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Citrix Virtual Apps and Desktops Service Feature Matrix

Product Component	Citrix Virtual Desktops service	Citrix Virtual Apps and Desktops Standard for Azure	Citrix Virtual Apps Advanced service	Citrix Virtual Apps Premium service	Citrix Virtual Apps and Desktops Advanced service	Citrix Virtual Apps and Desktops Premium service
App and Desktop Delivery						
Deliver Windows and Linux Apps Enable secure access to Windows and Linux apps on any type of device including iOS, Android, Mac and Windows for on-demand access from anywhere. The application performs as if it were installed locally on the device.		●	●	●	●	●
Deliver Multisession Windows and Linux Desktops Deliver multi-user virtual desktops from a Windows/Linux server or desktop OS on-prem or in a public cloud. Including the multi-session Windows 10 Enterprise entitlement of Azure Virtual Desktop (formerly Windows Virtual Desktop).		●	●	●	●	●
Deliver Single Session Windows Client OS Desktops (Pooled, Dedicated, Personal) Desktop operating systems, such as Windows 10 and Windows 7 are hosted in the datacenter and securely delivered to users on-demand. These desktops can be made available in a pooled fashion from a common base image or dedicated to users for personalization to meet the needs of advanced users.	●	●			●	●
Deliver Single Session Linux Desktops Linux Desktops that are hosted in the datacenter and securely delivered to users on-demand.		●			●	●

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App and Desktop Delivery						
Non-Domain Joined VDA access without requiring an Active Directory, leverages managed Active Directory to authenticate the user. This is accomplished using Citrix Managed Azure Capacity.		•			•	•
Citrix Managed Azure capacity Citrix Managed Azure simplifies the hosting of app and desktop workloads, making it simple to leverage cloud desktops to scale on-demand and pay as you go.		•			•	•
Remote PC Access Provide secure remote access to physical PCs and laptops leveraging the full HDX experience without SSL VPNs or the need to migrate desktops to the datacenter.	•	•			•	•
Hybrid Cloud						
Hybrid Multi-Cloud Capabilities Deploy workloads from multiple public clouds and/or on-premises hypervisors including physical machines all from within a unified console.	•		•	•	•	•
Microsoft Azure Deliver Microsoft Azure VM instances seamlessly with comprehensive provisioning and power management. Deploy new environments within Azure with ease and leverage our joint DaaS capabilities.	•	•	•	•	•	•

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Hybrid Cloud						
Google Cloud						
Provide seamless management of Google Cloud VM instances. Offer full image management and power management control to your administrators.	•		•	•	•	•
Amazon Web Services (AWS)						
Offers seamless management of AWS VM instances. Deploy and manage AWS workloads from within the Citrix management console with full provisioning and power management capabilities.	•		•	•	•	•
Includes Citrix Hypervisor						
Easily integrate with a Citrix Hypervisor virtualization solution for provisioning machines and the flexibility to expand or change your infrastructure at any time. Citrix Hypervisor vGPU sharing provides the best possible graphics experience when virtualizing 3D applications. Visit the Citrix Hypervisor Matrix for more.	•		•	•	•	•
Hyper-V with System Center Virtual Machine Manager (SCVMM)						
Easily integrate with your existing Hyper-V virtualization solution for provisioning machines and the flexibility to expand or change your infrastructure at any time.	•		•	•	•	•

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Hybrid Cloud						
VMware vSphere Easily integrate with your existing vSphere virtualization solution for provisioning machines and the flexibility to expand or change your infrastructure at any time.	●		●	●	●	●
Nutanix Acropolis Integration within Citrix Studio offers built-in virtualization for a turnkey hyperconverged infrastructure solution that simplifies deployment and reduces infrastructure costs.	●		●	●	●	●
User Experience and Productivity						
Any Device Access Empowers employees to choose the devices that are right for them and their work style. Citrix Workspace app works natively, and via HTML5, on popular browsers, on the broadest range of desktops, laptops, tablets and smartphones to ensure device investment protection without added work for IT.	●	●	●	●	●	●
Citrix HDX Technologies Deliver a superior high-definition user experience on any device, over any network. With Citrix HDX, the virtual experience rivals a local PC, even when using multimedia, real-time voice and video collaboration, USB peripherals (like smart cards and drawing/signature tablets) and 3D graphics.	●	●	●	●	●	●

