

Azure и VMware - сценарии и архитектуры; Azure VMware Solution, Horizon Cloud on Microsoft Azure.

VMware & Microsoft вместе

Alexander Starostin
Business Development Manager,
VMware, Veeam, EUC by KKR, Software-Defined Infrastructure |
Noventiq EE&CA
🕒 GMT+5 Almaty | Alexander.Starostin@noventiq.com |

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Общее портфолио центра компетенций SWDef Noventiq EE&CA

Направление	Вендор/решение				
Core Virtual	VMware vSphere ⁽¹⁾ &vSAN ⁽¹⁾	Virtuozzo VHI	Minio	Scality	
HCI & SDS					
Cloud Mgmt Platform	VMware Aria ⁽¹⁾	Virtuozzo VAP			
EUC Division (KKR/Omnissa)	(VDI) Horizon ⁽¹⁾ (KKR/ex-VMware)	(MDM/MAM) WorkspaceONE ⁽¹⁾ (KKR/ex-VMware)	ControlUP	IGEL	
DR, Backup	VMware SRM/Live Recovery ⁽¹⁾	Veeam VDP (Backup ⁽¹⁾ & DR ⁽³⁾)	Veeam for M365 ⁽¹⁾	Veeam Cirrus (BaaS) ⁽²⁾	Veeam K10 ⁽²⁾
K8S Cloud Native /DevOps	VMware Tanzu ⁽³⁾	Virtuozzo Managed Kubernetes (VHI) ⁽²⁾			
SDN, SDWAN, SASE, ALB	VMware VeloCloud(+Symantec) SDWAN/SASE ⁽²⁾	VMware NSX ⁽³⁾	VMware Avi (NSX ALB) ⁽¹⁾		
Monitoring (APM)	VMware Tanzu Observability ⁽²⁾	PROTO Observability ⁽²⁾			

