



**DESKTOP-AS-A-SERVICE
(DAAS)** PLATFORM FOR
MANAGING, SECURING, AND
MODERNIZING THE DELIVERY OF
CLOUD-ENABLED WORKSPACES

The impact of the pandemic has catalyzed the pace of digitization manifold. Almost every industry is adopting ways to digitize their processes, extend their boundaries into a hybrid & multi-cloud environment, and reduce management overhead. This has eventually created a demand in the global desktop virtualization market as **Desktop-as-a-Service (DaaS)** can accelerate the data workloads, reduce time-to-insights, and increase the reliability & integrity of data.

According to Allied Market Research, by 2031, the desktop virtualization industry is expected to grow by \$28.3 billion with a compound annual growth rate of 9.5%.

If you are still skeptical about how DaaS works. This white paper provides a detailed view of how DaaS can simplify the workload of your IT Team for deploying and managing your virtual desktop.

UNDERSTANDING THE CONCEPT OF **DESKTOP-AS-A-SERVICE (DaaS)**

Desktop-as-a-service (DaaS) is a cloud-based subscription offering that securely delivers virtual apps and desktop from the cloud to the end-user. Using DaaS you can securely deploy SaaS and legacy applications, as well as fully customized Windows-based virtual desktops. With the benefit of pay-as-you-go subscription model, it enables you to scale up or down on-demand and reduces the burden of IT teams when it comes to managing desktop. It typically includes maintenance, back-up, updates, and data storage.



WHY YOU NEED TO ADOPT DAAS SOLUTION?

With the growing number of remote and hybrid workforce, DaaS is the ideal solution that brings flexibility and availability to your environment by supporting your organization with the following benefits:

01

REDUCES IT COSTS

DaaS is a subscription model, and the number of users and resources determines the price. So, you can subscribe through monthly or annual subscription plans. DaaS can lower capital expenditures and improve operational expense predictability.

02

IMPROVED SECURITY

As DaaS is a virtual service, all the data is stored in a cloud data center and not on an employee's laptop or mobile device to protect from data loss and theft.

03

SUPPORTS BYOD

DaaS can relieve employees from working only on company-issued devices or with a single device and from having physical workplaces. With DaaS, IT departments can implement BYOD policies—allowing workers to use their laptops, tablets, and smartphones more readily.

04

BUSINESS CONTINUITY

Remote access to apps and desktops can be enabled quickly, ensuring that the workforce can remain up and running during natural disasters, pandemics, and other unforeseen events. It is easy to add users, and the organization pays only for its services.

05

INCREASED DEVICE FLEXIBILITY

Sometimes, employees may work on office desktops, laptops, or tablets, so providing access to data on their devices has been a big challenge for organizations. With a DaaS Solution, security and backup risks are eliminated. Maintaining safety, backup, and corporate applications on multiple devices for employees are being used by a few organizations.

06

BETTER RESILIENCE

The least resilient component of any corporate IT infrastructure is typically PCs and laptops. Thus, switching to virtual desktops greatly enhances resilience. If an employees hard drive crashes without DaaS, they can be decommissioned for hours while a replacement machine is commissioned and set up from a backup. With DaaS, the employee can go back into their virtual desktop from any available device and continue working while their old machine is being fixed or replaced. Since no vital data is saved locally, if a virus or ransomware infects a user's computer, it can easily be wiped clean and rebuilt.

HOW DOES DAAS WORKS?



The technical back-end work like data storage, system backup, security, and system upgrades are handled by a DaaS provider. The DaaS service provider oversees payments for all back-end infrastructure costs and performs all maintenance tasks. Additionally, the users avoid up-front operational fees. With the help of this model, businesses can manage their virtual desktops without worrying about the upkeep and security of the network's data storage. When a user logs off the system, their data is securely saved on the cloud.

