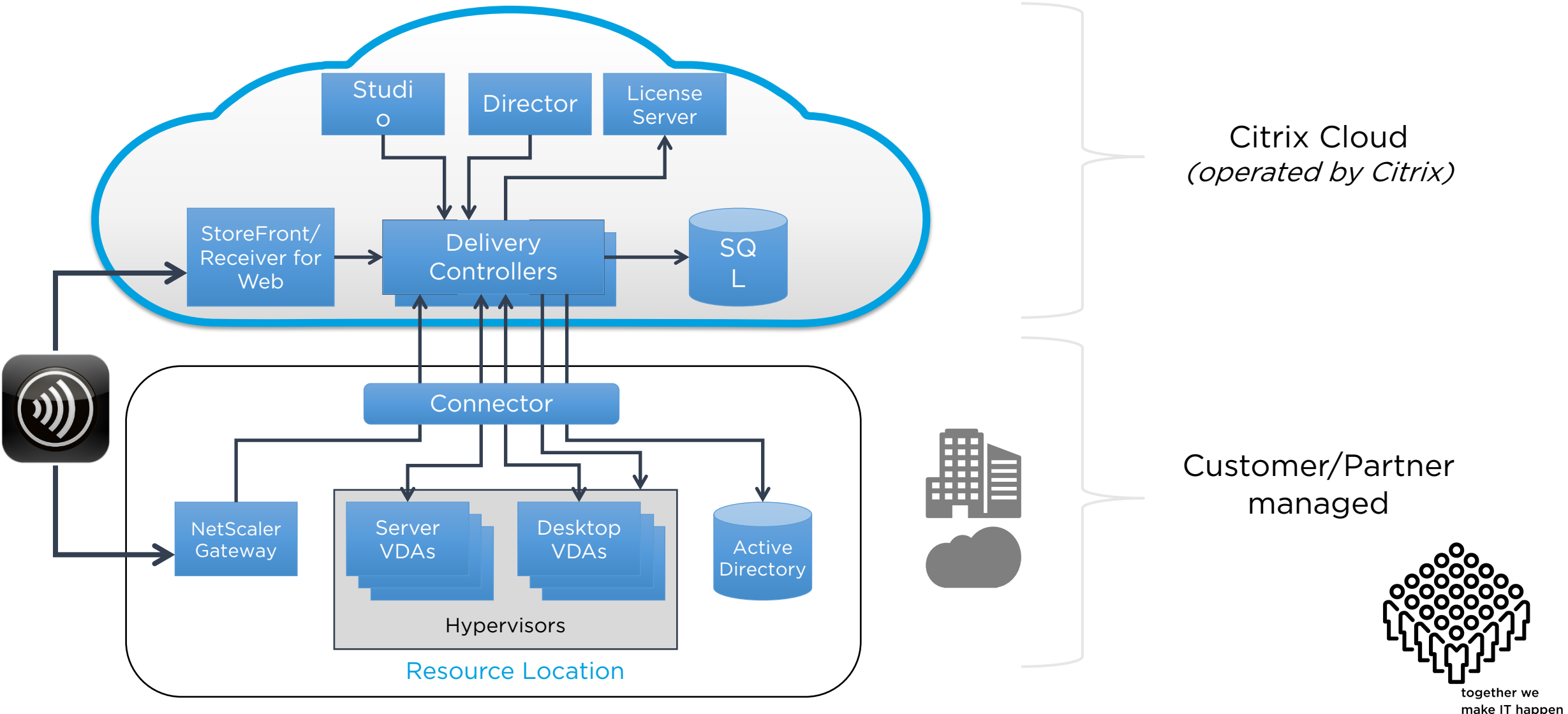
Hybrid Cloud Architecture

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Citrix Virtual Apps and Desktops Service

License Server StoreFront Delivery Controller SQL Database

Azure West
Cloud Connector
Windows Apps Windows Desktops Windows Server Desktops Linux Desktop App data
NetScaler ICA Proxy

Azure East
Cloud Connector
Windows Apps Windows Desktops Windows Server Desktops Linux Desktop App data
NetScaler ICA Proxy

Microsoft Hyper-V
Cloud Connector
Windows Apps Windows Desktops Windows Desktops Linux Desktop App data
NetScaler ICA Proxy

