



AVD TECH FEST 2024

hosted by control 

TWO VOICES, ONE FUTURE END USER COMPUTING (EUC) TRENDS FOR 2024 AND BEYOND



WELCOME!



Dr. Benny Tritsch

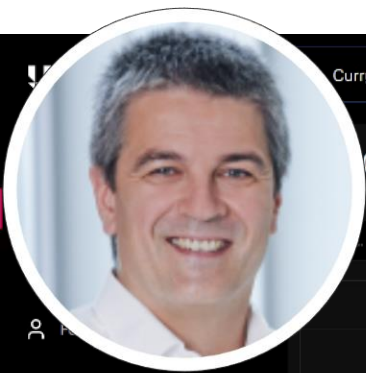
Managing Director
at Dr. Tritsch IT Consulting
benny@drtritsch.com



Ruben Spruijt

Field CTO at Dizzion
ruben@dizzion.com





Currywurst and End User Computing: Dr. Tritsch, country, honky tonk, old country,

Create

18/18



Creations



All

Liked

Published

Trees

Track

Show Generation Tree



Ballad of Dr. Tritsch

Currywurst and End User Computing: Dr. Tritsch • Country • Honky tonk

Ruben Spruijt ▶ 0 ♥ 0 ⌚ 13m

0:32

Remix

Extend

Publish



Tech Trails with Dr. Tritsch

Currywurst and End User Computing: Dr. Tritsch • Country • Honky tonk

Ruben Spruijt ▶ 1 ♥ 0 ⌚ 13m

0:32

Remix

Extend

Publish



Tech Campaigner's Ballad

Currywurst and End User Computing: Dr. Tritsch • Country • Honky tonk

Ruben Spruijt ▶ 0 ♥ 0 ⌚ 14m

0:32

Remix

Extend

Publish



Tech Trailblazer

Currywurst and End User Computing: Dr. Tritsch • Country • Honky tonk

Ruben Spruijt ▶ 0 ♥ 0 ⌚ 14m

0:32

Remix

Extend

Publish



The Tritsch Tech Ballad

Currywurst and End User Computing: Dr. Tritsch • Country •

Ruben Spruijt ▶ 2 ♥ 0 ⌚ 20m

0:32

Remix

Extend

Publish



Tech Troubadour

Currywurst and End User Computing: Dr. Tritsch • Country •

Ruben Spruijt ▶ 1 ♥ 0 ⌚ 20m

0:32

Remix

Extend

Publish



Next



AI Music Generator



Tech Trails with Dr. Tritsch

Ruben Spruijt



Play/Pause

0:00

0:32





AGENDA

- What the Hex is happening in EUC?
- Shift from EUC infrastructure to DEX

What the **Hex** is happening
in End User Computing?!

AI w/ new Applications and Services

Simplification - Standardization

Software – as a Service – MSP

Blending Physical and Virtual

Mergers & Acquisitions

Digital Employee Experience

Monoculture & Silo thinking



End User Computing: A **Complex** Ecosystem

It's not a single product or vendor, and it's not like a turn-key solution.

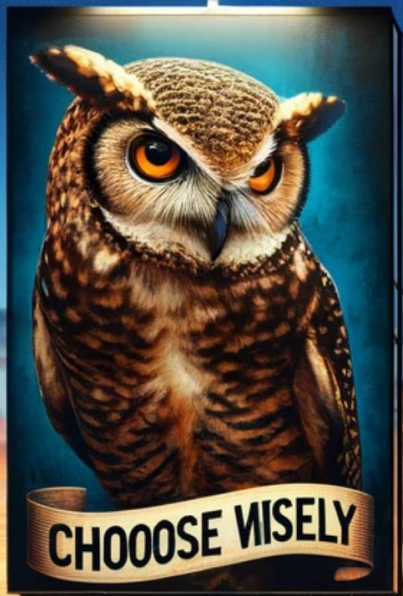
End User Computing: A Complex Ecosystem

Just use a **single product or vendor**, and you will get a
turn-key solution....

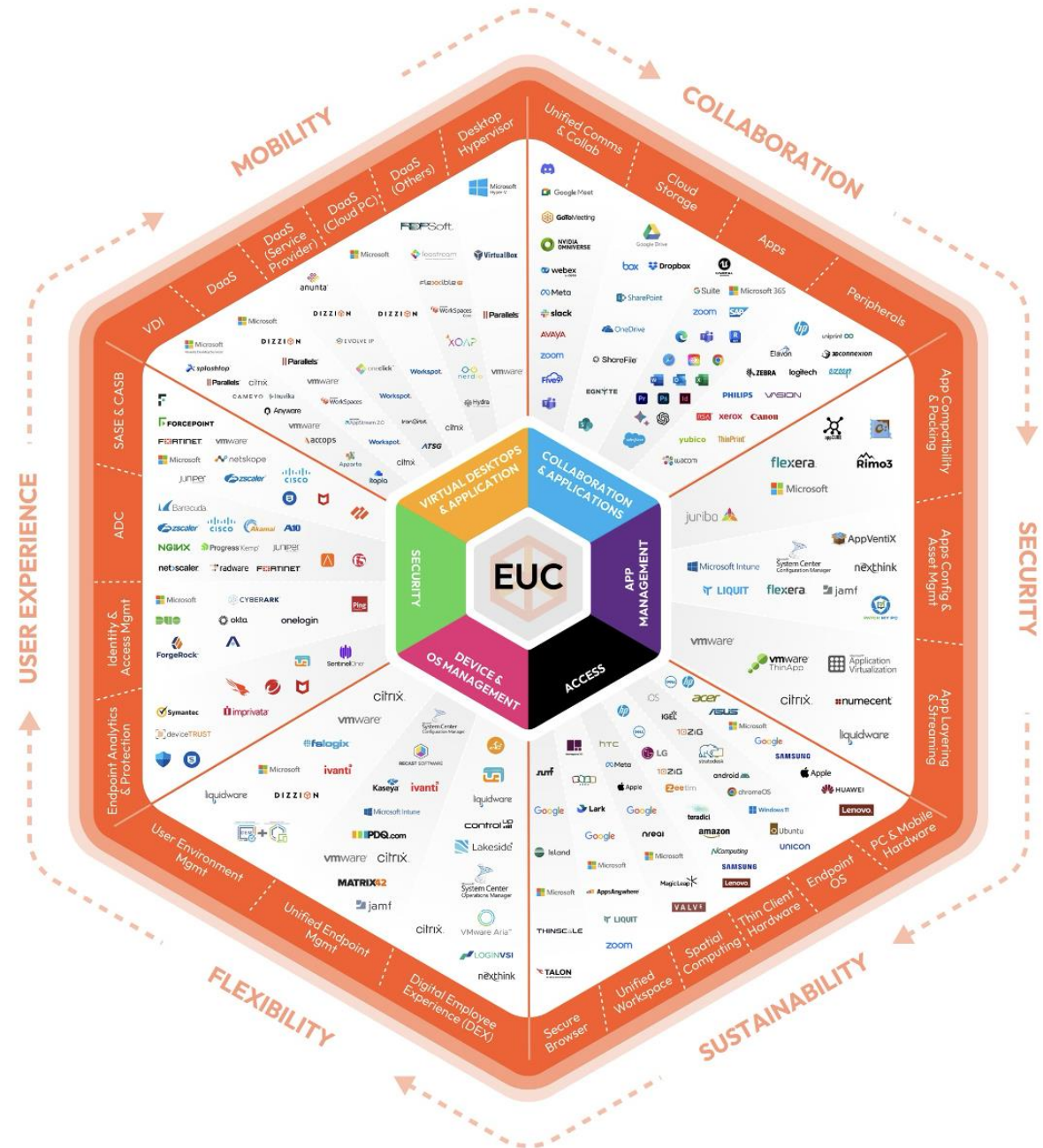
A wide-angle photograph of a large agricultural field. In the center, a red tractor is moving away from the viewer, spraying a fine mist of white liquid onto the crops. The field is filled with rows of green plants, likely corn, which are planted in very straight, parallel lines that recede into the distance. The sky is a pale, hazy blue. In the far background, a small town or village is visible, featuring several buildings and two prominent church spires. The overall scene depicts a typical modern monoculture farming operation.

Monoculture?!

PROS	CONS
<u>Increased productivity</u> and efficiency	Pests Management
Specialized Production	Higher Pesticides Use
Yields Maximization	<u>Soil Degradation</u> And Fertility Loss
<u>Easier To Manage</u>	Higher Use Of Fertilizers
<u>Higher Revenues</u>	Higher Water Use
	<u>Decrease In Biodiversity</u>
	Impact On Pollinators
	<u>Economic Risks</u>
	<u>Environmental Impacts</u> Of Monoculture



Introducing EUC Hexagrid

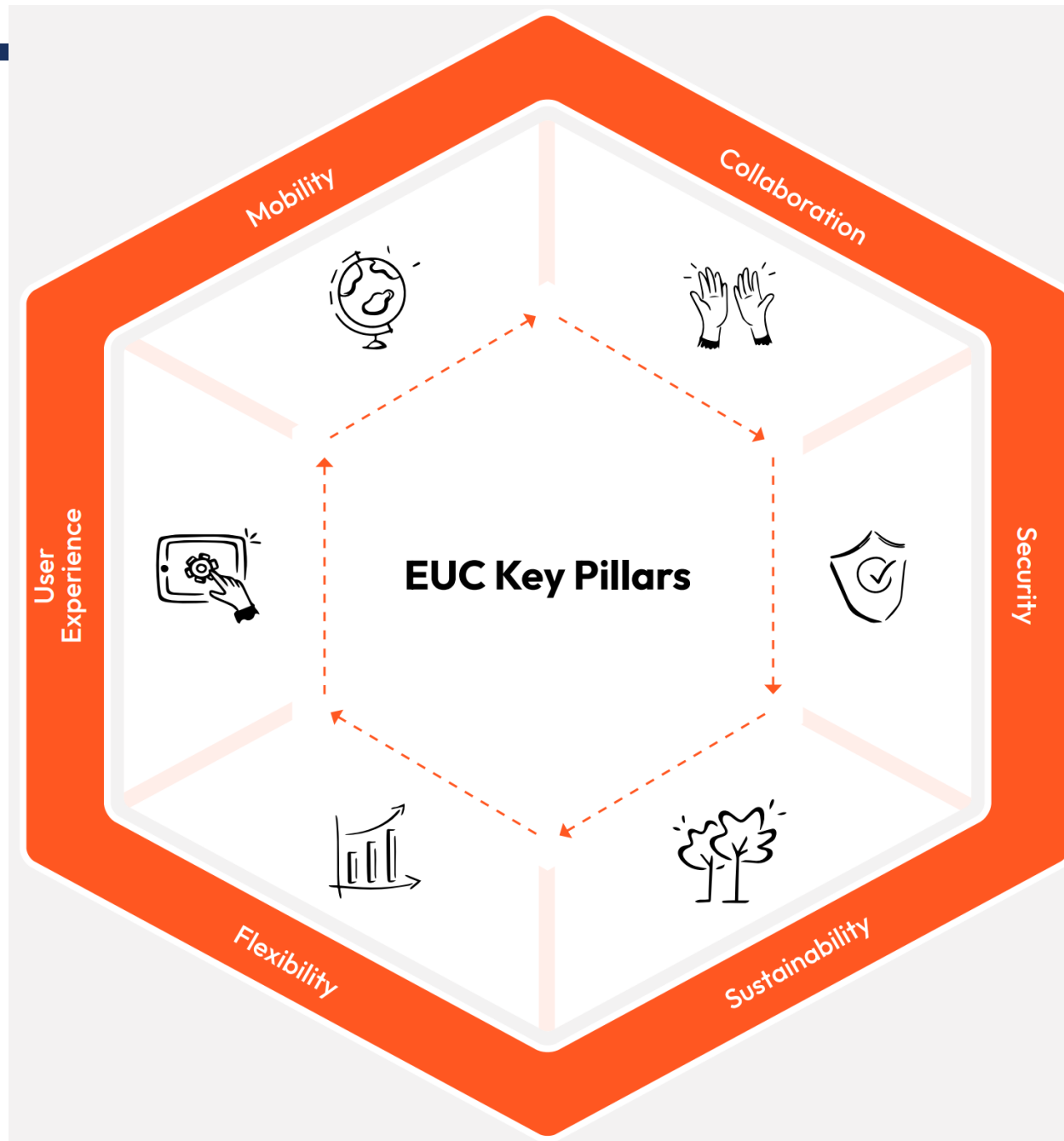


EUC HEXAGRID

6 MAJOR EUC CATEGORIES

24 SUB-CATEGORIES

220+ EUC VENDORS



WHY EUC MATTERS

User Productivity

EUC empowers the end user by providing tools tailored to an individual's specific workflow, allowing significant productivity improvements.

