

Selecting the Right Cloud Desktop Technology

Description	Evolve IP Desktop as a Service (DaaS)	Evolve IP VDI as a Service (VDIaaS)	Citrix XenApp D.I.Y.	VMware Horizon View OR Citrix Xen Desktop D.I.Y.	Microsoft RDS/ RemoteFX D.I.Y.	Amazon AWS Workspaces
Type of Desktop Virtualization	Full Cloud Desktop	Full Cloud Desktop (Hosted on Dedicated Infrastructure)	Application Virtualization	Premise VDI (Virtual Desktop Infrastructure)	Premise VDI (Virtual Desktop Infrastructure)	Full Cloud Desktop
Platform	Powered by VMWare Horizon DaaS	Powered by Dedicated VMware Horizon View	Citrix XenApp	VMware Horizon View OR Citrix XenDesktop	Windows Server 2008/2012	Undisclosed
Protocol	PCoIP, Blast	PCoIP, Blast	HDX-ICA	PCoIP, Blast OR HDX-ICA	Remote Desktop Protocol (RDP)	PCoIP
<20 users	Individual Case Basis	No	Yes – for specific applications	No	Yes	Yes
20 - 50 Users	Yes	No	Yes – for specific applications	No	Yes	Yes
51 – 100 Users	Yes	No	Yes – for specific applications	No	Yes	Yes
100 - 500 Users	Yes	Yes	Yes – for specific applications	300+	Maybe – for specific applications	Yes
500 - 1000 Users	Yes	Yes	Yes – for specific applications	Yes	Not Recommended	Yes
1000+ Users	Yes	Yes	Yes – for specific applications	Yes	Not Recommended	Yes
Buying Model	Monthly Subscription	Initial Setup Fee (Capex) + Monthly Subscription	Purchase (Capex) + Opex (FTE's, maintenance, and support).	Purchase (Capex) + Opex (FTE's, maintenance, and support).	Purchase (Capex) + Opex (FTE's, maintenance, and support).	Monthly Subscription
Total Cost of Ownership Impact	Lower Total Cost of Ownership, no up-front capital, and reduced administration.	Lower Total Cost of Ownership, some up-front capital, and reduced administration.	Medium-to-High licensing, management, and infrastructure costs.	Very High Requires licensing, management, and infrastructure costs.	Medium-to-High Requires licensing, management, and infrastructure costs.	Lower Total Cost of Ownership, no up-front capital. Medium initial and ongoing administrative costs.
End-User Performance	Excellent; Hosted on EMC XtremIO SSD/Flash based SAN. Each Desktop seat is a dedicated dedicated Virtual Machine built for performance and managed and monitored by Evolve IP.	Excellent; Hosted on EMC XtremIO SSD/Flash based SAN. Each Desktop seat is a dedicated Virtual Machine built for performance and managed and monitored by Evolve IP.	Good; can degrade as more users connect to a shared presentation server. Accelerated experience for specific published applications.	Excellent; depends on how infrastructure is managed and resources presented to each desktop.	Good; utilizes inferior remote display protocol. Depends on resource allocation by IT staff.	Good; depends on connectivity to AWS cloud. Latency of AWS workspaces desktop may vary depending on backing disk performance.

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Automation Portal via Single Pane of Glass	Yes (DaaS Portal)	Yes (Dedicated instance of VMware View Administrator Client).	No, unless purchased as 3rd party solution.	No, unless purchased as 3rd party solution.	No, unless purchased as 3rd party solution.	Yes (AWS Workspaces Management Console).
Supports Re-direction to local interfaces	No	Yes	Yes	Yes	In some cases, generally not reliable	No
Dedicated Active Directory DC's and Connection Brokers	Yes	Yes	Yes	Yes	Yes	No
Optional Redundant Data Centers for DR / BC	Yes	Yes	No – Cost prohibitive	No – Cost prohibitive	Maybe – could be costly and require high administrative costs.	Yes
Windows Desktop Operating System licensing included	Yes (Windows 7/8 Experience provided by Windows Server 2008/2012).	Yes Any Microsoft Windows OS	No	No	No	Yes (Windows 7 Experience provided by Windows Server 2008).
Supports Bring-Your-Own-Licensing (Requires Software Assurance)	Yes	Yes	Yes	Yes	Yes	No
Network and Infrastructure Administration Requirements	Low; IT Infrastructure and support are included with service.	Low; IT Infrastructure and support are included with service.	High; entire environment must be managed with internal resources or 3rd party	High; entire environment must be managed with internal resources or 3rd party	High; entire environment must be managed with internal resources or 3rd party	Medium, AWS savvy technical IT resources are required for setup and ongoing support.
Virtual Desktop Administration Requirements	Low; IT administrators manage desktops via RMM agent.	Medium, Customer IT administrator responsible for desktop administration.	Very High; managing shared presentation and licensing servers.	Very High	Very High	Low; IT administrators manage desktops via RMM agent.
Supports local administrator	Yes	Yes	No, application streaming	Yes	Yes	Yes
Single User can impact the performance of many users	No, resources are contained.	No, resources are contained.	Yes, shared presentation servers. Best practices are (20) users per server sharing resources.	No, each user is isolated and is committed resources (depending on deployment decisions).	Yes, shared session host servers. Best practices are (20) user per server sharing resources.	No, resources are contained.
Install applications to your virtual desktop	Yes, either manually or via RMM agent.	Yes, either manually or via RMM agent.	No, applications are built in containers on shared servers.	Yes, administrator can allow local rights.	Yes, administrator can allow local rights.	Yes, either manually or via AWS console.
Supports integration between line-of business applications (doesn't isolate applications)	Yes, desktops are persistent and can communicate with any other system on customer network.	Yes, desktops are persistent and can communicate with any other system on customer network.	Not elegantly; XenApp isolates applications in containers.	Yes	Not elegantly; session virtualization	Yes, desktops are persistent and can communicate with any other system on customer network.
Technical Staff Requirements	Low	High	Very High	Very High	Very High	Medium