VMware vSphere
Cloud Connector
Windows Apps Windows Desktops Windows Desktops Linux Desktop App data
NetScaler ICA Proxy

Citrix XenServer
Cloud Connector
Windows Apps Windows Desktops Windows Desktops Linux Desktop App data
NetScaler ICA Proxy

Multiple Public Cloud Options

Multiple Data Center Infrastructure Options

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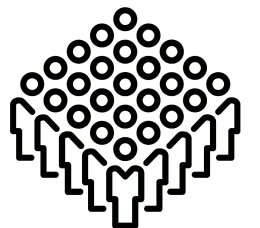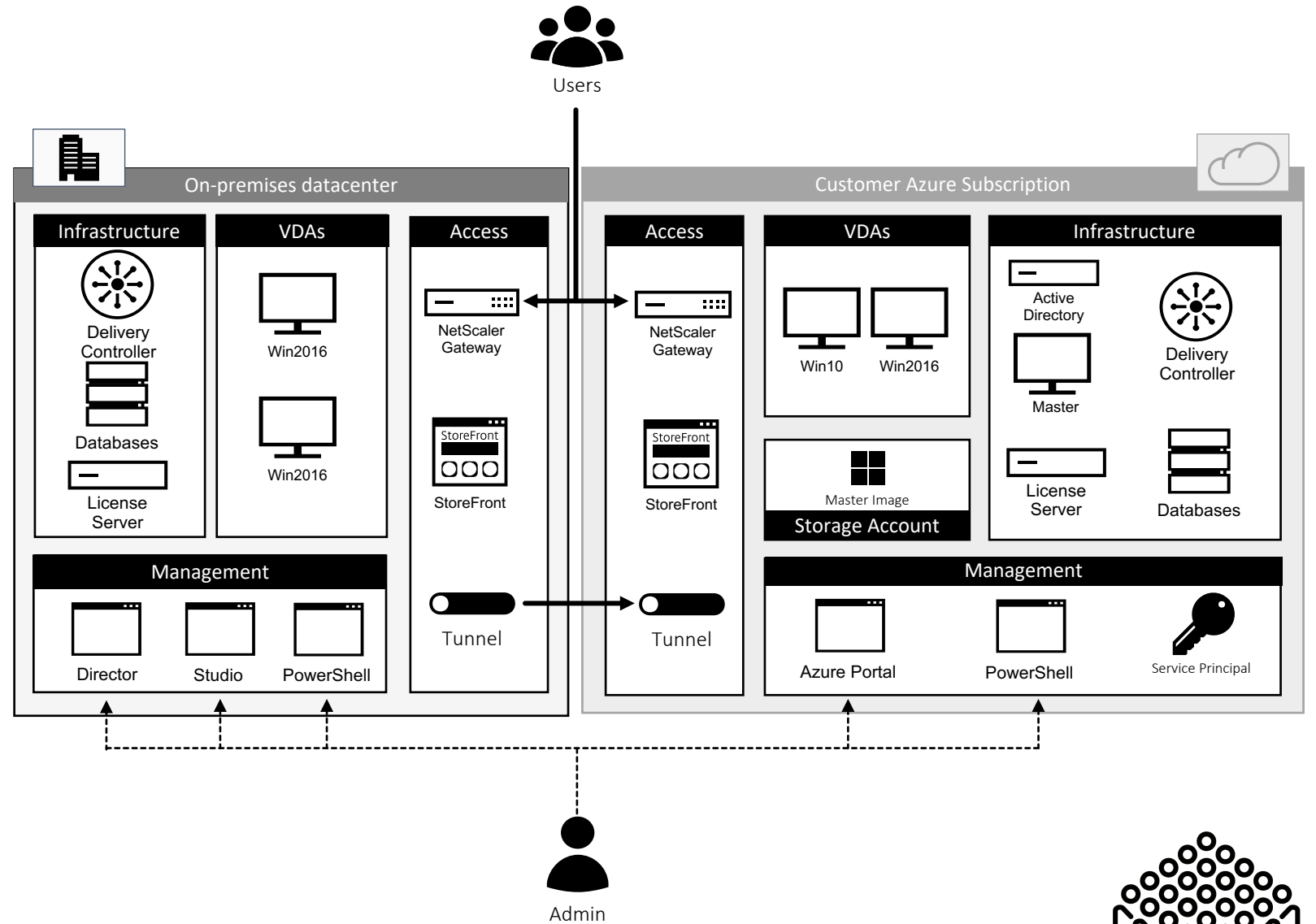
Citrix Virtual Apps and Desktops Deployment Models
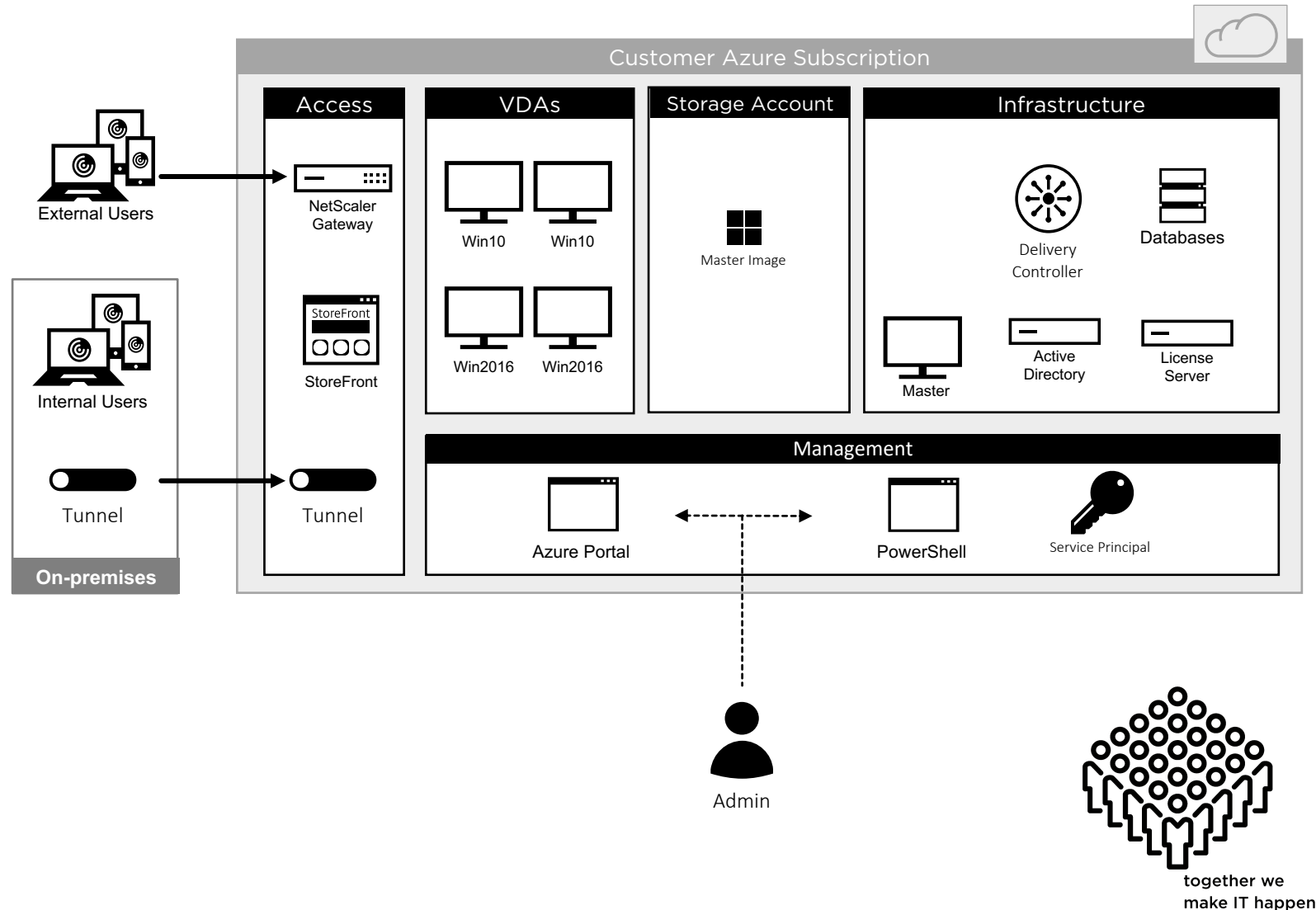
Extend Environment