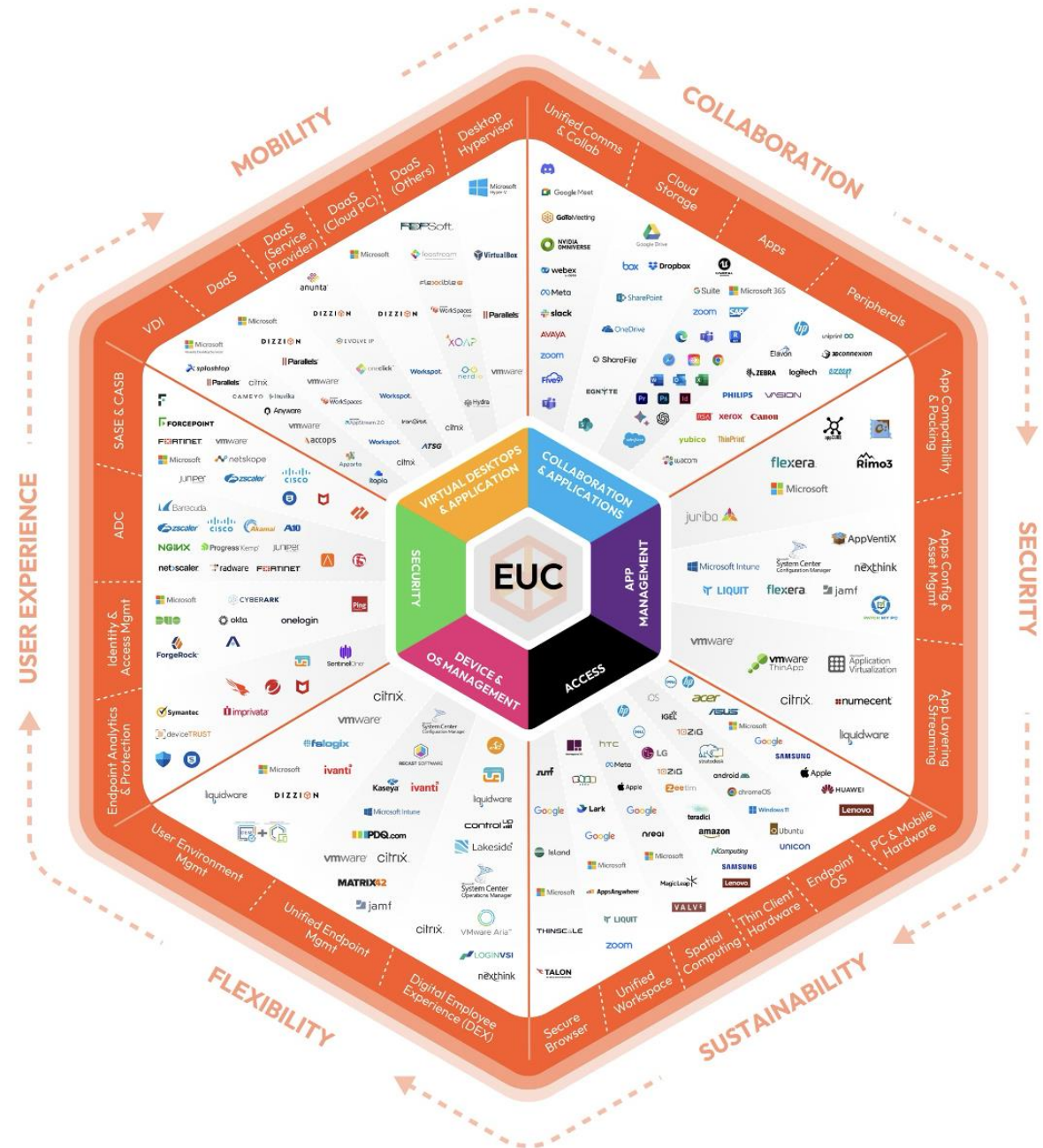
Organizational Agility

EUC helps organizations stay creative and agile because it lets employees use new tools and technologies easily, helping companies keep up with changes and try new ways of doing things. By making it easier for people to work together and share ideas, EUC helps everyone innovate better. This flexibility is critical for staying ahead in today's fast-moving world, as it allows companies to adjust to new situations and opportunities quickly.

Data and Endpoint Security

Keeping company data safe is harder as more people work from home and use their own devices. EUC solutions help by managing all devices and apps from one place, ensuring security access rules are the same everywhere in the company. This way, it's easier to follow laws about data protection, control who has access to what, and keep track of data use, which lowers the chance of data leaks and keeps critical information safe.

EUC Hexagrid

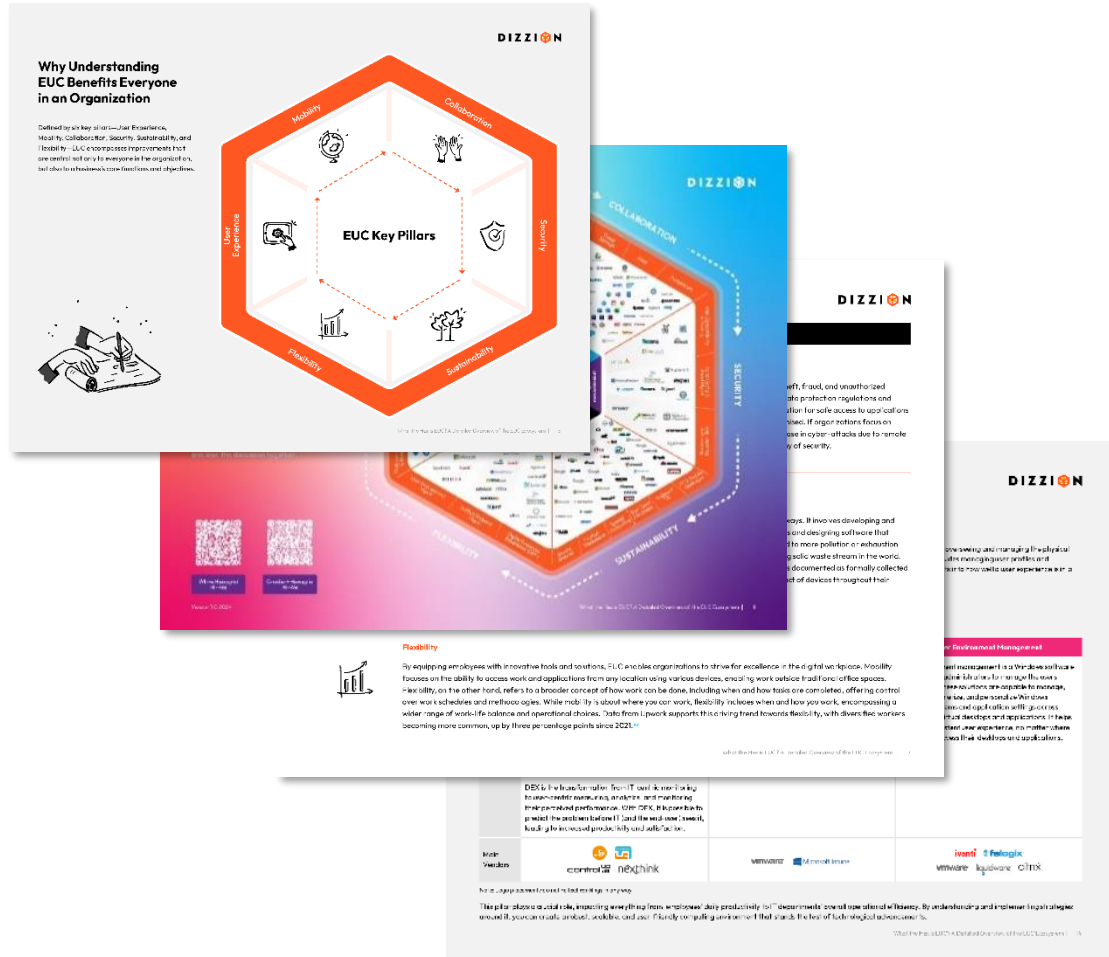




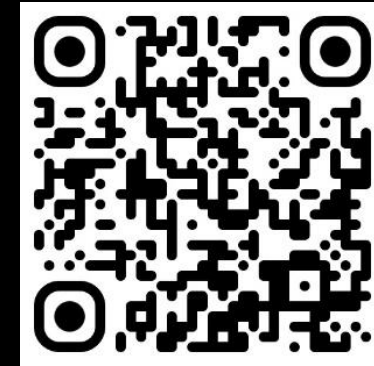
Exclusive Whitepaper

What the Hex is EUC?

A Detailed Overview of the End-User Computing Ecosystem



FOLLOW ALONG!






















Whitepaper



Infographic

Explore the Future of EUC


















PILLAR 1 : ACCESS

Subpillar	PC & Mobile Hardware	Endpoint OS	Thin Client Hardware
Purposes & Benefits	PC and mobile hardware refers to physical devices like desktop computers, laptops, smartphones, and tablets that end-users use for work and personal tasks. These devices are essential for accessing local and remote applications, data, and services, enabling users to <i>get work done</i> . The hardware choice depends on the user's needs, whether for more powerful processing, portability, or convenient access on the go, reflecting the diverse ways technology supports our daily activities.	Endpoint operating system (OS) is the software that runs on and manages the hardware of a PC, mobile, Thin Client, and spatial computer. It acts as a bridge between the physical device and the applications you use, allowing those apps to run and perform tasks. Endpoint OS ensures smooth execution of applications and computing tasks with intuitive user interfaces, seamless integration with productivity apps, and platform-agnostic capabilities, enhancing user experience, security, and management.	Thin Client hardware provides a stripped-down computing environment that reduces hardware maintenance and enhances data security through centralized resource management. It is a lightweight computer that is designed to connect to a 'virtual desktops and application' solution and run Software as a Service and web applications using a locally installed browser. Thin clients often are cost-effective, energy-efficient, and easier to manage than traditional PCs.
Main Vendors	       	  Apple     Microsoft  chromeOS	   

Note: Logo placements do not reflect rankings in any way

Explore the Future of EUC

Pillar 1 : Access

Subpillar	Spatial Computing (AR/VR/MR)	Unified Workspace	Enterprise Browser
Purposes & Benefits	<p>Spatial computing includes augmented-, virtual-, and mixed realities and offers immersive experiences to end-users and revolutionizes access beyond screens, transforming access in the virtual world. Spatial computing transforms how we work, learn, collaborate, and interact with other people, applications and information, making it more immersive and intuitive.</p>	<p>A unified workspace aggregates and integrates information, services, and applications into a single easy to use interface.</p> <p>This allows end-users to access everything they need to work effectively from any device, anywhere. It simplifies the user experience, enhances productivity, and supports flexibility by providing a single point of access to all work resources, making it easier to manage and switch between tasks.</p>	<p>An enterprise browser is a web browser running on the endpoint PC designed specifically for business use, with enhanced security features to protect sensitive information and provide secure and controlled access to Web, SaaS, and virtual applications and desktops. It helps companies safely access the internet and cloud applications by managing user access, blocking malicious websites, and ensuring data privacy. This type of browser is built to comply with corporate security policies and provides tools for monitoring and controlling usage, making it a safer choice for accessing work-related resources online.</p>
Main Vendors	<div></div>	<div></div>	<div></div>

Note: Logo placements do not reflect rankings in any way

Explore the Future of EUC

Pillar 1 : Access

Question:

What are developments in **Access**?

- AI as a companion (CPU/NPU/GPU)
- Private AI & inferencing at the edge
- ThinClient & Chrome OS – SaaS, Digital signage, Factory
- Spatial Computing
- Unified Workspace
- Secure (local) Enterprise Browser – Remote Browser
- Isolation is VDI/DaaS

Talking about AI ...







MICROSOFT **BUILD** 2024 SUMMARIZED



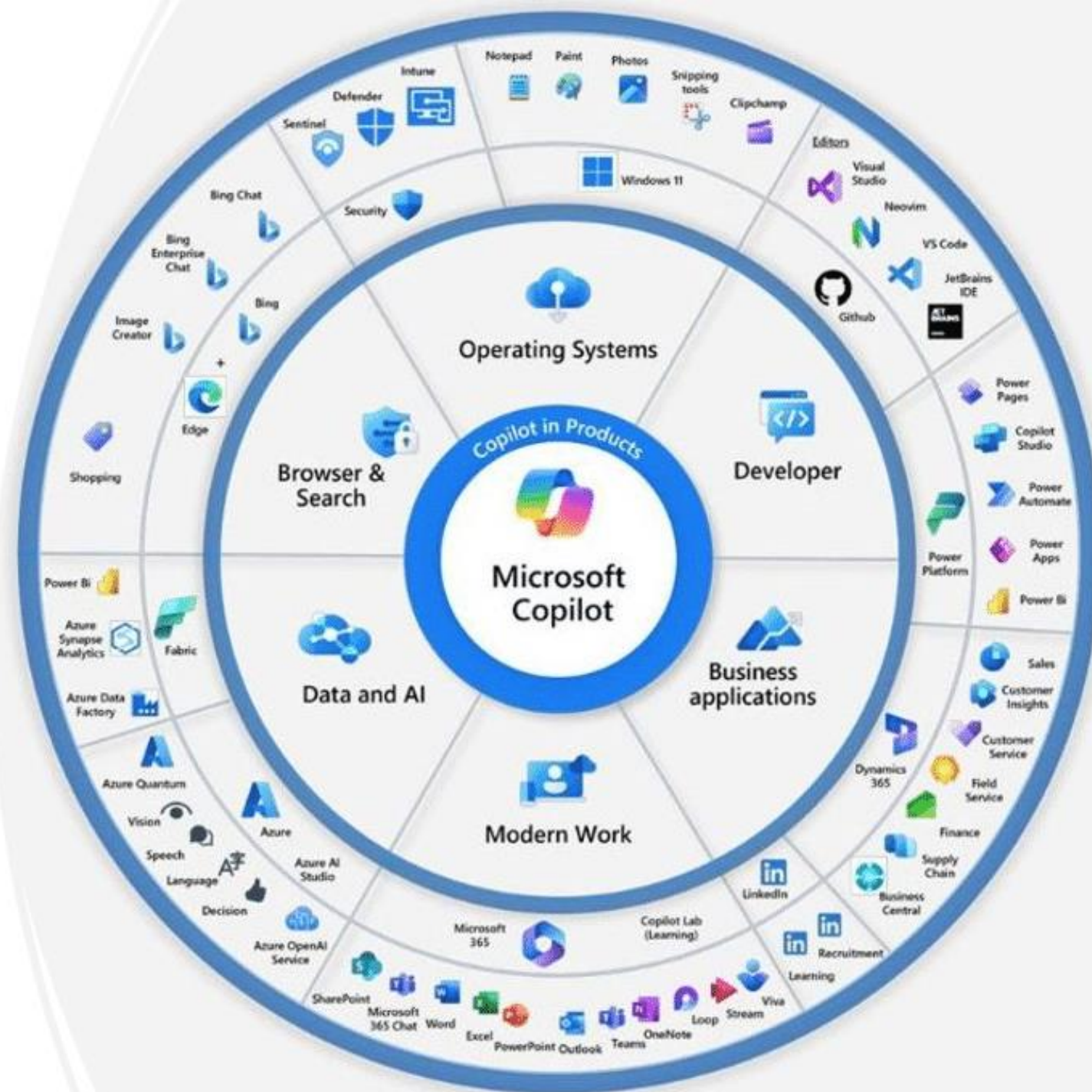
MICROSOFT ~~BUILD~~ 2024 SUMMARIZED

MICROSOFT **IGNITE** 2024 SUMMARIZED



MICROSOFT BUILD 2024 SUMMARIZED





Software ate the world.