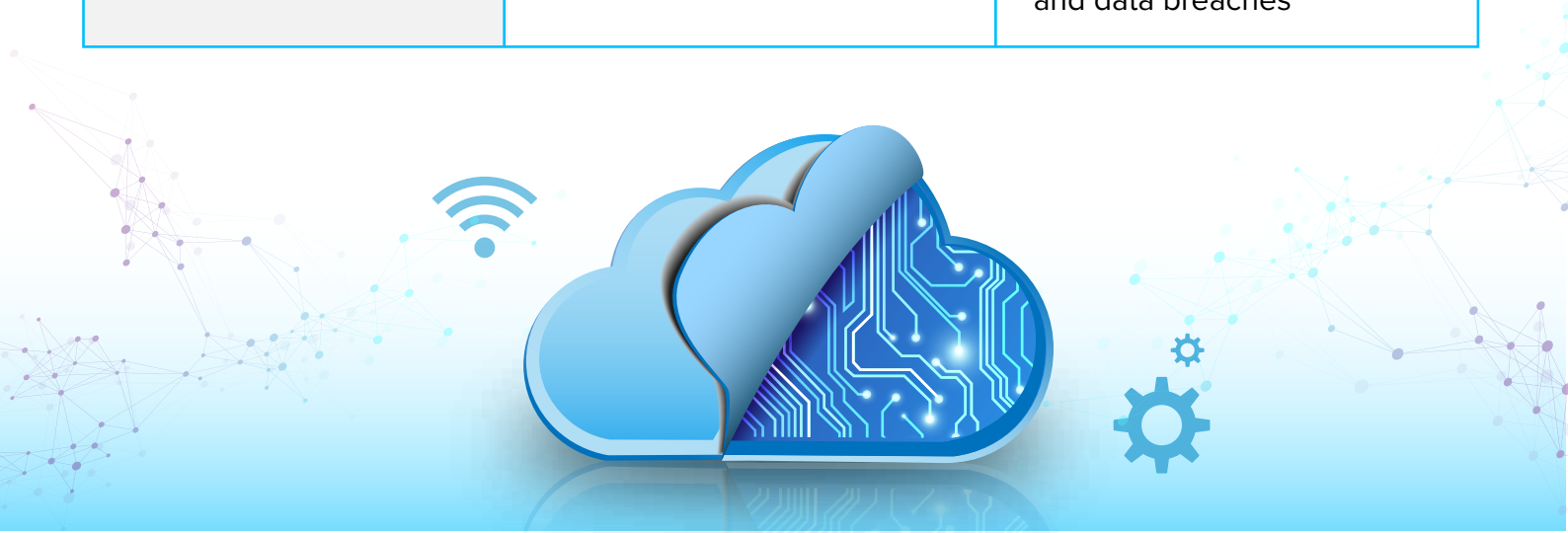
Users always have access to their data while using virtual desktops, regardless of the device they are using or where they are located. This infrastructure has already been utilized by numerous international IT and financial companies. Thanks to the plethora of features it is packed with, DaaS infrastructure is among the most dependable environments you can imagine for your business.

VDI VS DAAS



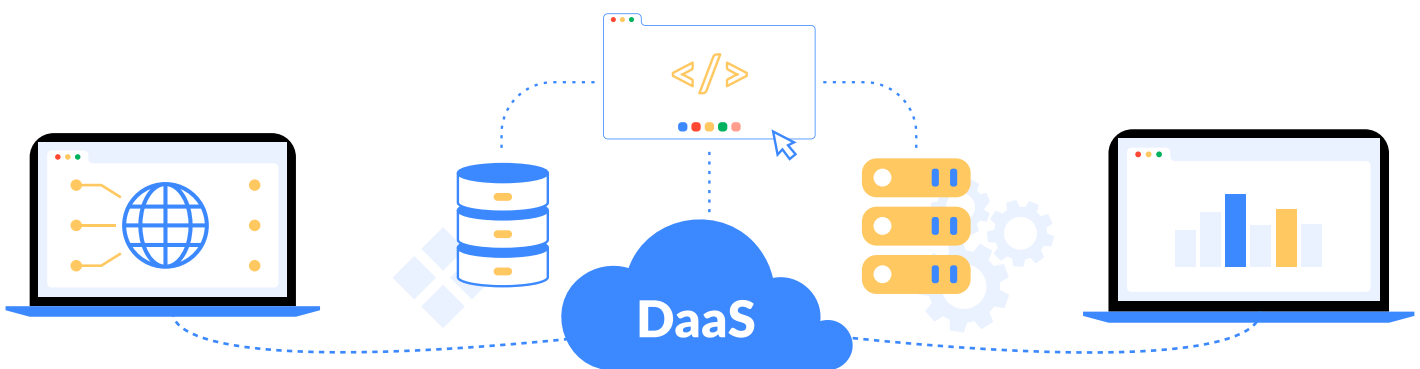
DEPLOYMENTS	VDI	DAAS
Model	VDI is based on single-tenant model	DaaS services are based on multi-tenant model
Platform	VDI deployment is mostly on-premises	DaaS deployment are on cloud through external cloud service providers