Azure VMware Solution



Простая схема

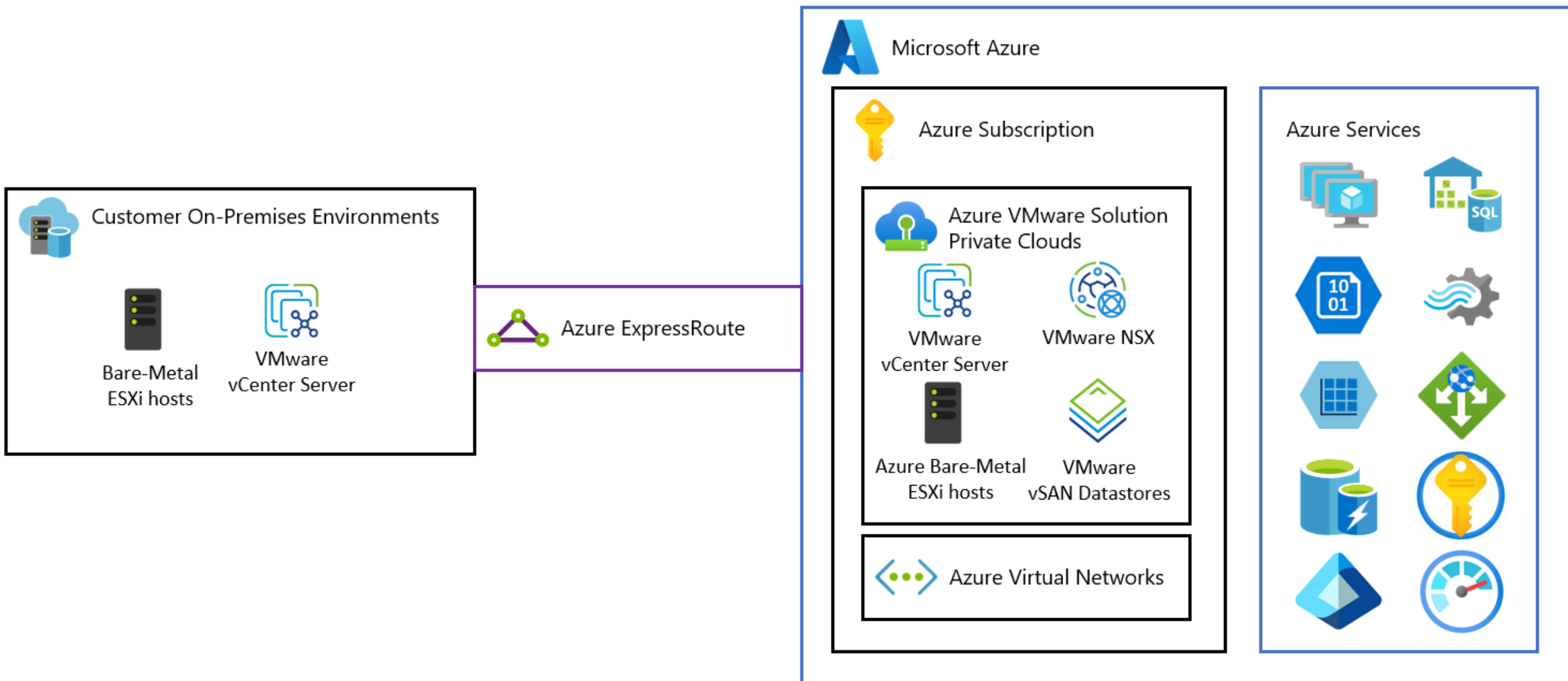
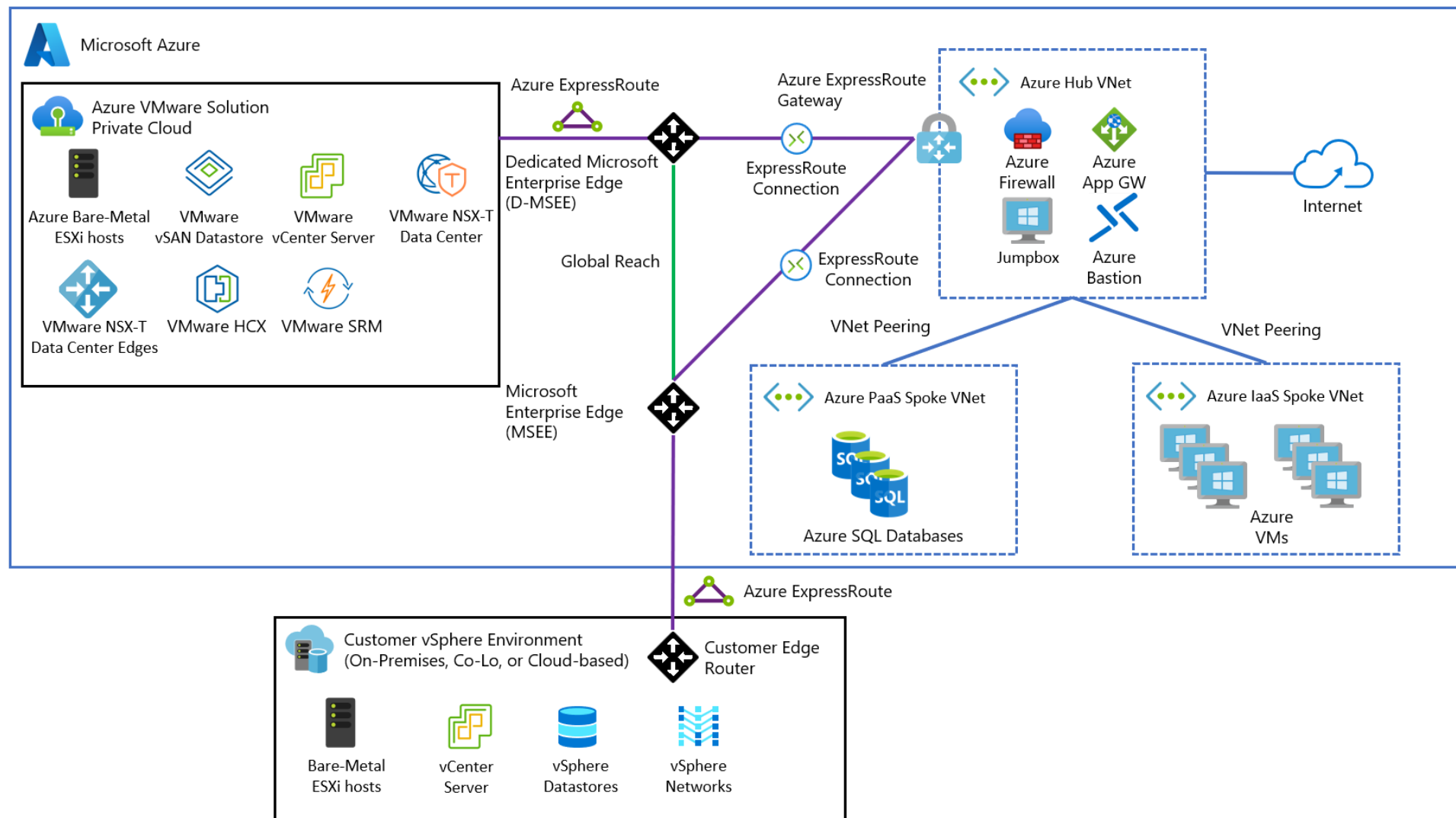
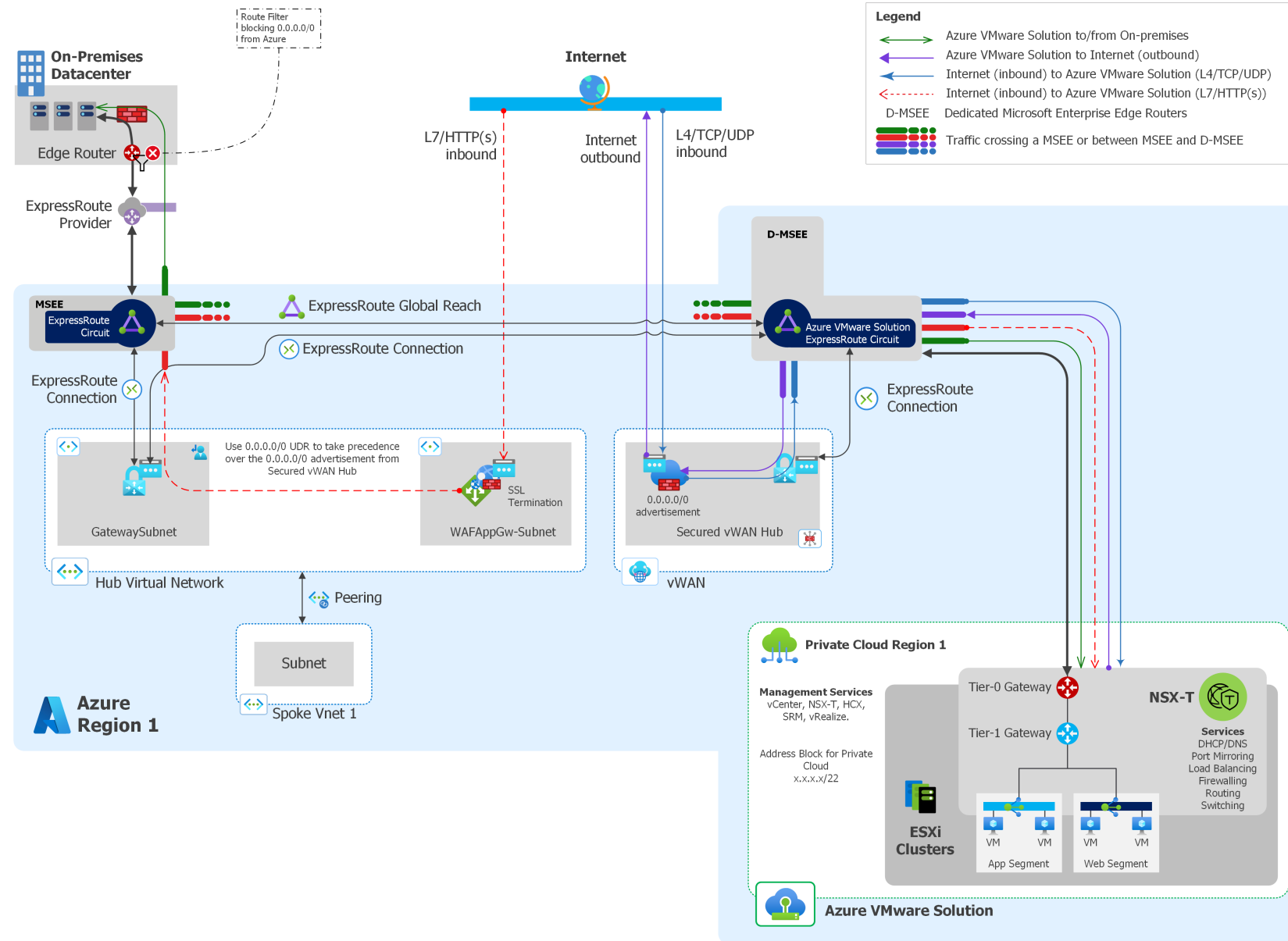