Let's hope AI eats the work we rather not do.




















WITH GREAT
POWER
COMES GREAT
RESPONSIBILITY

Explore the **Future** of EUC


Pillar 2 : Virtual Desktop and Applications

Subpillar	VDI (Virtual Desktop Infrastructure)	DaaS (Desktop as a Service)	DaaS (Service Provider)
Purposes & Benefits	<p>Virtual desktop infrastructure (VDI) is a software that is designed, installed, configured, and managed by IT departments or a managed services provider and provides end-users access to (mostly) remote Windows desktops and applications. These desktops and applications are running within virtual machines, mostly running in a datacenter or datacenters. The remoting protocol 'streams' pixels to end-user endpoint devices, so users can use virtual desktops and applications from anywhere and on any device, provided there is a decent network connection.</p>	<p>Desktop as a Service (DaaS) is a service that provides end-users access to remote virtual desktops and applications via virtual machines running in the cloud, on-premises, or both, accessed through a remote display protocol. This means users can access their virtual desktops and applications from any device, anywhere, without being tied to a single physical computer.</p> <p>DaaS is a public cloud service that is architected, developed, and operated as a service. Organizations can use DaaS either as a ready-to-use service or use the 'DaaS control plane' as a platform, requiring client-led setup, configuration, and management of the workload virtual machines. The workload VMs can run in the cloud, on-premises, or both depend on the DaaS provider. The pricing model for DaaS typically involves subscription or pay-per-use schemes.</p>	<p>A DaaS service provider is a company that offers Desktop-as-a-Service solutions, handling the back-end responsibilities associated with data storage, backup, security, and upgrades. Outsourcing to a DaaS provider allows businesses to offload technical burdens, reduce internal IT workloads, and focus on core business activities.</p>
Main Vendors	 Microsoft  VMware  Parallels  Citrix	 DIZZION  Citrix  AWS  Microsoft  VMware  Workspot	 anunta  ATSG  Workspot  DIZZION  EVOLVE IP

Note: Logo placements do not reflect rankings in any way

Explore the Future of EUC

Pillar 2 : Virtual Desktop and Applications

Subpillar	DaaS (Cloud PC)	DaaS (Others)	Desktop Hypervisor
Purposes & Benefits	Cloud PC refers to a modern approach where the personal computer experience is delivered from the cloud, accessible from multiple devices. Cloud PC solutions provide a flexible and efficient computing environment that supports a remote and mobile workforce with consistent access to their desktops.	DaaS (Others) are software tools or platforms that enable the automation, orchestration, deployment, management, and optimization of Desktop as a Service solutions. These tools simplify IT management, allowing administrators to configure, manage, monitor and run Desktop as a Service. Often, DaaS tools fill gaps in the DaaS solution.	A desktop hypervisor is a software that allows multiple desktop operating systems to run on a single machine (the host) by creating and managing virtual machines. This enables developers, testers, and power users to run multiple operating systems or versions concurrently, aiding in testing and development scenarios.
Main Vendors	 Microsoft  Citrix  Workspot.  DIZZION	 Amazon WorkSpaces Core  leostream Remote Desktop Access Platform  nerdio	 Microsoft  VMware  ORACLE  Parallels™

Note: Logo placements do not reflect rankings in any way

Explore the Future of EUC

Pillar 2 : Virtual Desktop and Applications

Question:

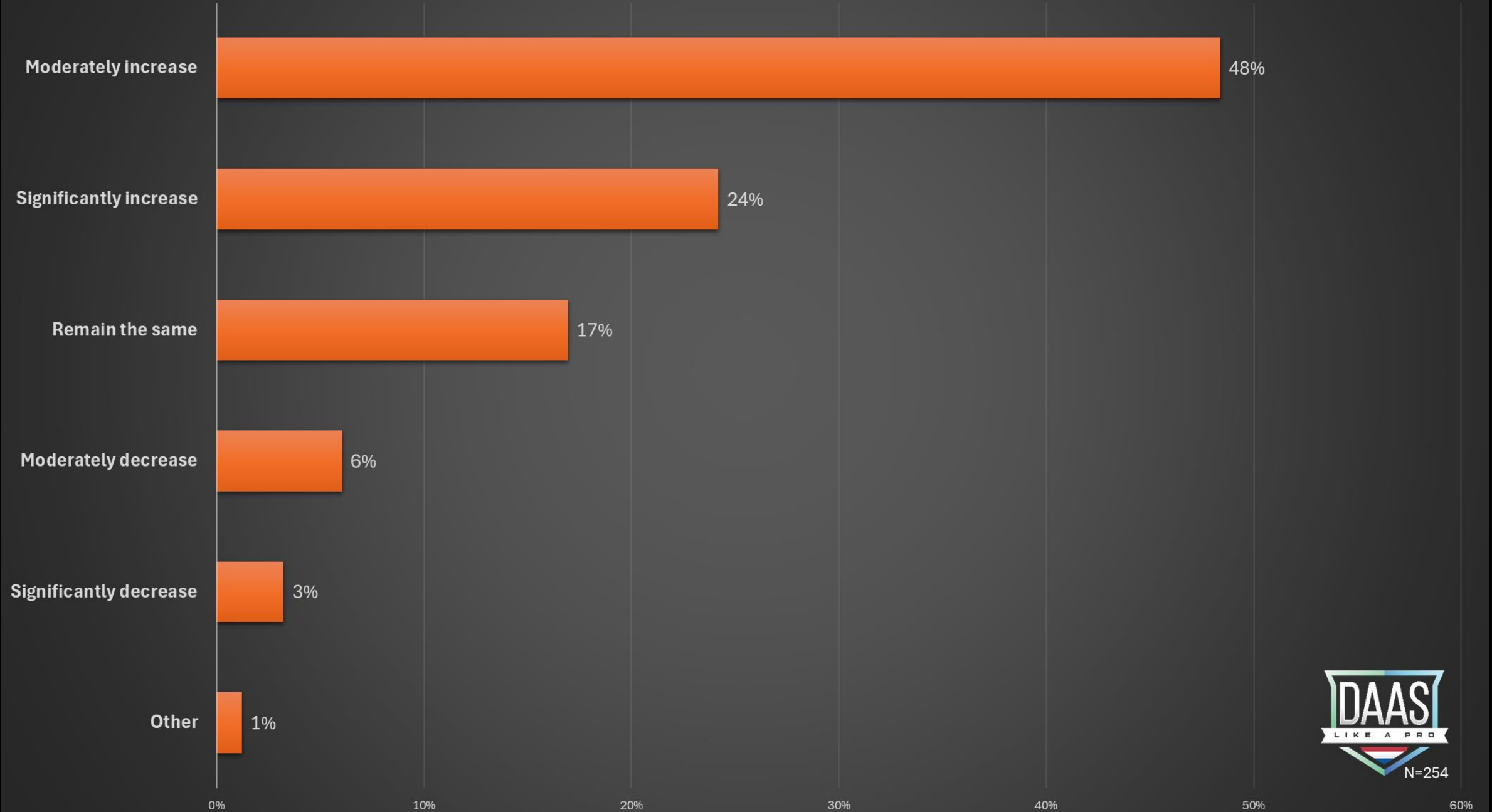
What are developments in

Virtual Desktop and Applications?

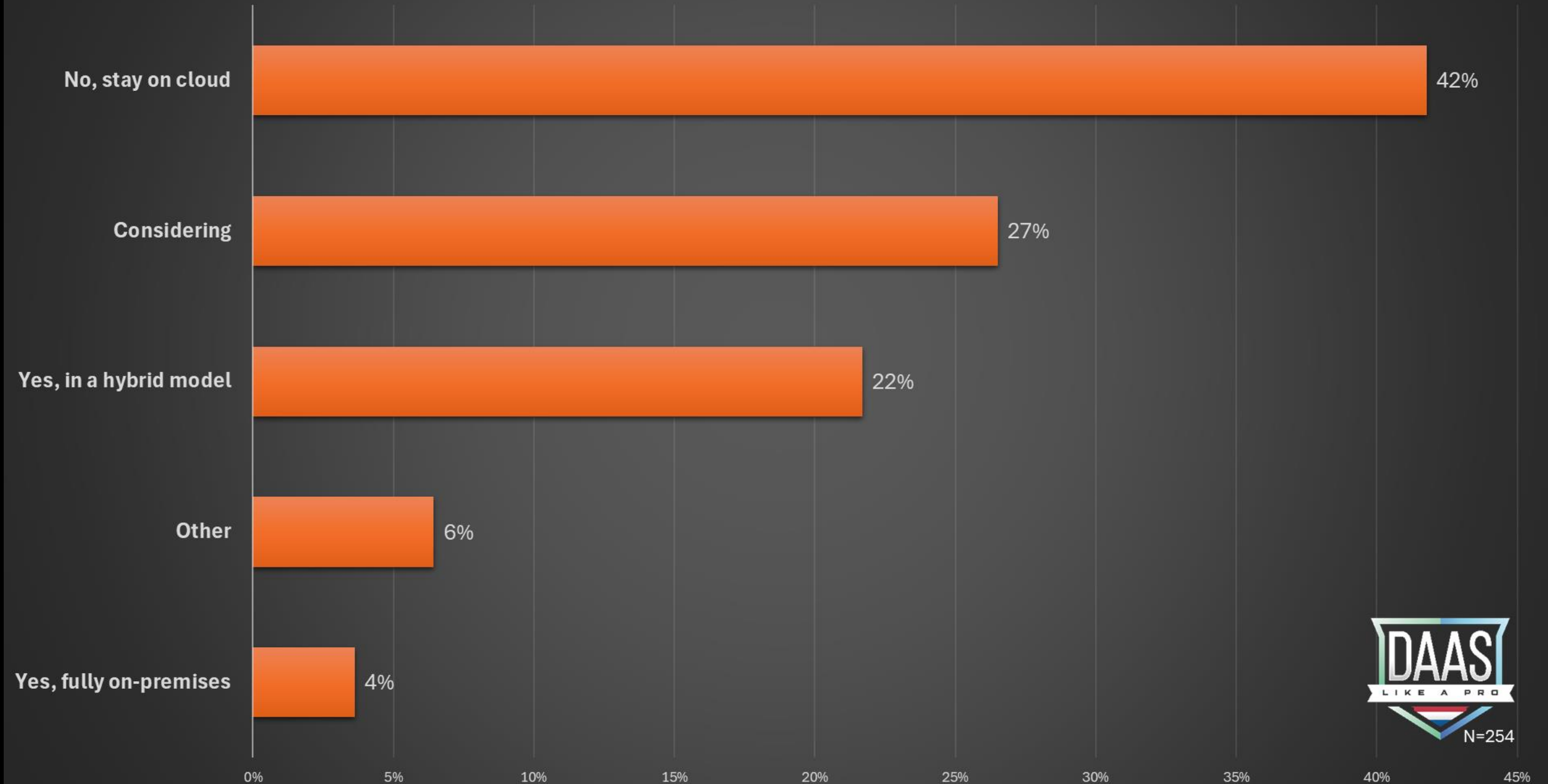
- Citrix, Omnissa/VMware
- VDI > DaaS 'vendor assembled/managed'
- Complexity <> Services & MSP
- Desktop > App
- DaaS Tools