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User Experience and Productivity						
HDX 3D Pro HDX 3D Pro is a set of specialized technologies that enable the delivery of 3D professional graphics applications from Citrix Virtual Apps and Desktops. HDX 3D Pro works with any hypervisor, cloud, device, or GPU, enabling customers the best possible experience with the flexibility of choice.	●	●	●	●	●	●
Citrix Workspace experience A complete cloud-based digital workspace service that allows you to deliver secure access to the information, apps, and content relevant to each employee's specific role on any device.	●	●	●	●	●	●
Citrix StoreFront *(Citrix user interface for virtualization only)* On-prem hosted enterprise app store that aggregates resources from Citrix Virtual Apps and Desktops, providing self-service access to Windows applications and desktops and internal web applications through a single portal from all devices.	●		●	●	●	●
Microsoft Teams Optimization Citrix optimizes the delivery of voice, video and telephony features of Microsoft Teams within a virtualized environment. Citrix Virtual Apps and Desktops maximizes server scalability by redirecting multi-media capabilities to the client for a high- performance user experience.		●	●	●	●	●

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User Experience and Productivity						
HDX RealTime Optimization Pack for Skype for Business The HDX RealTime Optimization Pack optimizes the delivery of voice, video and telephony features of Skype for Business when hosted on Citrix Virtual Apps or Citrix Virtual Apps and Desktops.		•	•	•	•	•
Workspace Environment Management WEM adds incredible value to Citrix Virtual Apps and Desktops deployments by optimizing the user experience, accelerating user logins, improving manageability of the user environment, and saving customers money with improved server scalability.			•	•	•	•
Service Continuity *(Supported for Citrix Virtual Apps and Desktops service with Workspace Experience)* Service continuity removes or minimizes dependence on the availability of components involved in the connection process. Users can launch their virtual apps and desktops regardless of the cloud services health status. *Supported for domain joined only workloads	•	•	•	•	•	•

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Product Component	Citrix Virtual Desktops service	Citrix Virtual Apps and Desktops Standard for Azure	Citrix Virtual Apps Advanced service	Citrix Virtual Apps Premium service	Citrix Virtual Apps and Desktops Advanced service	Citrix Virtual Apps and Desktops Premium service
Management						
Unified Management Console Citrix Virtual Apps and Desktops Studio dramatically simplifies and automates large scale deployments, including multi-tenant, multi-zone and hybrid-cloud implementations.	•	•	•	•	•	•
Custom delegated administration This capability in Citrix Studio provides the ability to designate specific administrative tasks to individual users or groups, such as helpdesk staff or support teams. Gives large IT departments the ability to isolate the scope and role of administrative functions for compliance and control.	•		•	•	•	•
Configuration logging This capability in Citrix Studio tracks administrative changes made to configure deployments, by whom and at what time they were made to simplify and accelerate troubleshooting and ensure audit compliance.	•		•	•	•	•
Machine Creation Services Image management and provisioning control from within the Citrix Studio console for simplified administration, especially beneficial in a public or hybrid cloud deployment. Integrates directly with APIs of public clouds and hypervisors to streamline management.	•	•	•	•	•	•

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Management						
Provisioning Services Centralized image management simplifies deployments of all sizes, physical or virtual, by streaming Windows and Linux OS workloads. *Component can be deployed in an on-prem, co-located, or customer datacenter. For a list of supported public cloud hypervisors, please view the latest Citrix product documentation. + Citrix Provisioning for Citrix Virtual Apps Advanced is available for VMHosted application instances running on a desktop operating system only. # Physical desktop support only available with Citrix Virtual Apps and Desktops Advanced and Premium services.	●*		●*+	●*	●*#	●*#
Autoscale/Power Management Provides a consistent, high-performance solution to proactively power manage your machines. It aims to balance costs and user experience.	●	●	●	●	●	●
Fast Image Builder A management tool that enables customers to custom build master images with templates provided by Citrix + Via Quick Deploy only		●			●*	●*