Схема посложнее



VMware внутри Microsoft

Scenario 1: Secured Virtual WAN Hub with default route propagation

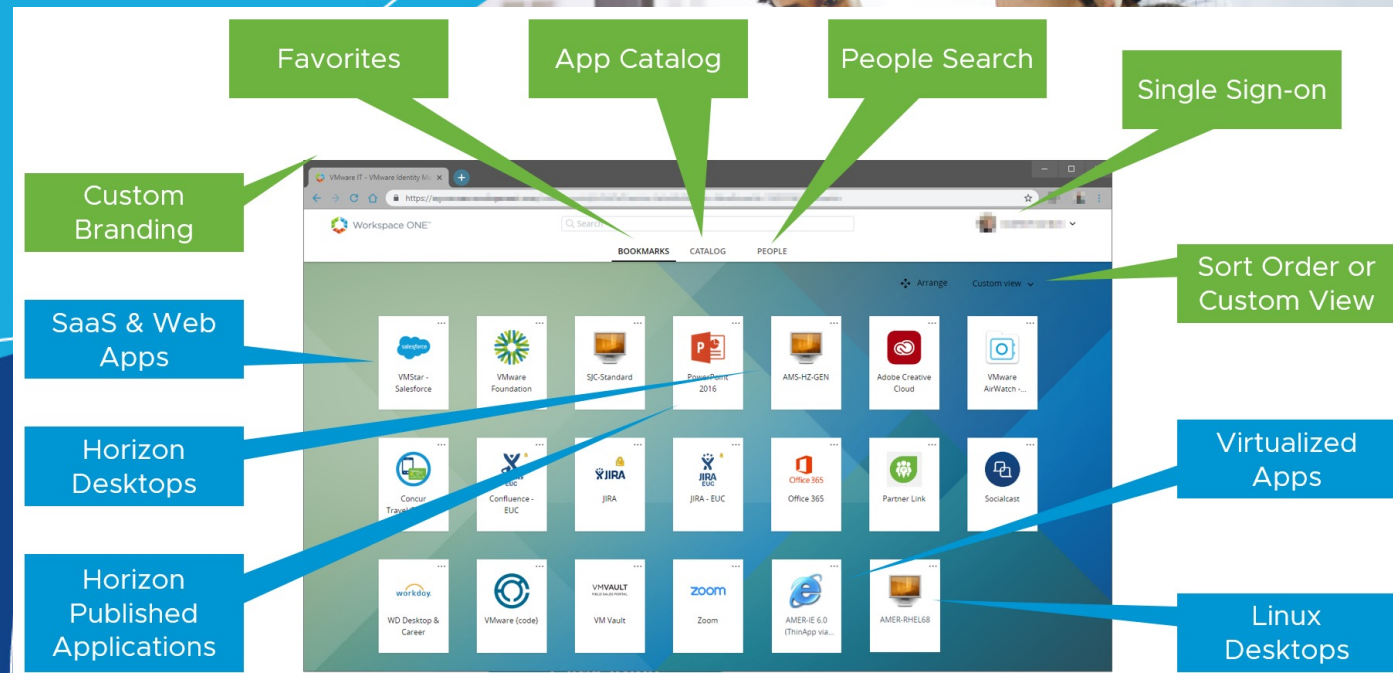


Horizon Cloud on Microsoft Azure

Hybrid Work >

Hybrid Cloud >

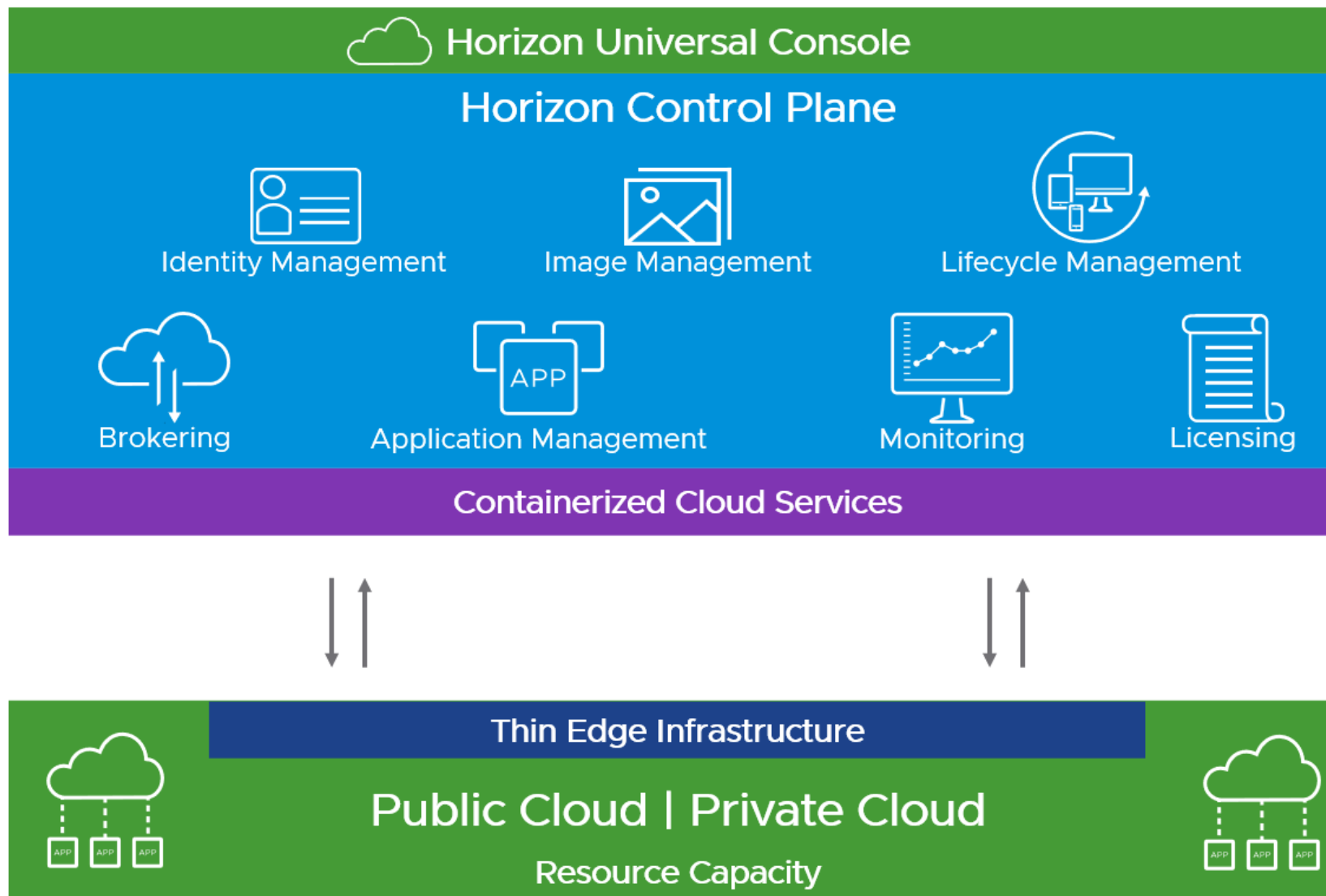
Business Continuity >



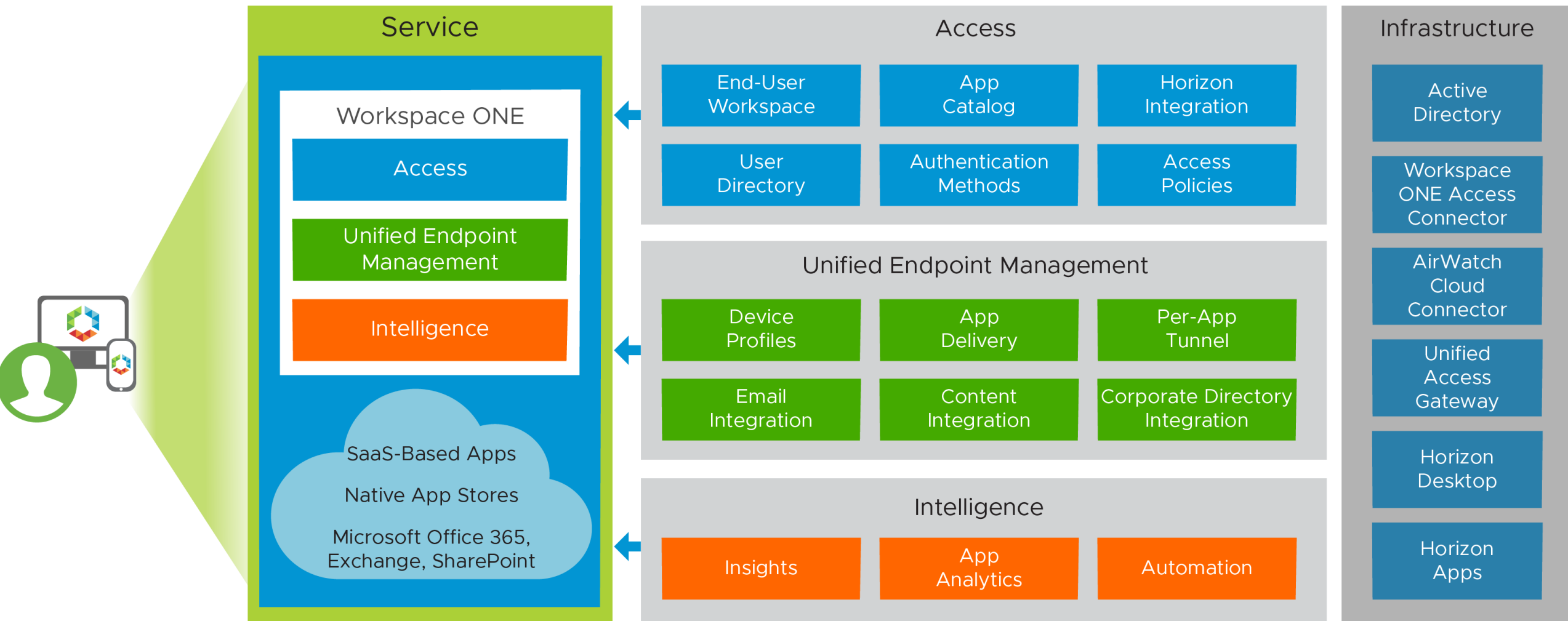
The screenshot displays the VMware Workspace ONE application catalog interface. It features a grid of application tiles, each representing a different service or application. The interface is organized into sections: 'Favorites' at the top left, 'App Catalog' in the center, 'People Search' at the top right, and 'Single Sign-on' on the far right. Below these, there are tabs for 'BOOKMARKS', 'CATALOG', and 'PEOPLE'. The main area shows a grid of application tiles, including 'VMStar - Salesforce', 'VMware Foundation', 'SJC-Standard', 'PowerPoint 2016', 'AMS-HZ-GEN', 'Adobe Creative Cloud', 'VMware AirWatch...', 'Concur Travel', 'Confluence - EUC', 'JIRA', 'JIRA - EUC', 'Office 365', 'Partner Link', 'Socialcast', 'workday', 'WD Desktop & Career', 'VMware (code)', 'VM Vault', 'Zoom', 'AMER-IE 6.0 (ThinApp via...', and 'AMER-RHEL68'. Callouts point to various features: 'Custom Branding' points to the top left, 'SaaS & Web Apps' points to the top row of tiles, 'Horizon Desktops' points to the middle row of tiles, 'Horizon Published Applications' points to the bottom row of tiles, 'Sort Order or Custom View' points to the top right, 'Virtualized Apps' points to the middle row of tiles, and 'Linux Desktops' points to the bottom row of tiles.

- Favorites
- App Catalog
- People Search
- Single Sign-on
- Custom Branding
- SaaS & Web Apps
- Horizon Desktops
- Horizon Published Applications
- Sort Order or Custom View
- Virtualized Apps
- Linux Desktops