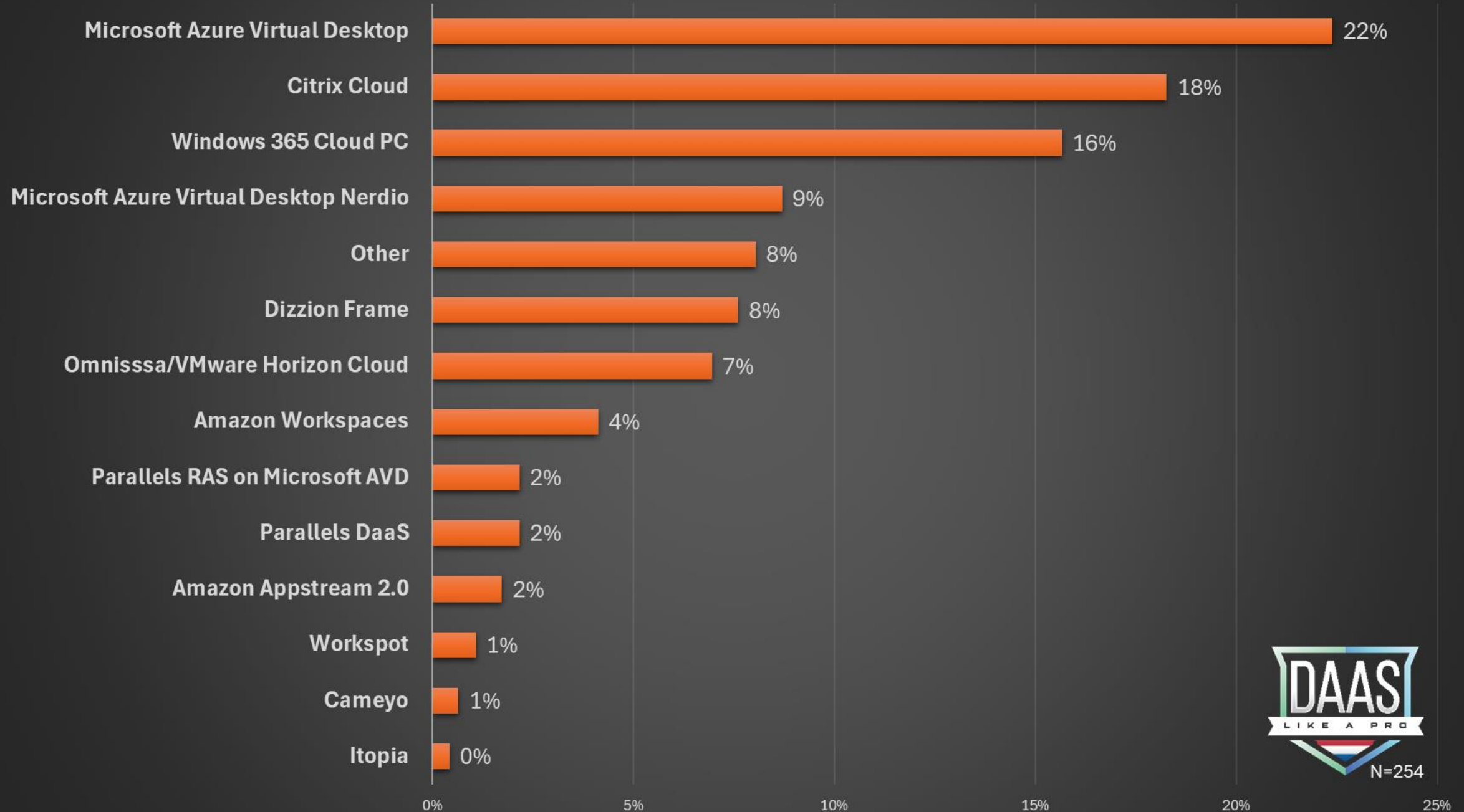
Over the next 1 to 3 years, how do you anticipate your organization's
usage of Desktop as a Service (DaaS) will change?



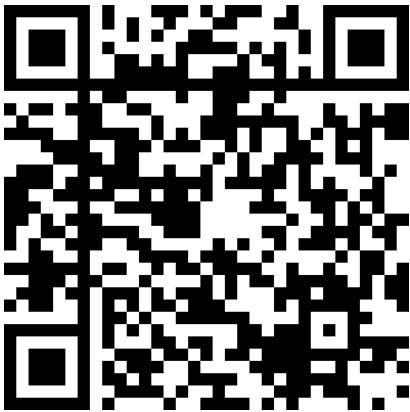
Do you anticipate migrating workloads from the cloud back to on-premises infrastructure, currently or in the future?



Which DaaS solution(s) are you using or will you introduce? Select all that apply.



GARTNER MAGIC QUADRANT FOR DAAS





www.DaaSLikeaPro.com







#DAASLIKEAPRO

Passionate about End User Computing, VDI, DaaS and Cloud PC

2024-2025 SURVEY NOW OPEN!

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Pillar 3 : Device and Operation System Management

Subpillar	Digital Employee Experience (DEX)	Unified Endpoint Management	User Environment Management
Purposes & Benefits	<p>Digital employee experience provides insights on how end-users perceive application and workspace performance. A good digital employee experience helps employees be more productive and satisfied with their jobs, as it minimizes frustrations related to technology and enables them to focus more on their actual work tasks.</p> <p>DEX monitors and provides operation insights to IT on how users interact and use the applications, physical and virtual environments, network, infrastructure, and cloud services.</p> <p>DEX is the transformation from IT-centric monitoring to user-centric measuring, analytics, and monitoring their perceived performance. With DEX, it is possible to predict the problem before IT (and the end-user) sees it, leading to increased productivity and satisfaction.</p>	<p>Unified endpoint management is software or service that IT teams use to manage endpoints from a single platform and interface. This makes it easier to deploy software, enforce security policies, and update systems. It reduces the complexity and costs of managing various devices, including PCs & mobile devices, spatial computing, and Internet of Things (IoT), while enhancing its security posture with the ability to remotely wipe data from lost or stolen devices and enforce security policies, like password protection and encryption.</p>	<p>User environment management is a Windows software that allows IT administrators to manage the users Workspace. These solutions are capable to manage, secure, containerize, and personalize Windows operating systems and application settings across physical and virtual desktops and applications. It helps deliver a consistent user experience, no matter where or how they access their desktops and applications.</p>
Main Vendors	  controlUP nextthink	  vmware Microsoft Intune	  vmware liquidware citrix.

Note: Logo placements do not reflect rankings in any way

Explore the **Future** of EUC

Pillar 3 : Device and Operation System Management

Question:

What are developments in **Device and Operation System & User Management?**

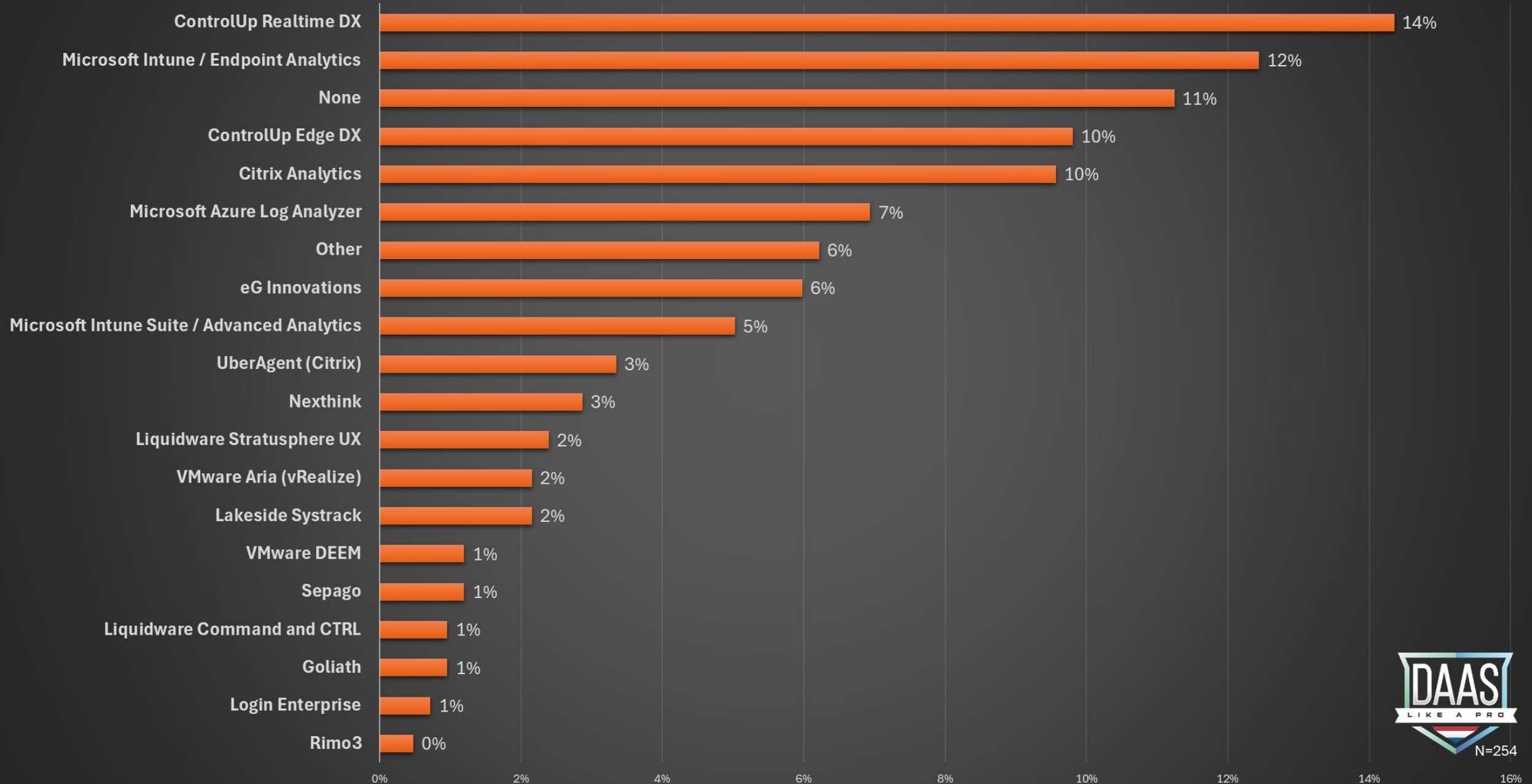
- DEX is on fire
- Unified Endpoint Management
- Unified Environment Management



Gartner MQ for DEX





Which tools or products does your organization currently use to monitor and analyze the digital employee experience (DEX)? Please select all that apply.



Explore the Future of EUC












Pillar 4 : Security

Subpillar	Endpoint Analytics and Protection	Identity and Access Management (IAM)
Purposes & Benefits	<p>Endpoint analytics and protection is all about keeping business physical devices and virtual environments healthy and secure, supporting a productive, efficient, and safe digital workplace. It involves analyzing data from PC & mobile devices and virtual desktop and applications to understand how they are being used, if they are up-to-date from a software perspective, and identifying any issues that might affect user productivity and overall security risks.</p> <p>It also includes software or services that focuses on securing devices from malware, viruses, and cyberattacks ensuring that devices comply with regulatory standards and internal policies by enforcing security measures and monitoring device usage.</p>	<p>IAM is used to manage and secure who has access to the various applications and services within an organization. It ensures that the right people (identity) can access the applications, services, and data they need (access) to do their jobs, and prevents unauthorized users from getting in.</p>
Main Vendors		

Note: Logo placements do not reflect rankings in any way

Explore the Future of EUC













Pillar 4 : Security

Subpillar	Application Delivery Controller (ADC)	Secure Access Service Edge (SASE) and Cloud Access Security Broker (CASB)
Purposes & Benefits	<p>An application delivery controller (ADC) in end-user computing is a network access device that helps manage client connections to web applications and services.</p> <p>It is a crucial component in modern data centers and cloud computing environments. ADCs optimise web and SaaS applications' performance, security, and reliability.</p>	<p>Secure access service edge (SASE) brings together converged network and security services like SD-WAN, SWG, CASB, NGFW, and ZTNA, providing support for branch offices, remote workers, and on-premises needs.</p> <p>SASE is a service that focuses on zero trust access, tied to device or entity identity, real-time context, as well as security and compliance policies.</p> <p>Cloud access security brokers (CASBs) act as security policy enforcement points in an on-premises or cloud-based environment. They are positioned between cloud service consumers and providers to enforce enterprise security policies when cloud-based resources are accessed. CASBs combine various security policy enforcement measures.</p>
Main Vendors	   Progress  Kemp  netScaler	 CATO  CISCO   FORTINET  paloalto  zscaler

Note: Logo placements do not reflect rankings in any way

Explore the **Future** of EUC





















Pillar 5 : Application Readiness, Compatibility and Management

Subpillar	App Compatibility and Packaging	App Configuration and Assets Management	App Layering and Streaming
Purposes & Benefits	<p>Application compatibility, readiness, and packaging ensure that Windows applications are not only able to run on the physical and virtual desktop and application environments, but are also secure, compliant with organizational policies, and packaged in a way that simplifies deployment and management. This is essential in EUC environments where a diverse array of devices and operating systems are in use, and where ensuring a consistent and efficient user experience across all applications is key to productivity.</p>	<p>Application configuration and asset management are two important solutions for optimizing the use of applications and managing the physical PC and mobile device and virtual desktops and applications within an organization.</p> <p>Application configuration is setting up applications according to specific requirements and preferences to ensure they work effectively for end-users. It includes customizing OS and applications settings, defining user permissions, integrating apps with other systems, and ensuring the applications meet security standards.</p> <p>Assets management refers to the process and software capable of tracking and managing all the end-user computing assets of an organization, which can include physical hardware (like PCs & mobile devices), applications (such as licenses and subscriptions), and digital assets (data, intellectual property, etc.).</p>	<p>Application layering, isolation, and streaming are techniques used to containerize, manage, and deliver Windows applications to a user's physical and virtual desktop and applications in a flexible, efficient manner. It involves separating Windows applications from the underlying operating system on which they run. The Windows application is packaged into a "container or layer" that can be attached or streamed on-demand to an operating system, without needing to be installed in the traditional sense.</p> <p>Application layering, isolation, and streaming offer benefits in terms of flexibility, efficiency, and manageability of Windows applications within an organization, particularly in environments where there are many users with diverse application needs and configurations, such as virtual desktop infrastructures (VDI), Desktop as a Service (DaaS), or Bring Your Own Device scenarios. These solutions can help reduce IT complexity and lower costs associated with application deployment and maintenance.</p>
Main Vendors	 Microsoft  flexera  Rimoz	 Microsoft System Center Configuration Manager  Microsoft Intune  LIQUT  nextthink	 numecent  citrix  Microsoft  liquidware  vmware