- One or more XD Zones in Azure
- DB and primary Zone on-premises
- SF and NS considerations
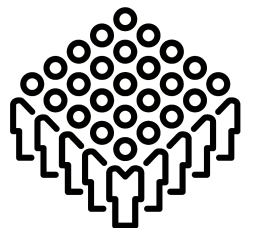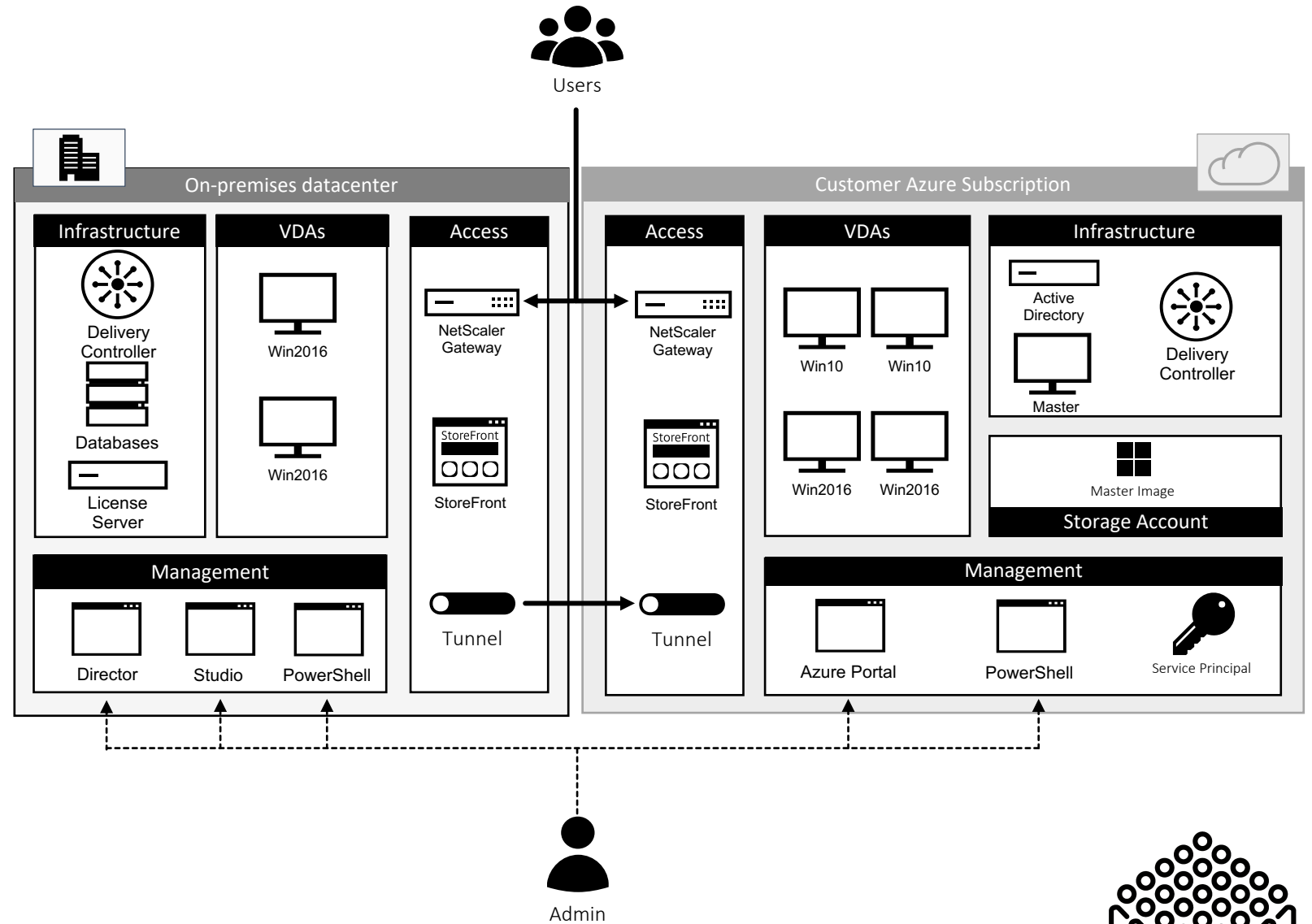
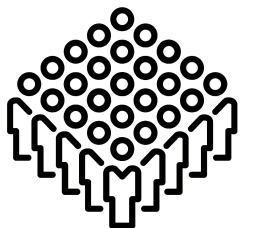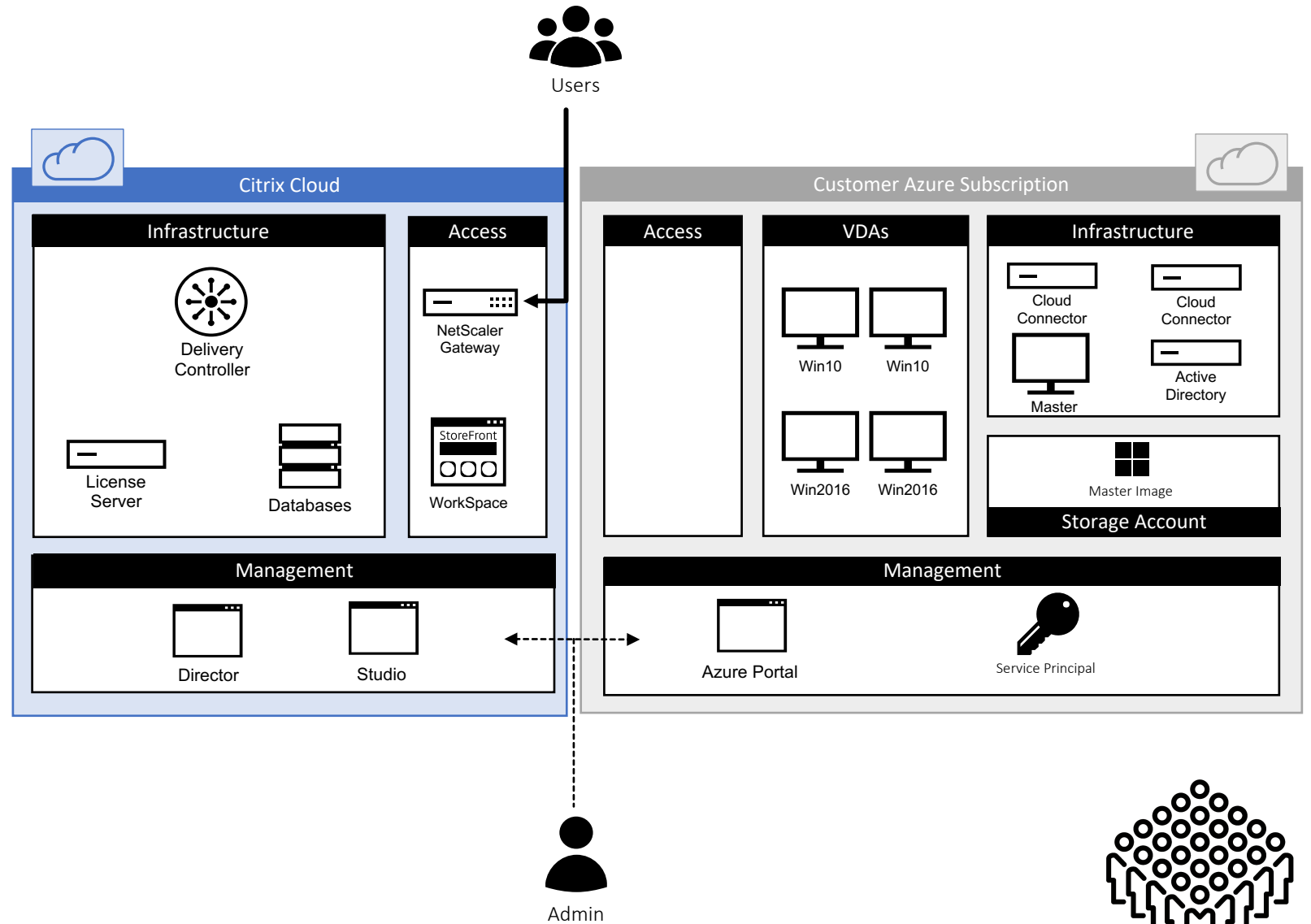# Citrix Cloud with Azure Resource Location