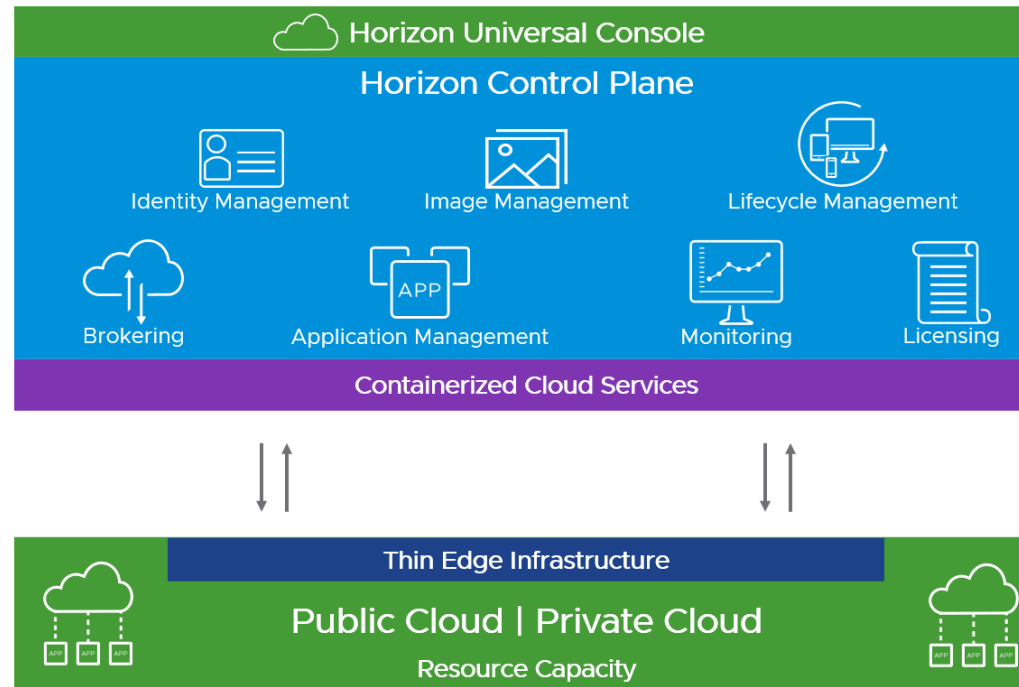
Horizon VDI и MDM - большой и разный

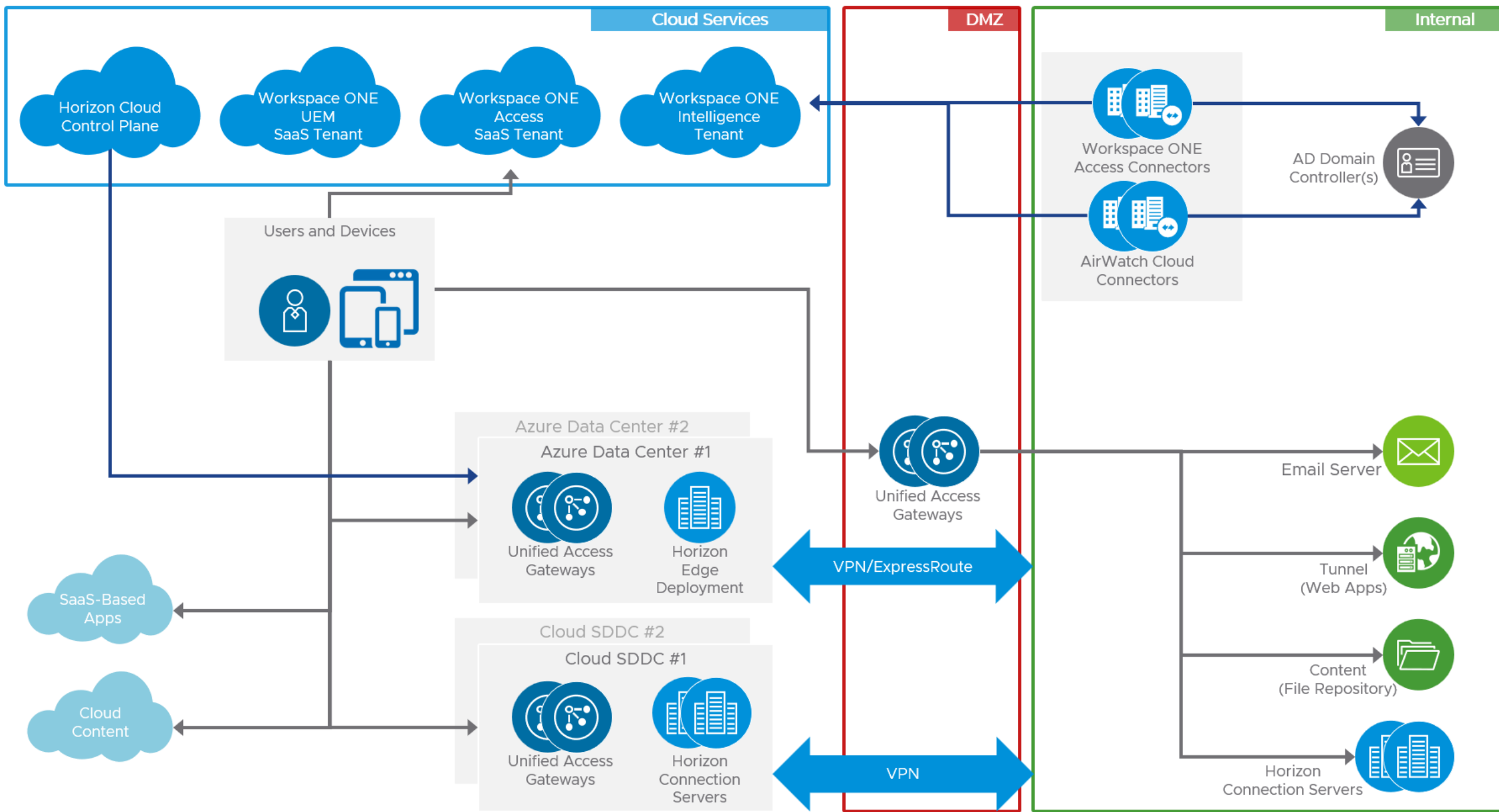


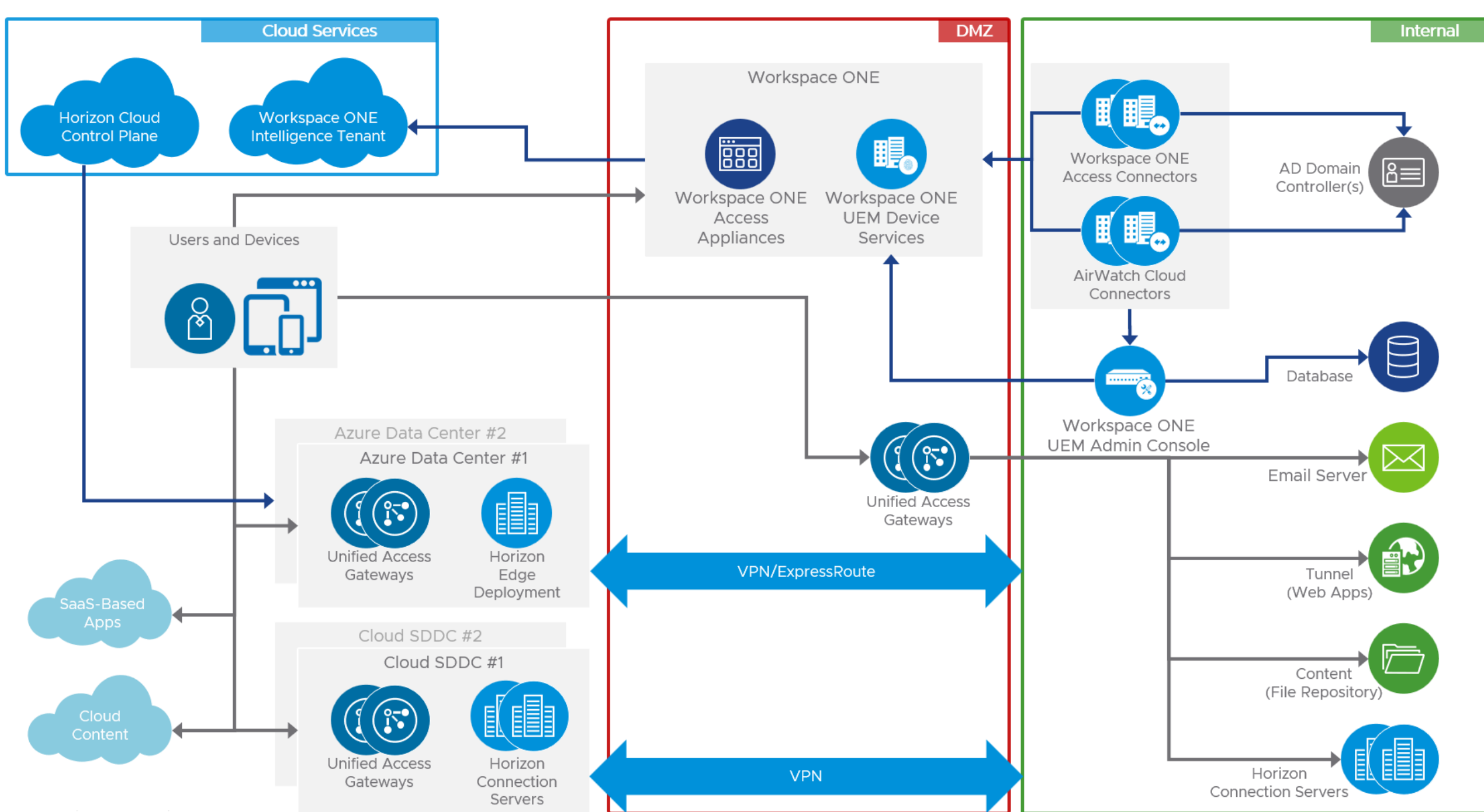
Horizon



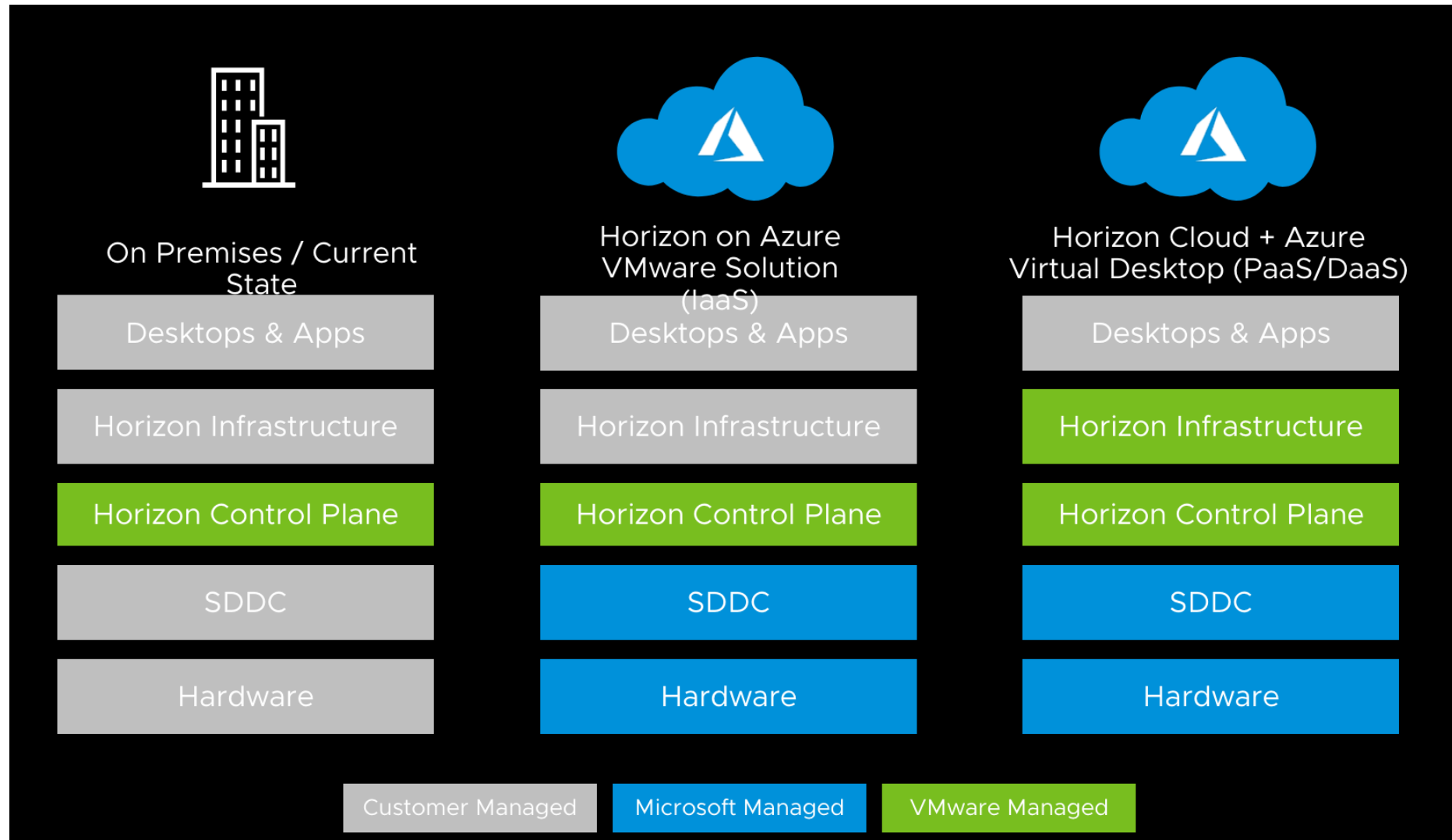
Варианты архитектур







Всегда есть несколько вариантов



Choose Horizon on AVS when minimizing degree of change & time to value are



On Premises / Current State

Desktops & Apps

Horizon Infrastructure

Horizon Control Plane

SDDC

Hardware



Horizon on Azure VMware Solution (IaaS)