Note: Logo placements do not reflect rankings in any way

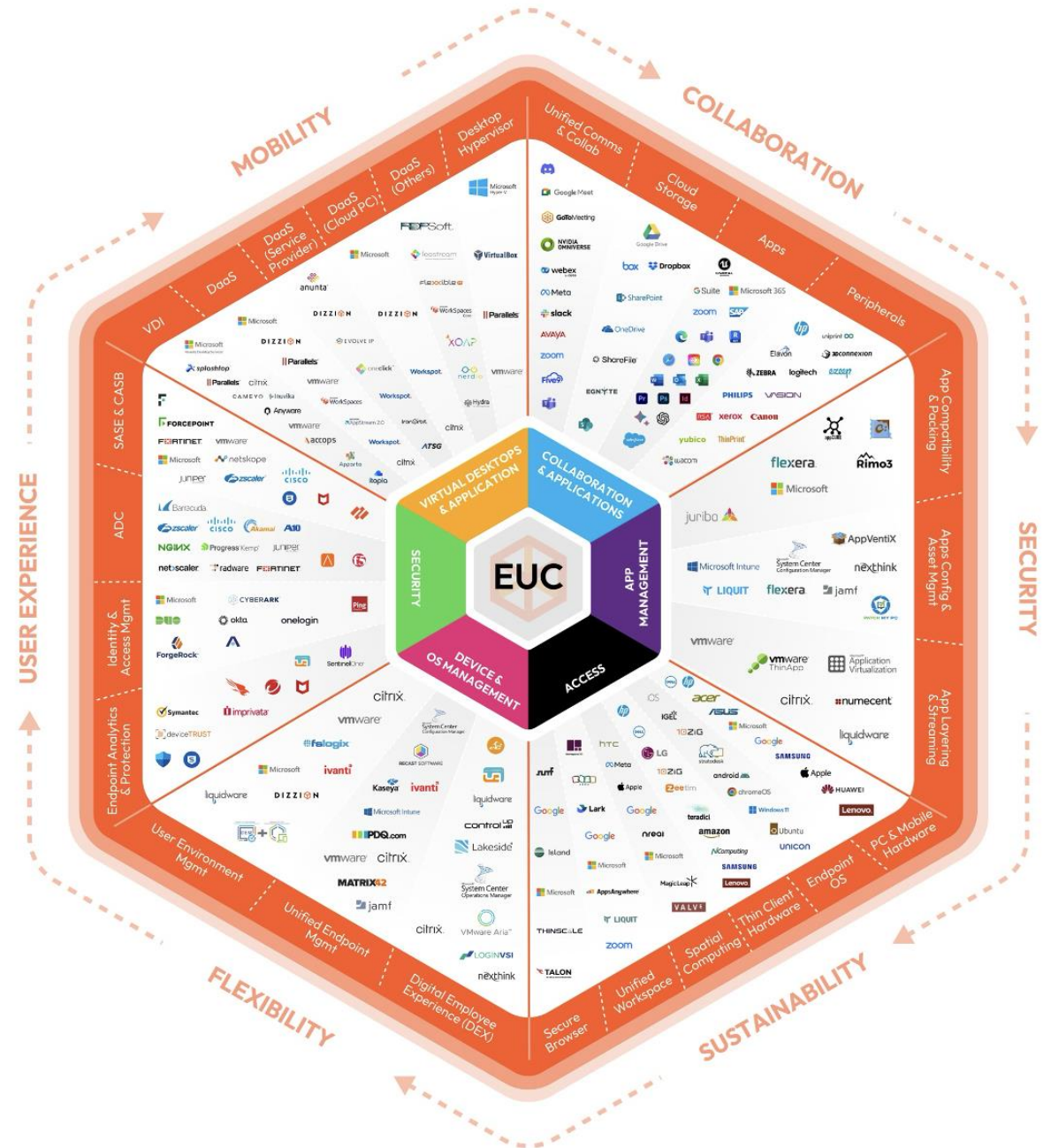
Explore the **Future** of EUC

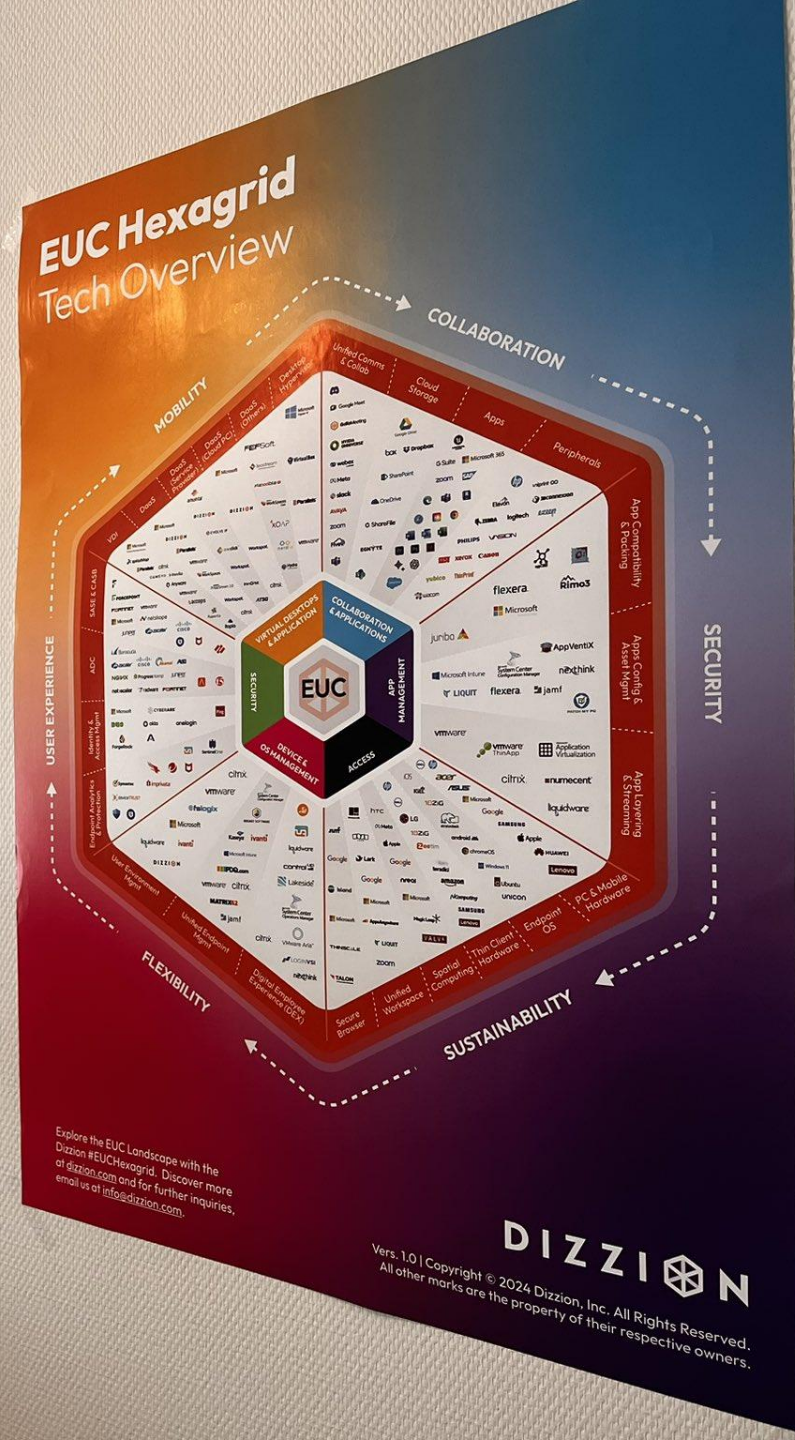
Pillar 6 : Collaboration and Applications

Subpillar	Cloud Storage	Apps	Peripherals	Unified Comms & Collab
Purposes & Benefits	Cloud storage provides a centralized online space where users can store, access, and share data in the cloud rather than using their local computer's hard drive or an organization's on-premises servers. This enables end-users to access their files from any device, anywhere, facilitating collaboration and remote work. Cloud storage elevates data protection through redundancy and backup capabilities, ensuring data is safe from hardware failures and is easily recoverable.	Applications are the tools, services, and software that enable end-users to work effectively, perform specific tasks and functions directly related to their roles and responsibilities within an organization.	Peripherals are external devices that connect to PCs and virtual desktop and application environments to extend their capabilities or provide additional functionalities. These can include devices like printers, smartcards, specialized keyboards, mice, and scanners for data entry.	Unified communication and collaboration solutions encompass voice and video calling, messaging, email, file sharing, real-time collaborative and unified workspaces, allowing employees to communicate and collaborate seamlessly, regardless of their location or the device they use. These solutions ensure that information flows smoothly across the organization, enabling teams to communicate and work more efficiently and effectively together.
Main Vendors	   	     	    	    

Note: Logo placements do not reflect rankings in any way

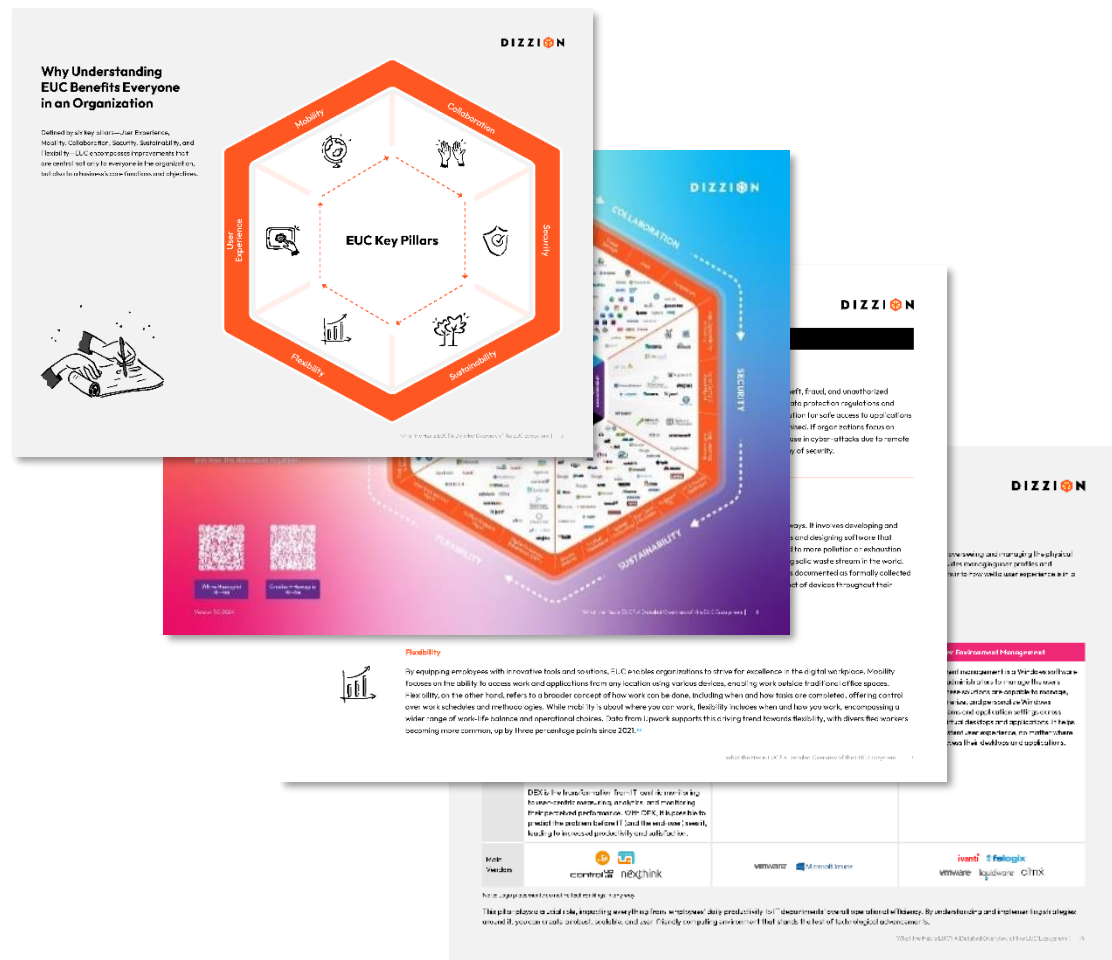
What the **Hex** is EUC







FOLLOW ALONG!




Whitepaper



Infographic

FROM INFRASTRUCTURE
TO DEX

A desk setup with a computer monitor, keyboard, mouse, mug, and candle. The monitor displays a web browser with a grid of purple-themed images. The text is overlaid on the monitor.