- Control plane hosted by Citrix
- Everything else is customer managed and Azure hosted
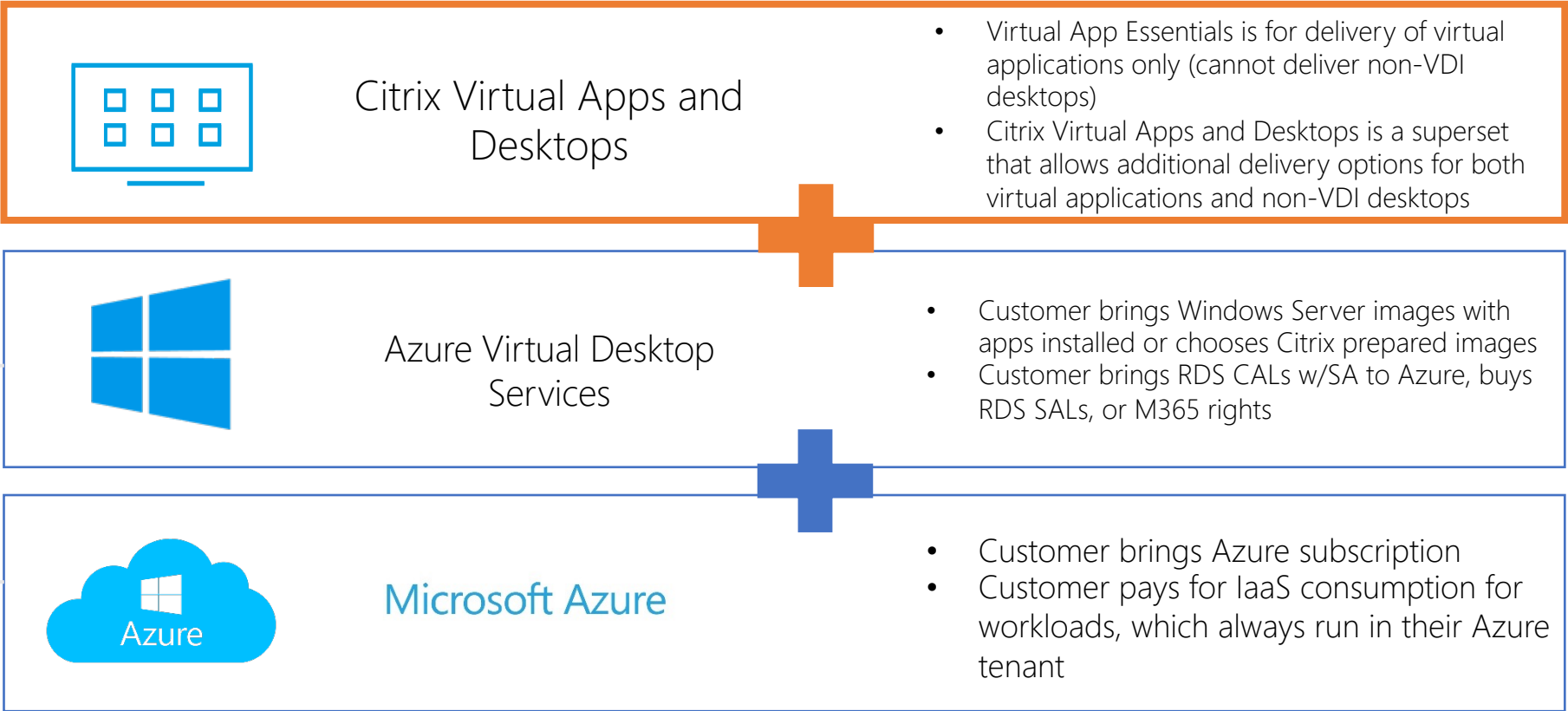
Users