DEPLOYMENTS	VDI	DAAS
Cost	VDI deployment requires significant capital expenses (CapEx) & also needs additional investments on upgrading servers and data centers	Very minimal or no (CapEx) is required. Investment is based on subscription and provides flexibility in terms of scaling operations
Control	Being a single-tenant architecture, it can have full control over the infrastructure, configuration, and data	Since it is a multi-tenant and hosted on external server (cloud provider), the service providers have control over your infrastructure, configuration, and data
Agility & flexibility	It usually needs longer time to set up and is hard to modify as it requires additional resources to scale your services	It requires very minimal time to setup since you have the infrastructure and platform ready. You need to just extend or upgrade your license based on the requirement
Performance	Businesses IT team must be proactive for VDI to be at peak performance Internet connectivity is not always necessary when onsite	High quality and reliable performance can be expected of cloud providers Internet connectivity is necessary for proper DaaS Performance
Security	Using VDI you can have greater visibility and it is easy to monitor where and who has access to data. Security concern are minimal	Using DaaS you may not have the complete/no visibility into your data hence monitoring is very difficult. Since it is hosted on external network, it is vulnerable to cyber-attacks and data breaches



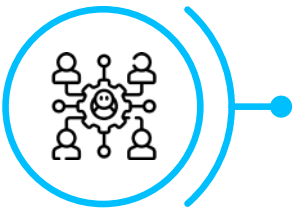
CHOOSING THE RIGHT DaaS PARTNER

Following is the list of attributes that you need to check before choosing your DaaS Partner:



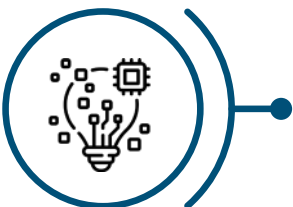
SEAMLESS INTERFACE

Your DaaS partner should provide an intuitive, easy-to-use interface that effectively supports remote and hybrid work modes.



CENTRAL MANAGEMENT

Your DaaS Partner must be efficient in managing operating systems, software, applications, troubleshooting and data to optimize employees' efficiency.



INTEGRATION OF LEADING COMMUNICATION AND COLLABORATION TOOLS

Your DaaS provider must be capable of supporting employee requirements with seamless integration of tools to maximize productivity.



CONTINUITY ASSURANCE

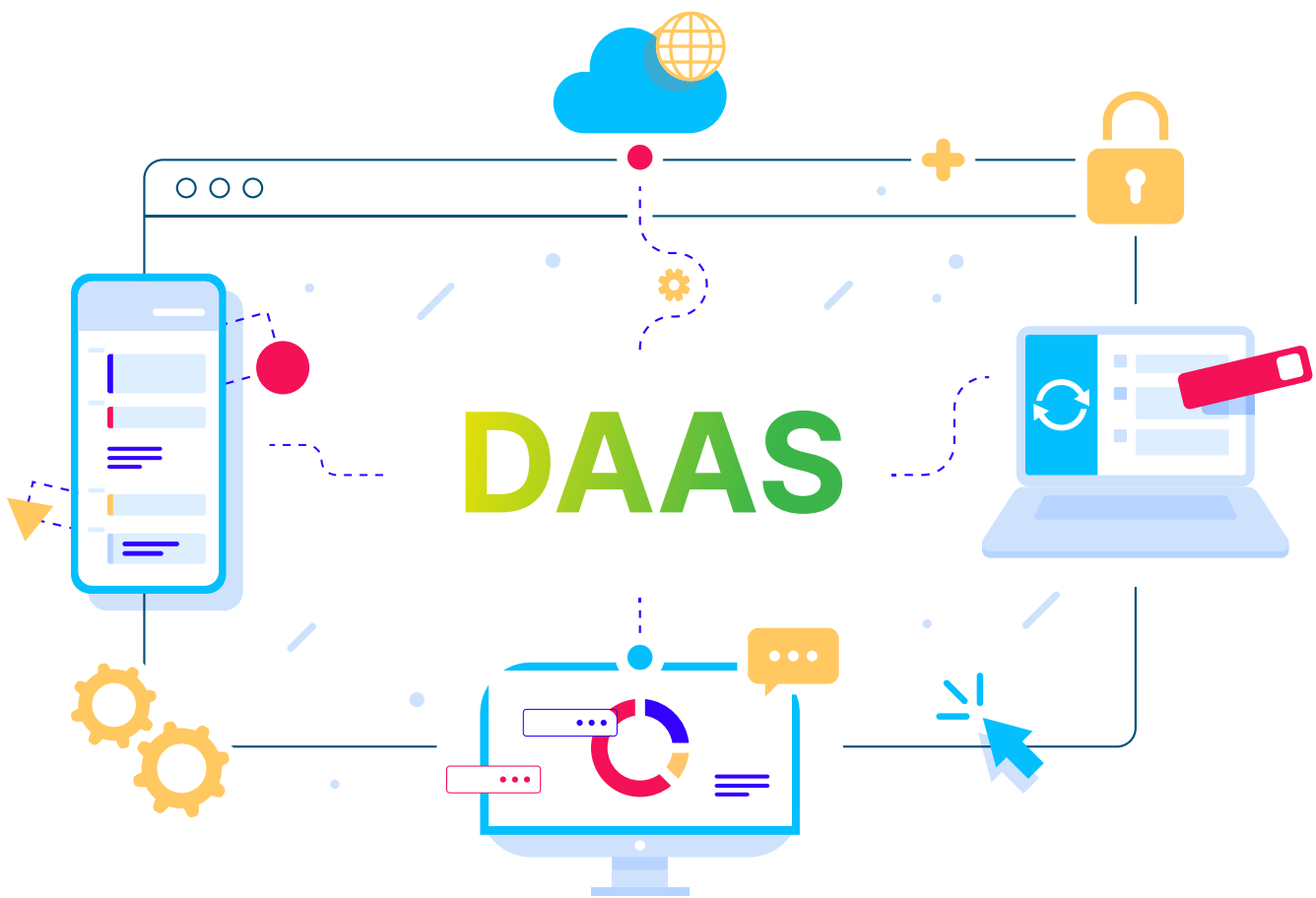
Your DaaS provider must be reliable enough to support users across geos and provide seamless support even during times of unprecedented changes.