Gartner defines DEX as a strategy
that focuses on employees, their
experience, and their use of
technology



Play

1:29

1x



LET'S TALK ABOUT WINDOWS



Gaming platform



Media and
entertainment center



Information search and
storage hub



Digital workspace for business
apps

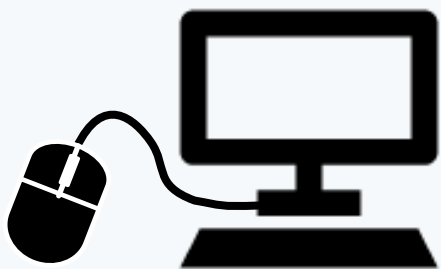


The first version of DirectX was released in September 1995 as the Windows Game SDK

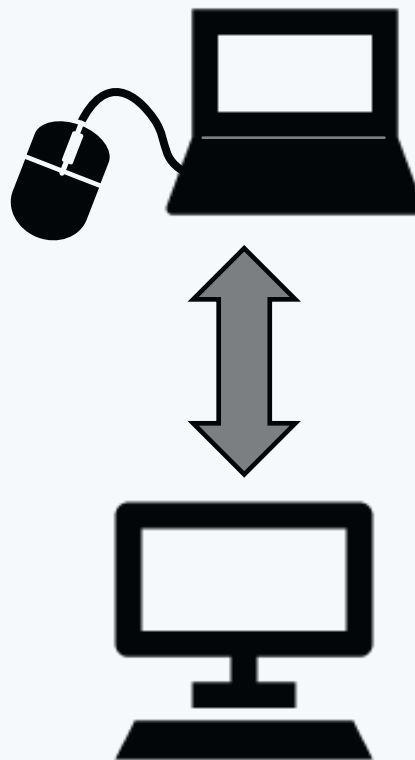
WINDOWS IS THE FOUNDATION WITH STANDARD INTERFACES



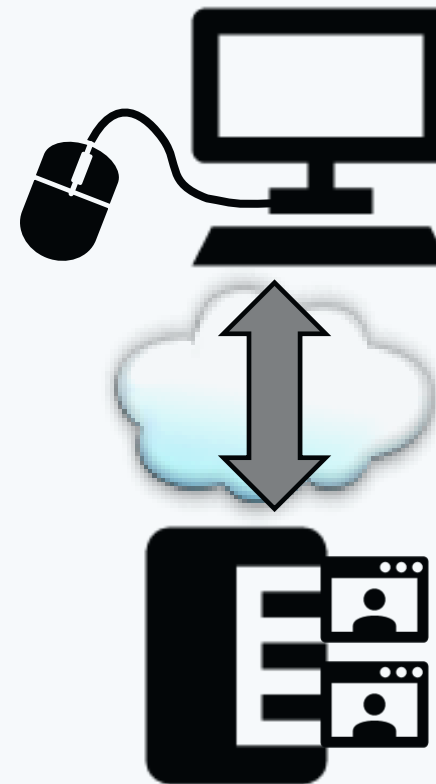
On-Prem Windows

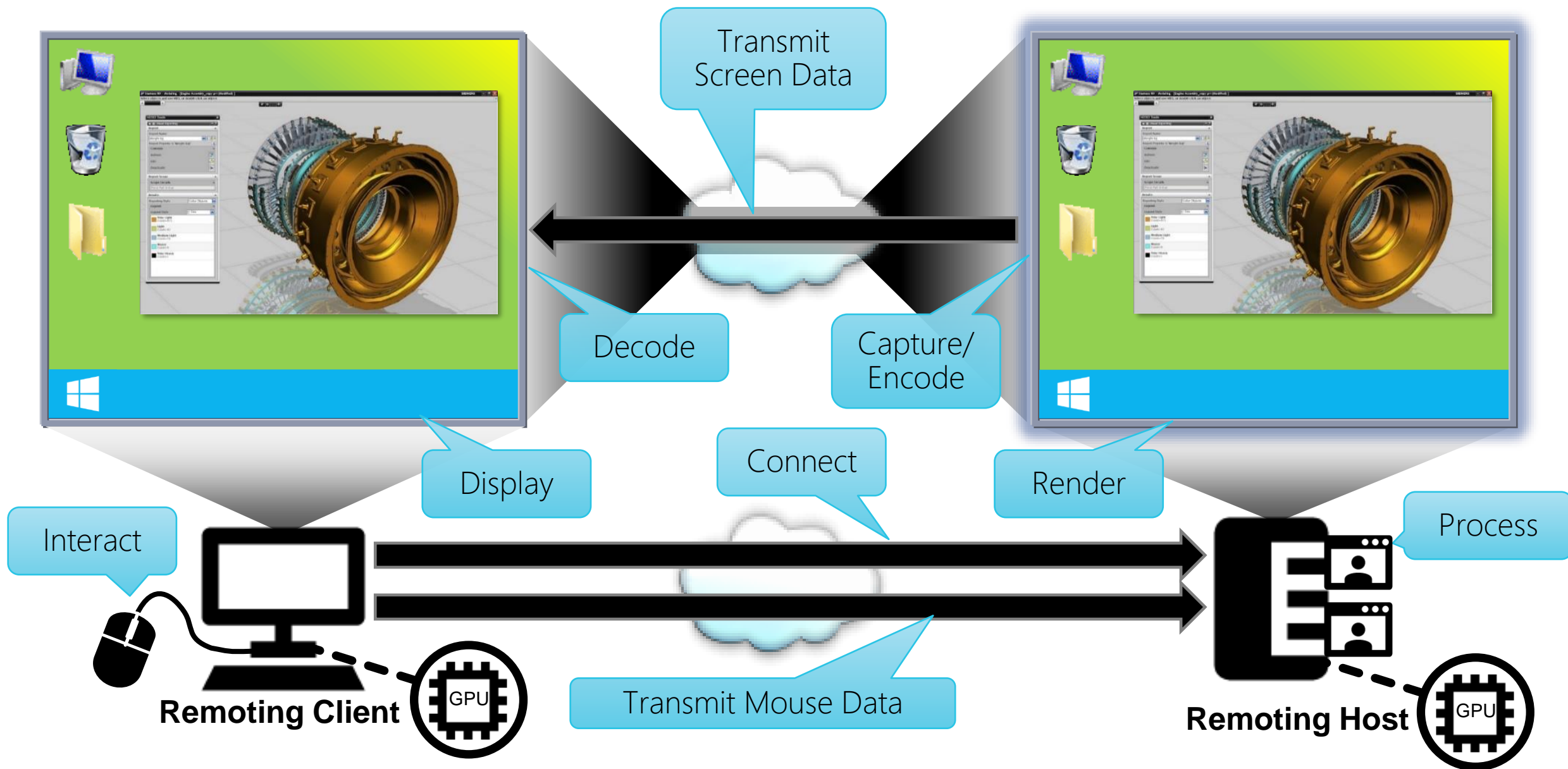


VDI / RDSH on LAN



AVD / Win365





SCIENCE OF EUC: HUMAN TIMINGS

Nervous System

- Speed of nerve impulse is 120 meters per second
- Human response time is 150-300ms (varies with age)
- Equals to 15,000 – 30,000 km of fiber cables

Visual System

- 24 to 30 frames per second are required for video or motion
- Most desktop monitors' refresh rate is 60 Hz (=16ms)
- The brain can process visual data from a single image in 13ms
- Flicker up to 500 Hz

Auditory System

- Range of human hearing is 20 to 20,000 Hz
- Decibel (dB) measures the force of the sound wave (0-120dB, log.)
- Minimal time interval between two sounds is 3-30ms
- Interaural: 10-20 μ s

MEASURE RESPONSE TIMES

0.1 second

- System is reacting instantaneously
- No special feedback is necessary except to display the result
- Limit for users feeling that they are directly manipulating objects in the UI

1.0 second

- User's flow of thought stays uninterrupted, even though the user will notice the delay
- Normally, no special UI feedback is necessary
- Limit for users feeling that they are freely navigating the command space

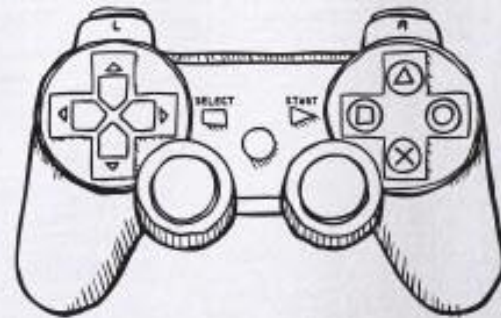
10 seconds

- Limit for users keeping their attention on the task
- User should be given feedback indicating when the computer expects to be done

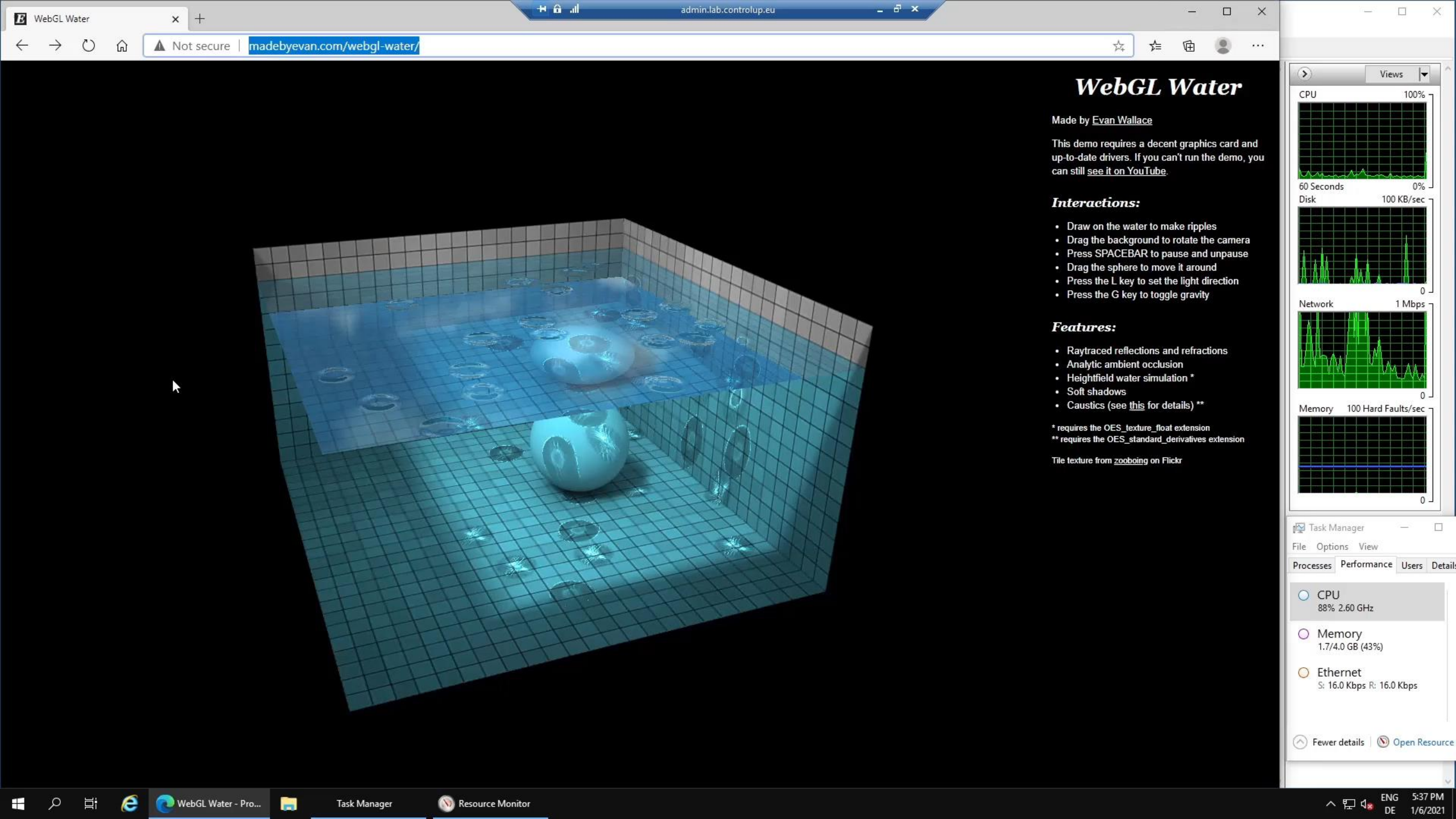
VIDEO GAMES

DON'T MAKE

US VIOLENT



LAG DOES



WebGL Water

Made by [Evan Wallace](#)

This demo requires a decent graphics card and up-to-date drivers. If you can't run the demo, you can still [see it on YouTube](#).