Citrix Cloud

Infrastructure
- Delivery Controller
- License Server
- Databases

Access
- NetScaler Gateway
- StoreFront WorkSpace

Management
- Director
- Studio
- PowerShell

Customer Azure Subscription

Access
- NetScaler Gateway
- StoreFront

VDAs
- Win10
- Win10
- Win2016
- Win2016

Infrastructure
- Cloud Connector
- Cloud Connector
- Master
- Active Directory
- Master Image
- Storage Account

Management
- Azure Portal
- PowerShell
- Service Principal

Admin

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Citrix Cloud: Delivering Windows Apps on Azure with Virtual App

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citrix™

Microsoft

Citrix Virtual Apps and Desktops

- Virtual App Essentials is for delivery of virtual applications only (cannot deliver non-VDI desktops)
- Citrix Virtual Apps and Desktops is a superset that allows additional delivery options for both virtual applications and non-VDI desktops

Azure Virtual Desktop Services

- Customer brings Windows Server images with apps installed or chooses Citrix prepared images
- Customer brings RDS CALs w/SA to Azure, buys RDS SALs, or M365 rights

Microsoft Azure

- Customer brings Azure subscription
- Customer pays for IaaS consumption for workloads, which always run in their Azure tenant

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Benefits – Speed

- Expand and Contract computing requirements on-demand
  - Simplify management and reduce costs with only paying for what you need when you need it

- Enterprise App Delivery
  - Flexibility of deployment for Windows apps and desktops without needing to provision new infrastructure

- Enable smooth transition from on-premises to Azure
  - Utilize multiple resource locations for easy transitions

- Resiliency
  - Power up Redundant infrastructure for DR immediately

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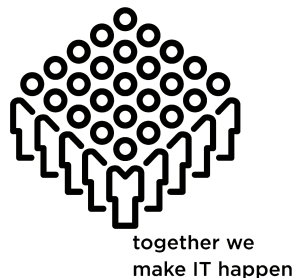
Benefits – Simplicity

- Shift
  - Shift from CapEx to OpEx to eliminate large-scale one-off requirements
- Save
  - Pay for only what you need to use, and scale as needed
  - Citrix Smart Scale – Scaling based on schedule, load, or both
- Footprint
  - Remove costly DR or secondary sites
- Uptime
  - Leverage Microsoft's guaranteed availability

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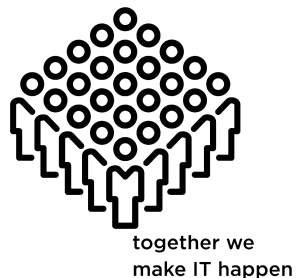
Benefits – User Experience

- Continue to be able to delivery mission-critical apps and desktops to any user, any device – anywhere
- Rapidly deliver consistent desktop experience
- Citrix NetScaler for secure access to On-Premises and Azure applications

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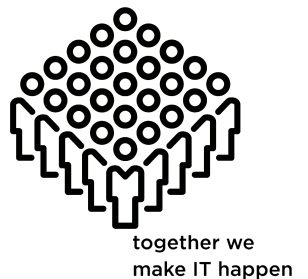
Use Cases for Citrix Cloud on Azure

- Simplify Management Overhead for Applications and Desktops

- Simplify NetScaler deployment – One Click

- Deployment Opportunities
  - Virtual desktops on Azure
  - Physical datacenter constraints
  - Citrix server infrastructure refresh
  - DR replacement strategy
  - M&A
  - Seasonal employees/burst consumption
  - Contractors & interns or BYOD
  - DevOps

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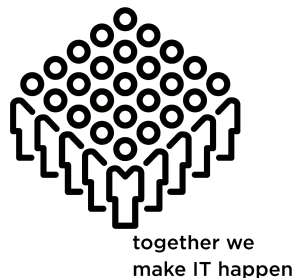
Desired Outcomes

1

Enable customers to leverage and deploy on current and familiar infrastructure for quick and simple deployments

2

Allow organizations to connect to their environments from anywhere, with the same look and feel their IT employees are used to today

3

Gain control of cloud and application security with the visibility required to keep your foundation safe

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How do we get started?

1 **Business Consultation and Assessment**
Let eGroup experts help you assess your current solutions and services

2 **Submit for Manufacturer Incentives**
Many solutions have FREE Trials, Co-Funding and Demos available

3 **Deploy a Pilot**
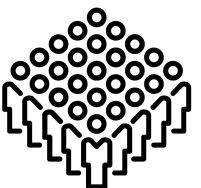eGroup Modern Office Solutions are can be quickly deployed and tested

4 **Expand for Production Use**
eGroup experts will get you up and running quickly

5 **Focus on Your Business**
Knowing that your Technology is working for your business

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