MAJOR DAAS PROVIDERS & THEIR FEATURES

DAAS PROVIDER	PLATFORM	SUPPORTED OPERATING SYSTEM	KEY FEATURES
AWS Workspaces	AWS Platform	Linux and Windows desktops	Bring your own license options Integrates with Active Directory for user management Available in a range of resource sizes
Microsoft Windows Virtual Desktop	Azure Platform	Windows 7 and above	Provides extended security and support for legacy Windows 7 customers Can integrate fully with Microsoft 365 Built-in migration tools are available
itopia	Google Cloud Platform (GCP)	All	Support for migrations from VMware or Citrix VDI Built-in tools for optimizing cloud resources and costs Built-in security, including multi-layer authentication and hardware encryption



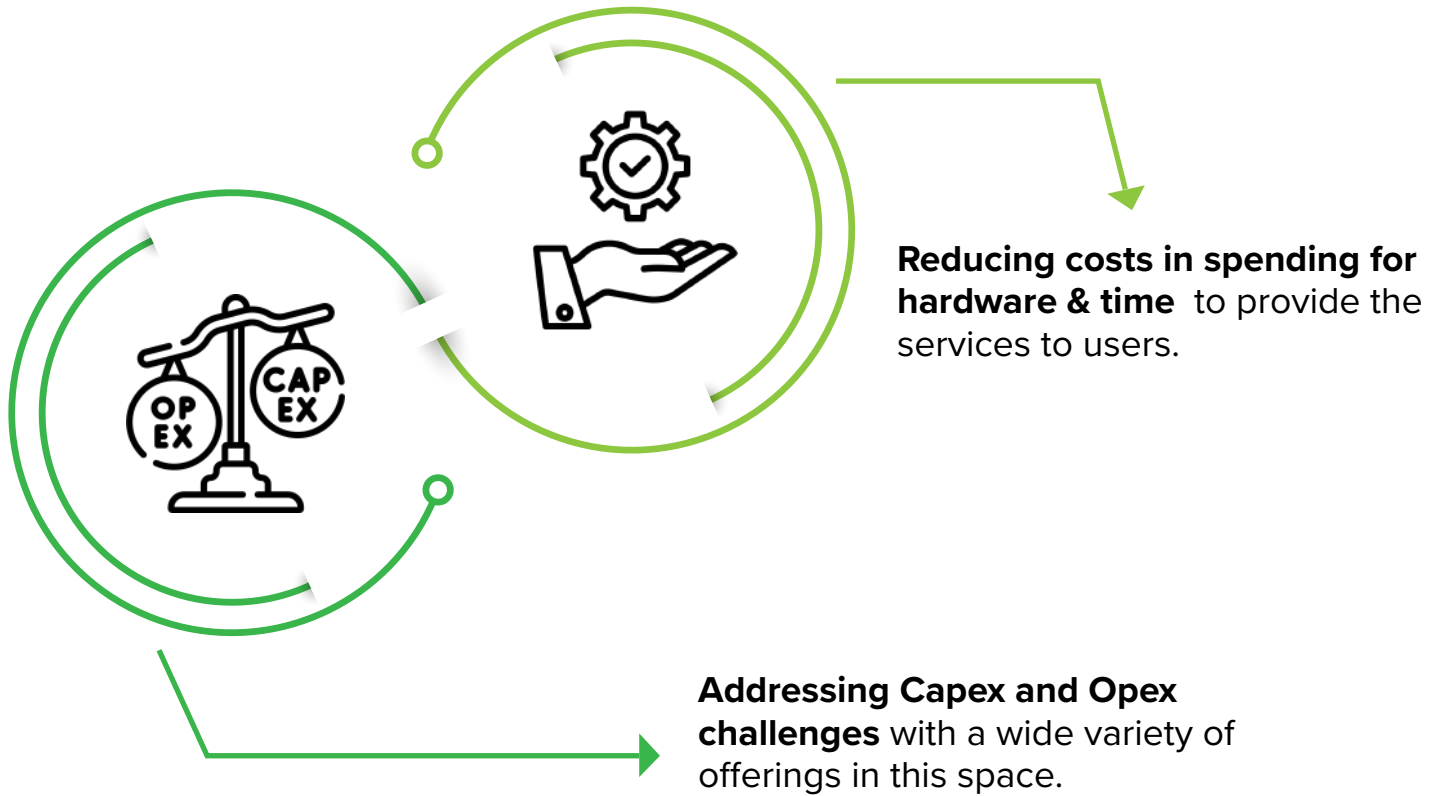
HOW DOES HAPPIEST MINDS TECHNOLOGIES SUPPORT DAAAS?



Being a Microsoft Gold partner, Happiest Minds is well-positioned to offer solutions using disruptive technologies. We have consistently delivered high-quality technology solutions with our proven expertise, capability, and commitment to customers for achieving the best outcomes.

Happiest Minds' Desktop-as-a-Service (DaaS), powered by Microsoft brings in the benefits of agility, flexibility, & ease of use to organizations with the help of Microsoft's modern workplace tools. The platform further helps us deliver seamless user experiences without compromising on security. For organizations looking to optimize their IT assets and cost, DaaS can be your perfect solution to support your hybrid work environment to stay productive regardless of location or device while being secure, scalable, and cost-effective.

HAPPIEST MINDS DAAS CAN BE THE RIGHT PARTNER FOR YOUR ENTERPRISE IN SIMPLIFYING YOUR DEPLOYMENT AND MANAGEMENT OF YOUR VIRTUAL MACHINES BY:





Author Bio

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Vamsi Jakka has over 16+ Years of experience in End User Computing and worked in different roles supporting different technologies in Infrastructure Management Services. He has worked for multiple clients from an End User & Unified Communications perspective. In his previous organization, Vamsi had helped one of the clients in the UK with end-to-end infrastructure setup and support. He has experience in technologies around End User Computing and is responsible for End-to-End delivery w.r.t planning, designing, and implementing the infrastructure core deliverables. The thought process around people, processes, and technology made him stand apart from others.

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About Happiest Minds

Happiest Minds Technologies Limited (NSE: HAPPSTMNDS), a Mindful IT Company, enables **digital transformation** for enterprises and technology providers by delivering seamless customer experiences, business efficiency and actionable insights. We do this by leveraging a spectrum of disruptive technologies such as: **artificial intelligence, blockchain, cloud, digital process automation, internet of things**, robotics/drones, **security, virtual/ augmented reality**, etc. Positioned as 'Born Digital . Born Agile', our capabilities span digital solutions, infrastructure, product engineering and security. We deliver these services across industry sectors such as automotive, BFSI, consumer packaged goods, e-commerce, edutech, engineering R&D, hi-tech, manufacturing, retail and travel/ transportation/ hospitality.

A Great Place to Work-CertifiedTM company, Happiest Minds is headquartered in Bangalore, India with operations in the U.S., UK, Canada, Australia and Middle East.