Interactions:

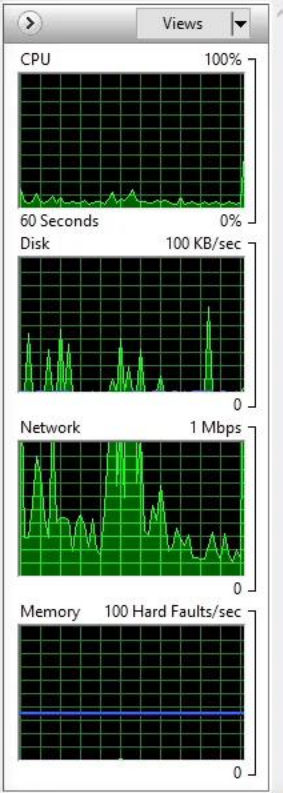
- Draw on the water to make ripples
- Drag the background to rotate the camera
- Press SPACEBAR to pause and unpause
- Drag the sphere to move it around
- Press the L key to set the light direction
- Press the G key to toggle gravity

Features:

- Raytraced reflections and refractions
- Analytic ambient occlusion
- Heightfield water simulation *
- Soft shadows
- Caustics (see [this](#) for details) **

* requires the OES_texture_float extension
** requires the OES_standard_derivatives extension

Tile texture from [zoobooing](#) on Flickr



Task Manager

File Options View

Processes Performance Users Details

CPU
88% 2.60 GHz

Memory
1.7/4.0 GB (43%)

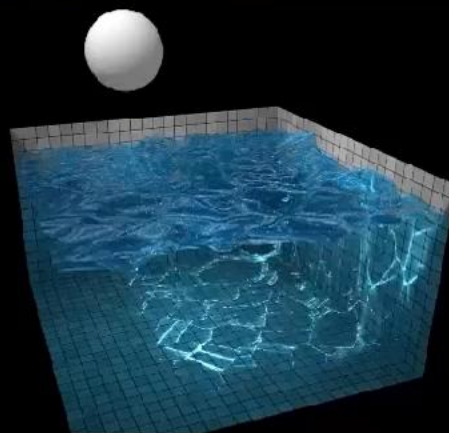
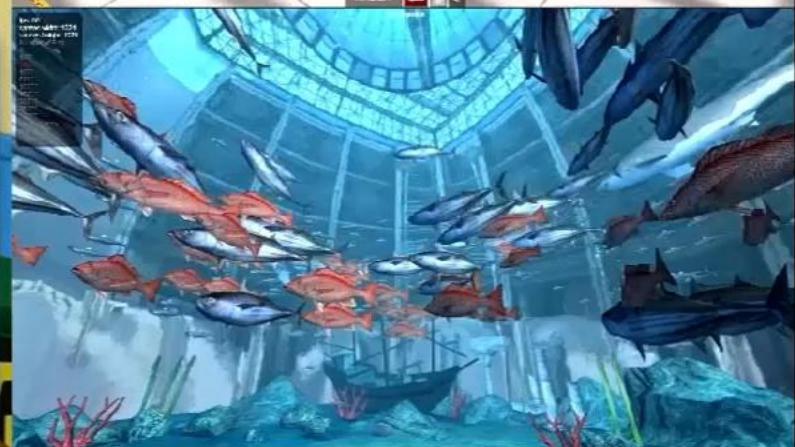
Ethernet
S: 16.0 Kbps R: 16.0 Kbps

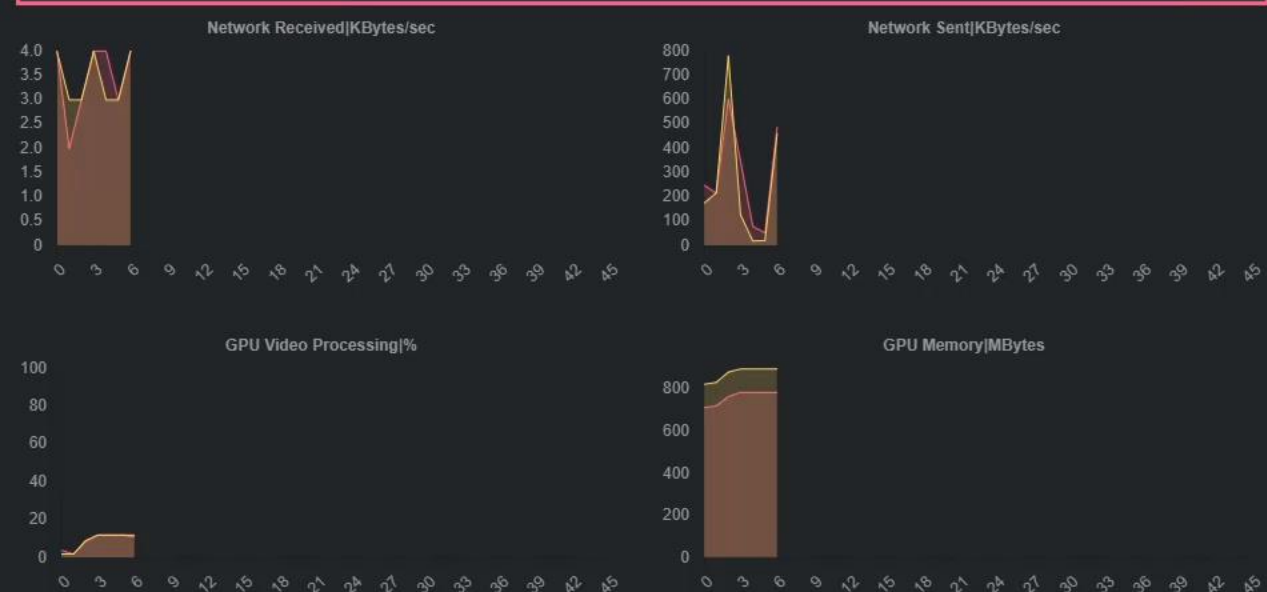
[Fewer details](#) | [Open Resource](#)

558

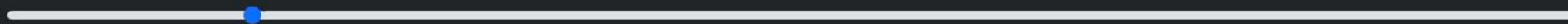
EUC

Score





00:00:07



00:00:45

Help

Report



EUC

“Admin Experience”

Hard Metrics













DEX

“User Experience”

Soft Metrics

WINDOWS DESKTOP QUALITY CRITERIA

	Boot and logon duration	Measure boot time + logon time + user session load time until it is ready for user interaction. This includes identity management and authentication methods.
	Application and content load time	Measure time from user starting an application until the content appears and the application is ready for user input, including access to the storage system.
	User input delay (“Lag”)	Measures responsiveness of graphical elements after user-initiated triggers = “time from mouse click to screen update” (lag, latency, system response time).
	Graphics APIs supported	Detect incompatibilities when running graphics applications using the DirectX, OpenGL, Vulkan and WebGL APIs.
	Media formats supported	Detect incompatibilities when opening media files, such as MP4, MPEG, MOV, WMV or AVI.
	Distortion of media	Measure media and screen output quality. Detect image, animation, and audio/video compression and decompression artifacts and anomalies.
	Screen refresh rate	Measure the number of times per second that the desktop or application can draw consecutive images on the screen and in the host frame buffer (frames per sec = fps).
	Endpoint specs and quality	Determine the screens’ number of pixels, density, and visual dimensions – frame buffer requirements grow with resolution and screen number. Detect periphery incompatibilities.
	Application reliability and stability	Detect application hangs, freezes, crashes or unhandled exceptions. Measure consistency, dependability and robustness of applications.
	Session consistency and resilience	Check if user state is preserved across subsequent sessions. Measure session disruptions, hangs, disconnects/reconnects, availability, timeouts and redundancy.

USER EXPERIENCE BENCHMARKING

EUC Score



Simulated
Workloads



Telemetry
Data



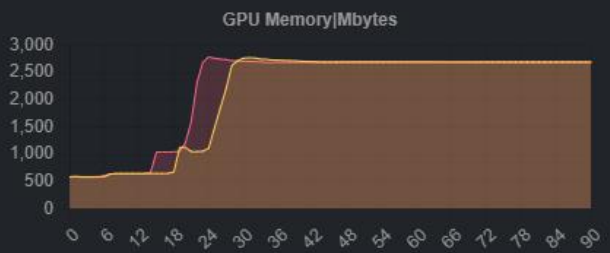
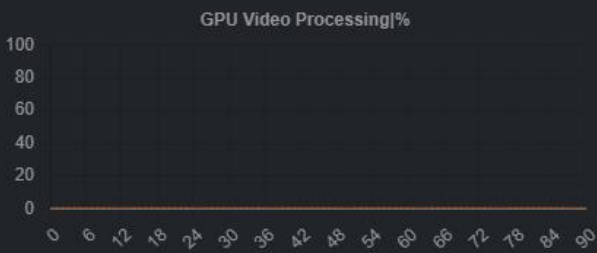
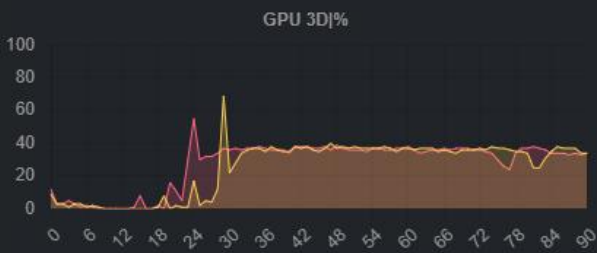
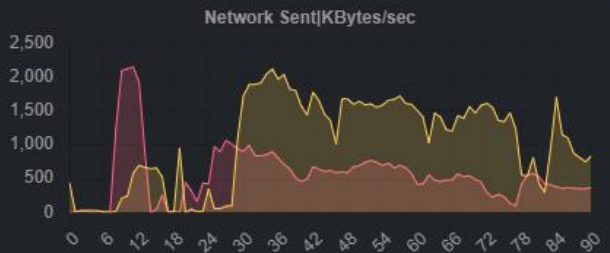
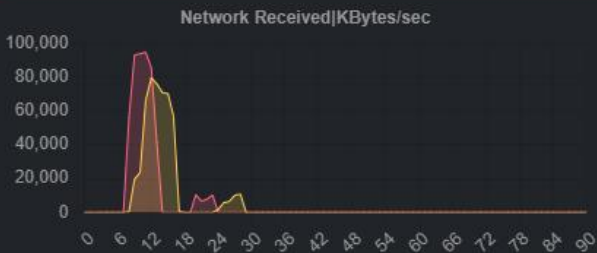
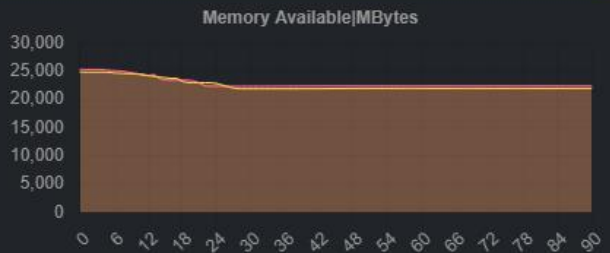
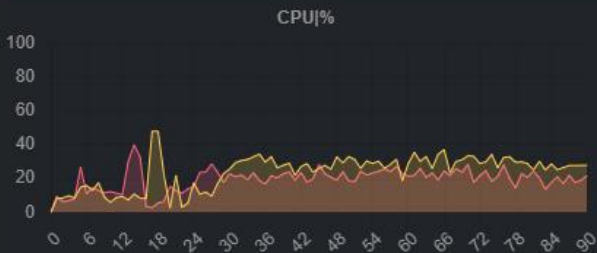
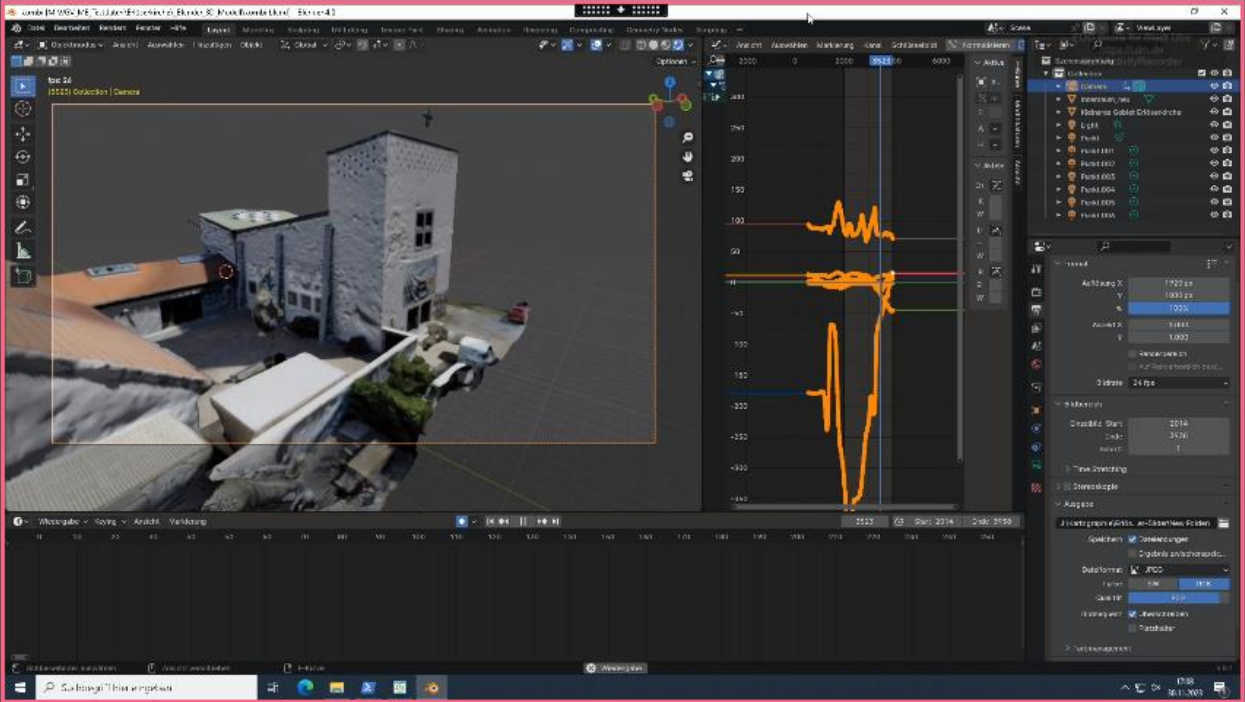
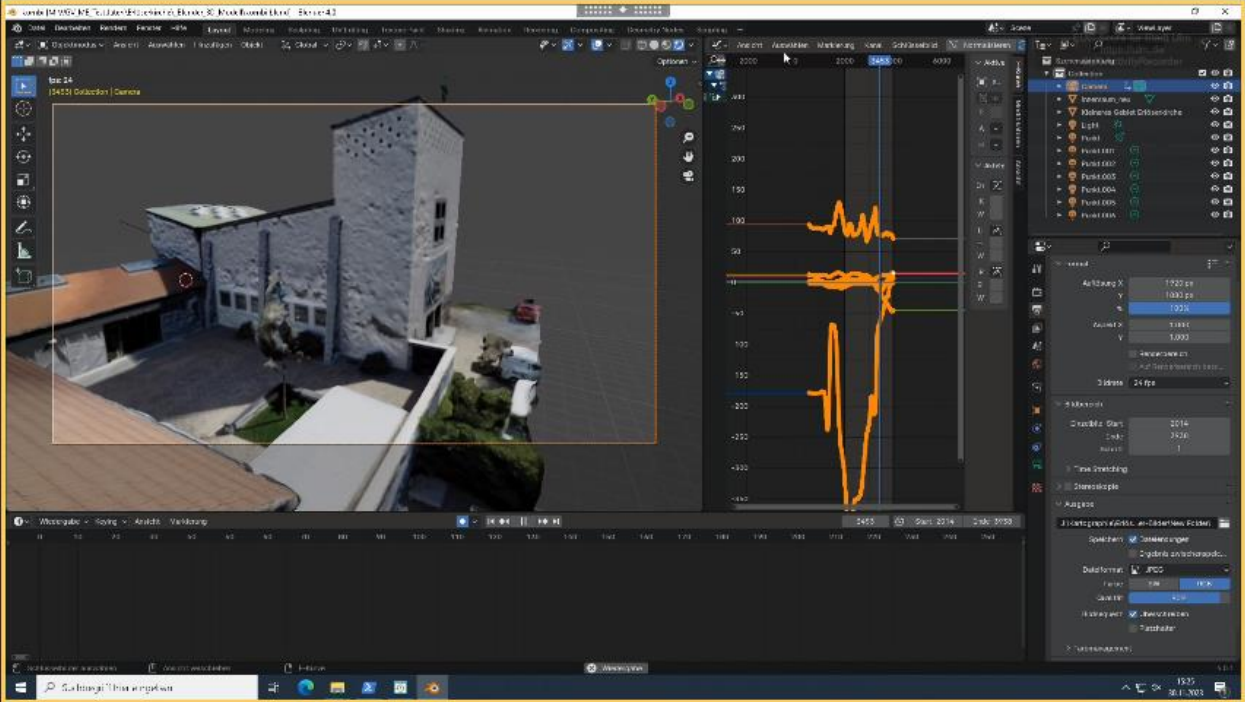
User
Activities