Desktops & Apps

Horizon Infrastructure

Horizon Control Plane

SDDC

Hardware

Customer Managed

Microsoft Managed

VMware Managed

Outcome: Modernized Datacenter

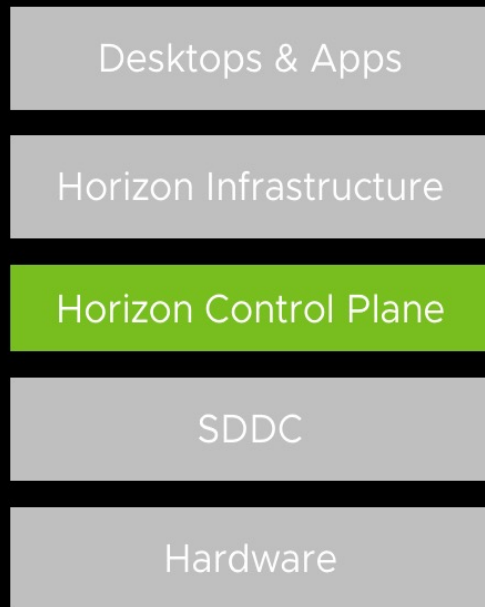
Best For: Customization and control of VDI Environment

Caveats: Can't take advantage of Multi-session economics

Choose Horizon Cloud + Azure Virtual Desktop when reducing ongoing cost is pa



On Premises / Current State



Horizon Cloud + Azure Virtual Desktop (Paas/DaaS)



Customer Managed

Microsoft Managed

VMware Managed

Outcome:

Modernized Datacenter
& VDI Environment

Best For:

Desktop As A Service (DaaS)
Multi-session economics

Caveats:

Requires transition to different
infrastructure/delivery model

Уже не VMware, а

omnissa™

omnissa™

Products ▾ Solutions ▴

Digital Employee Experience

Empower productive, satisfied employees

Unified Endpoint Management

More secure endpoints, enhanced employee experiences

Security and Compliance

Management and security, working together

Virtual Desktops and Apps

Address the evolving needs of your workforce

Horizon® Cloud Service™

Modernize virtual desktop and app delivery with a next-generation hybrid desktop-as-a-service (DaaS) platform.

Зачем?



Business Value Solution Brief, sponsored by VMware
October 2023 | IDC #US51258923

https://www.vmware.com/content/dam/learn/en/amer/fy24/pdf/2348351_The_Business_Value_of_VMware_Horizon_Hybrid_Cloud_and_Multicloud_Deployments_Solution_Brief_IDC_US51258923_BVSB.pdf



IDC Opinion

The transition from the continuous churn of digital transformation to digital operations has accelerated, rather than reduced, the importance of efficiently managing the digital workspace. In fact, in IDC's May 2023 *Future Enterprise Resiliency and Spending (FERS) Survey*, IT operations was the second area least likely to be impacted by budget cuts (22% of respondents said it was immune) while end-user devices was fourth (with 19% of respondents saying it was immune to budget cuts). At the same time, organizations have not simplified their security and infrastructure — in survey after survey, over 80% indicate they have and will continue to operate in a complex, multicloud environment including both private clouds and dedicated, bespoke hardware for custom applications.

Managing this complexity while simultaneously enabling more and more complex services requires a digital workspace management solution that incorporates multicloud controls, automation, and both application and desktop virtualization. Among these solutions is VMware's Horizon platform, part of the VMware Anywhere Workspace solutions.

IDC spoke with organizations using VMware Horizon solutions leveraging the software-as-a-service (SaaS)—based Horizon Control Plane about their experiences. Deployments include Horizon 8 on premises, in the public cloud, and/or desktop as a service (DaaS) through Horizon Cloud. These VMware customers reported that they have established more cost-efficient, effective, and scalable virtual desktop infrastructure (VDI), DaaS, and published app ecosystems while delivering higher-quality VDI, DaaS, and published application services to employees and customers (collectively referred to as "VDI" throughout this study).

Interviewed organizations cited the following as common benefits of using VMware Horizon hybrid cloud and multicloud environments:

- **Cost and operational benefits** that lower the cost of delivering VDI services by optimizing licensing, reducing capital spend on hardware, and managing VDI environments more efficiently
- **Performance and reliability benefits** that result in employees having access to higher-quality VDI services in terms of performance and availability

Business Value Highlights

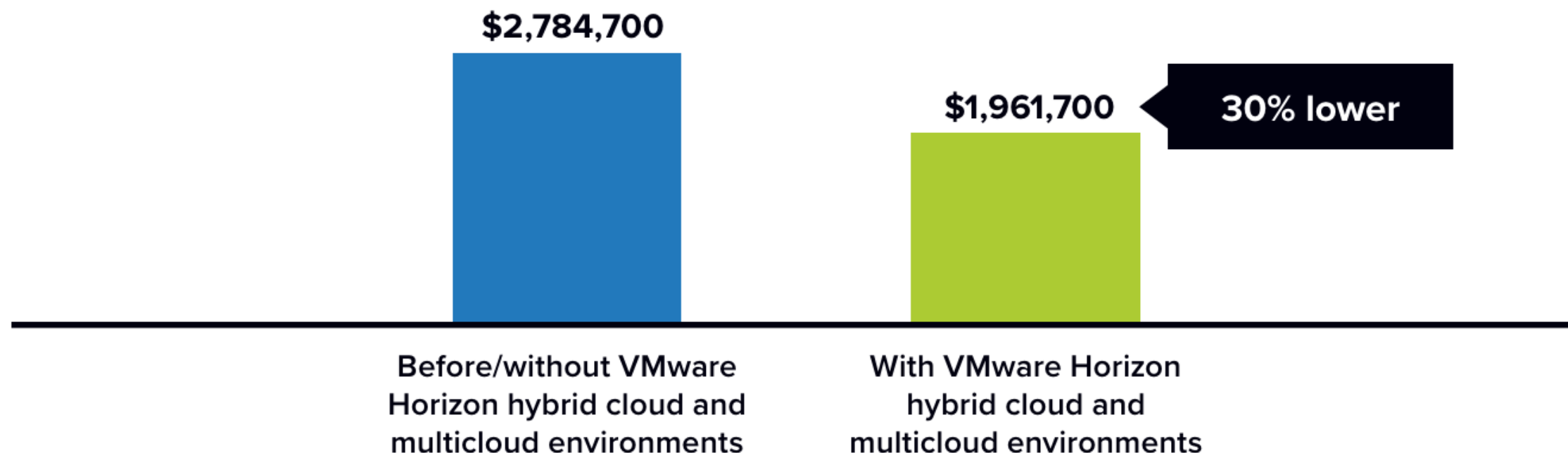
Click highlights below to navigate to content within this document.

- ↓ **39%**
lower three-year cost of operations
- ↓ **30%**
lower cost of VDI licensing and infrastructure
- ↑ **Almost 2x**
more users per VDI administrator
- ↑ **63%**
faster to scale VDI environments
- ↑ **25%**
faster to deploy new virtualized desktop
- ↑ **67%**
faster to troubleshoot VDI issues
- ↑ **113%**
more users with VDI access

Зачем?

Cost of VDI Environment per Year

(Cost per organization per year)



n = 5; Source: IDC Business Value In-Depth Interviews, July 2023

Зачем?

VDI Management Team Efficiencies

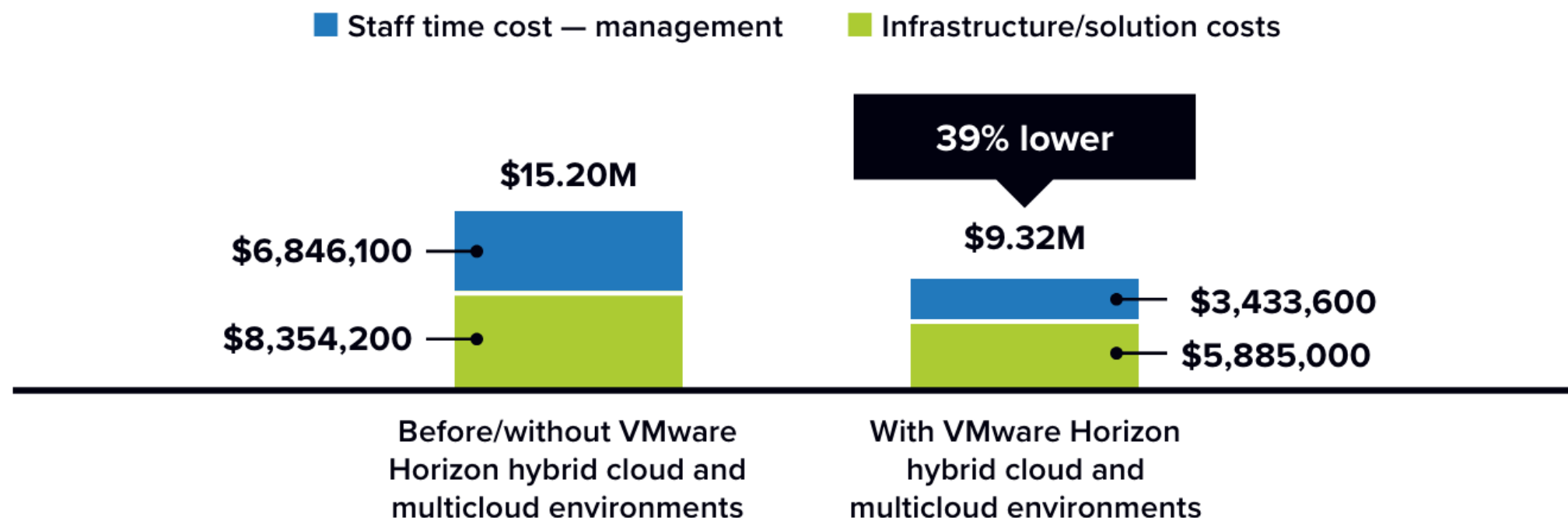
	Before/Without VMware Horizon Hybrid Cloud and Multicloud Environments	With VMware Horizon Hybrid Cloud and Multicloud Environments	Difference	Change
Equivalent FTEs required for same workloads	22.8	11.4	11.4	50%
Staff hours per 100 VDI users	398	200	198	50%
Number of VDI users supported per VDI administrator	472	941	469	99%
Value of equivalent FTE time required (cost per organization per year)	\$2.28M	\$1.14M	\$1.14M	50%

n = 5; Source: IDC Business Value In-Depth Interviews, July 2023

Зачем?

Total Cost of VDI Environment for Three Years

(Cost per organization for three years)



n = 5; Source: IDC Business Value In-Depth Interviews, July 2023

For an accessible version of the data in this figure, see [Figure 2 Supplemental Data](#) in Appendix 2.

Зачем?

Troubleshooting Benefits

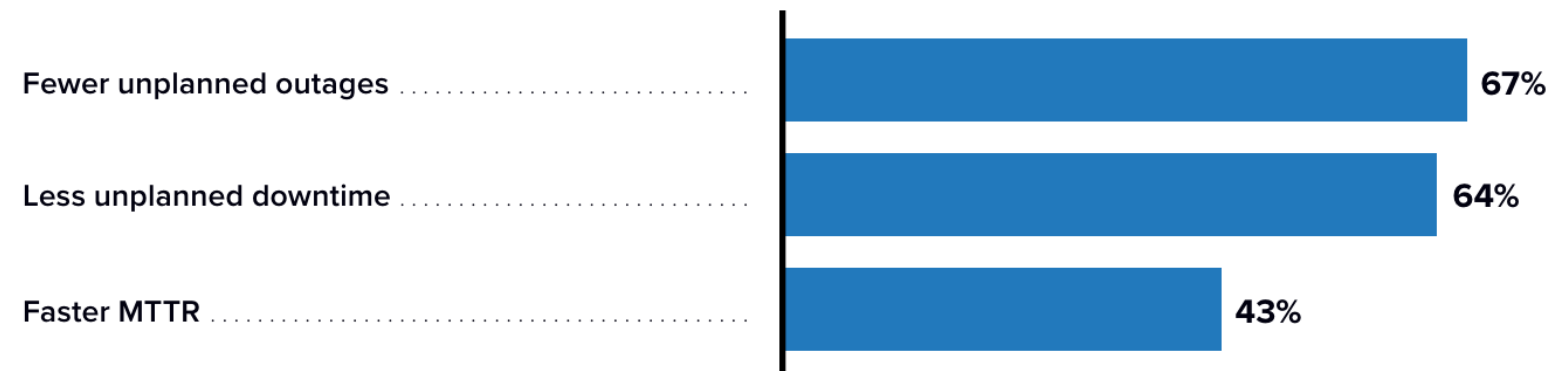
(% benefit with VMware Horizon hybrid cloud and multicloud environments)



n = 5; Source: IDC Business Value In-Depth Interviews, July 2023

Performance and Reliability Benefits

(% benefit with VMware Horizon hybrid cloud and multicloud environments)



n = 5; Source: IDC Business Value In-Depth Interviews, July 2023

Зачем?

Business Productivity Benefits: User Productivity Gains

	Per Organization	Per 100 Users
Productivity gain associated with access to VDI	22%	22%
Value of higher gross productivity — enhanced access (FTEs)	229.0	2.1
Value of higher net productivity — enhanced access (FTEs)	34.4	0.3
Value of higher net productivity per year	\$2.41M	\$22,300

n = 5; Source: IDC Business Value In-Depth Interviews, July 2023

Call to action

Для точной оценки потребуется более детальная информация о конкретном использовании сервисов.
Обратитесь к нам для актуального расчета

vmware@noventiq.com

Спасибо!

veeam@noventiq.com