Screen
Recording



Community Toolset



REMOTING PROTOCOL IMPROVEMENTS

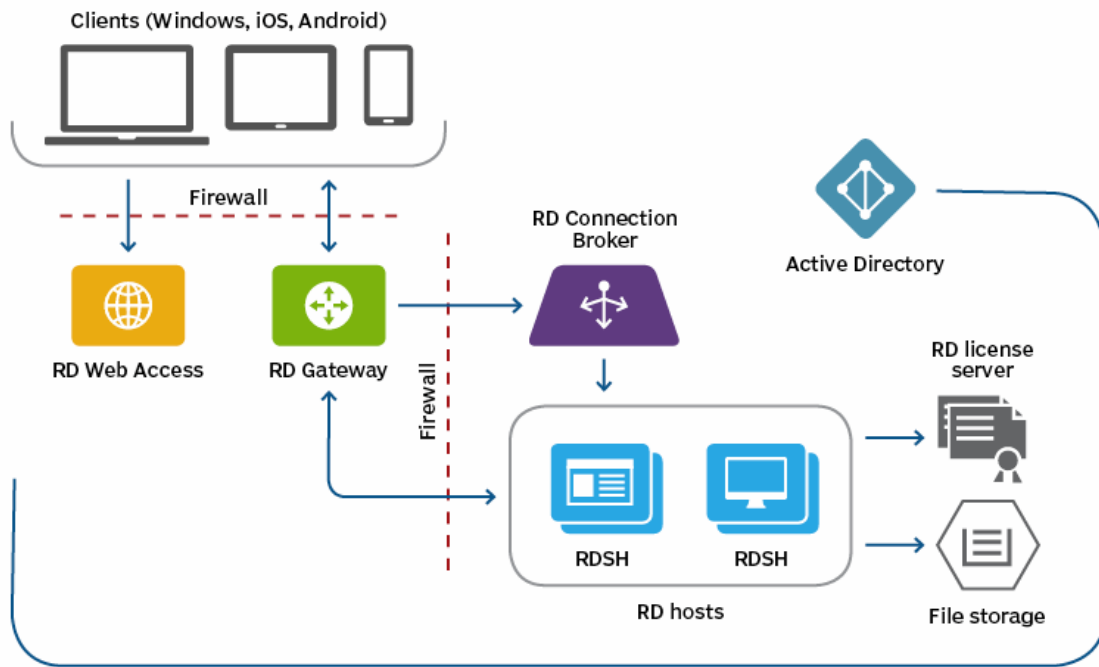
- Self-adaptive when network conditions change
- Reduced impact of latency and packet loss
- Advanced caching
- Modern video codecs
- UDP-enabled
- GPU-enabled on sender and on receiver side
- Allowing reverse connect

Relevant Protocols on Azure

- Microsoft RDP
- Microsoft RDP SxS
- Citrix ICA/HDX
- Dizzion Frame FRP
- VMware Blast
- HP PCoIP

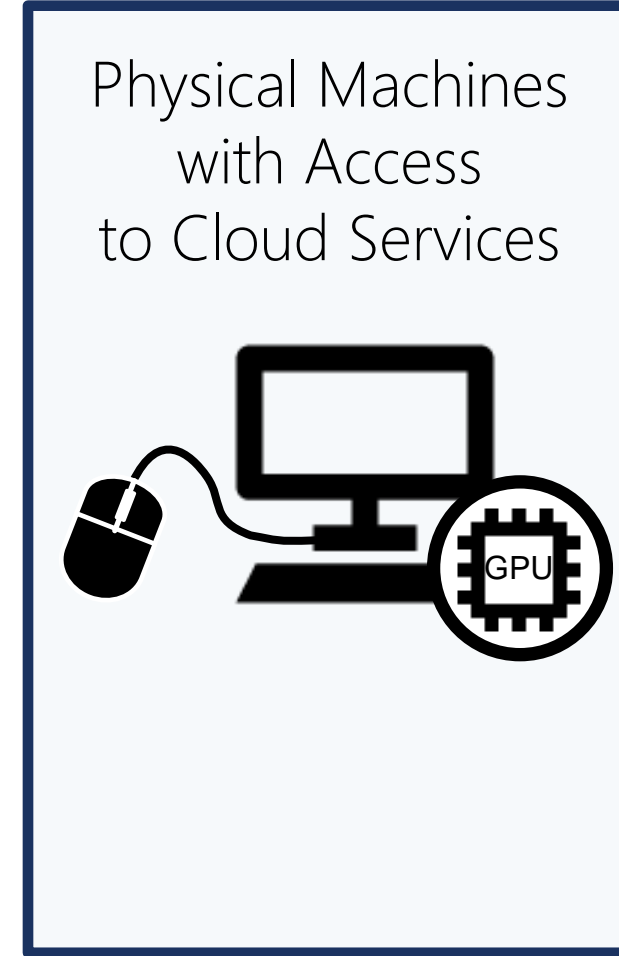
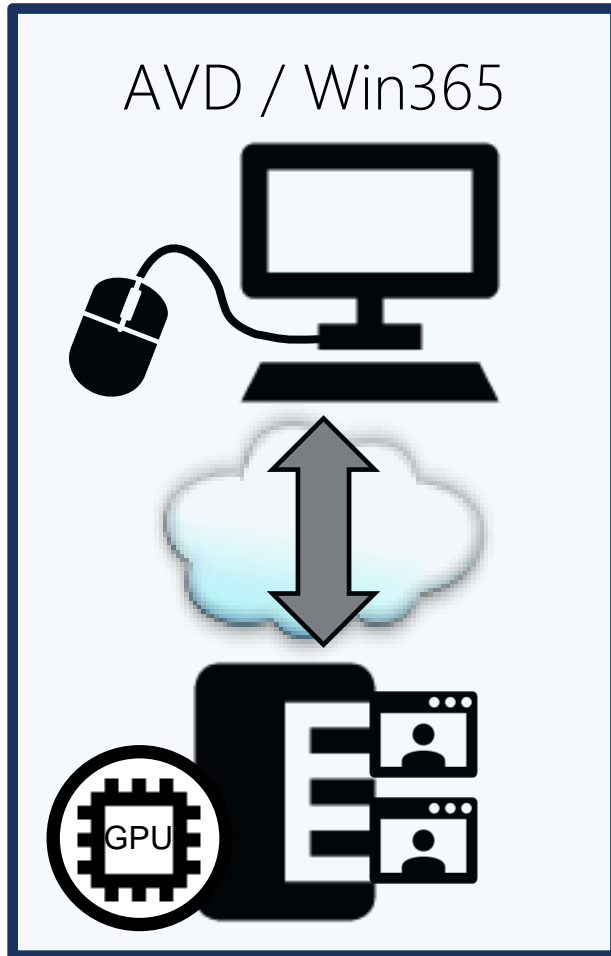
TREND

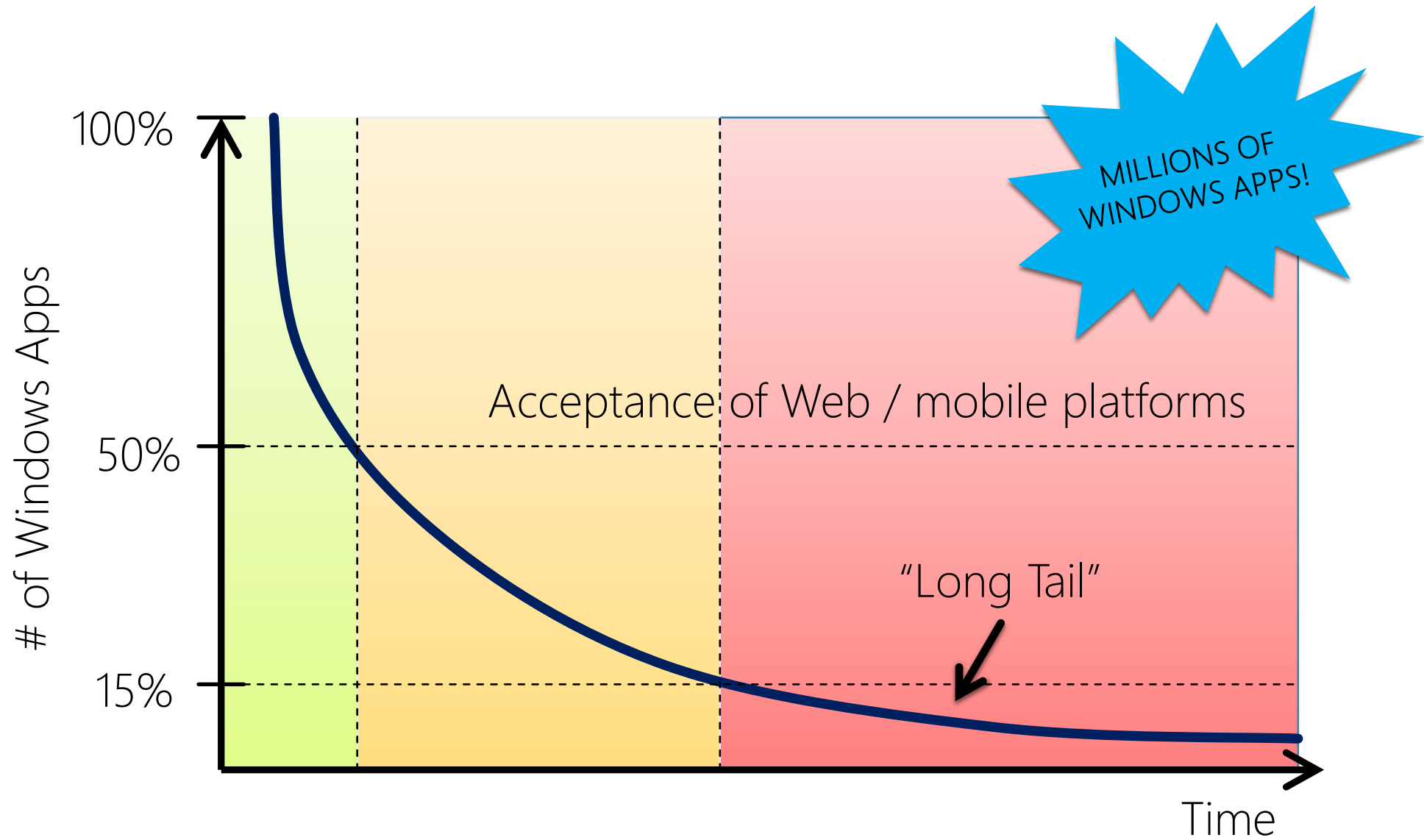
Shift from Infrastructure to Perceived User Experience (DEX4DaaS)



POTENTIAL TREND

The Pendulum May Swing Back to Physical PCs





SUMMARY

- ✓ What the Hex is happening in EUC?
- ✓ Shift from EUC infrastructure to DEX



THANK YOU!



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