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Management						
Citrix Prepared Images Image template provided by Citrix to aid customers in building master images + Via Quick Deploy only		•			•*	•*
The Citrix ITSM Adapter for ServiceNow Providing a single point of integration between Citrix Virtual Apps and Desktops to ServiceNow, the ITSM adaptor automates aspects of virtual apps and desktop delivery with out of the box workflows aimed at improving efficiency, compliance and productivity.				•		•
Basic App Layering Offers admins the ability to create distinct layers for operating systems, applications, 0365 layers, and user personalization, which are combined at runtime to provide an optimized user experience. Layered deployments can provide significant cost and management benefits, while giving users a customized desktop experience.	•		•	•	•	•
User Personalization Layers Extends the capabilities of non-persistent machine catalogs, by preserving users' data and locally installed applications across sessions. This enables IT organizations to provide a persistent experience to users logging into non-persistent machines. This feature replaces Personal vDisk (PvD).		•		•	•	•

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Management						
Citrix App Layering with Advanced configuration Focused on management at scale and multi-site needs, it enables the delivery of the same application layer to multiple hypervisor types, multiple clouds, multiple provisioning mechanisms, and multiple broker types — without repackaging layers. Includes OS layer, Platform layer, App Layer, and User Layer for dynamic customization of images. *User layers are not supported with multisession deployments				●		●
Citrix SD- WAN Integration (Sold separately) Delivers a superior user experience even over low- bandwidth, high latency connections. Citrix HDX technology can intelligently detect bandwidth capacity and dynamically transform communication on the fly.		●		●		●
FSLogix Integration* Access to FSLogix profile and application technologies *Access to FSLogix capabilities provided by Microsoft	●	●	●	●	●	●

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Management						
Universal Print Server Mitigates the administrative burden associated with the management of hundreds or thousands of network and local printer drivers through centralized, universal printing services and further optimizes printing performance across local, mobile, and remote connections.	•		•	•	•	•
App and Desktop probing Proactively monitors the health of apps and desktops by scheduling automated launches to test overall system or site health.		•	•	•	•	•
VDA Restore In the event of an VDA installation or upgrade fail, the software will automatically restore the VDA back to its pre-upgrade state. An admin can assess information logs as to why it failed and make the necessary changes to fix the issue. The VDA will be in a stable, usable state without the need to take more significant, time-consuming corrective actions.	•		•	•	•	•

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Security and monitoring						
Monitoring with Citrix Director Provides a unified view where IT help desk admins can monitor, troubleshoot and assist users with virtual desktops and apps for thousands of users as easily as for one. The same console can be used to assist users with delivered apps and desktops.	•	•	•	•	•	•
Director Premium Provides a comprehensive view of enhanced capacity trends, the ability to create customized reports, desktop and server OS usage reporting, proactive notification and alerting including SNMP integration, and override control over roaming sessions ensure that IT is in complete control of their delivery solution for optimal performance and availability.				•		•
Integrates with Citrix Analytics (Sold Separately) Citrix Analytics generates actionable insights, enabling administrators to proactively handle user and application security threats, improve app performance, and support continuous operations.	•		•	•	•	•
Gateway Service Citrix Gateway Service provides secure, simplified access to the virtual apps and desktops deployed by IT to their end users. Organizations are entitled to 1GB of data per user per month, and data usage entitled is counted as pooled usage. *Organizations have the option to upgrade to Gateway Standard (add-on)	•	•	•	•	•*	•*

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Security and monitoring						
Federated Authentication Service FAS enables seamless single sign-on to Citrix Virtual Apps and Desktops when using a federated identity provider in Citrix Workspace or StoreFront. FAS is deployed in a customer managed environment and leverages Active Directory Certificate Services to dynamically issue certificates for users. These certificates are then used to provide SSO by logging in users into the Active Directory environment as if they had a smart card.	●	●	●	●	●	●
Multi Factor Authentication Enhances secure access from anywhere through integrated solutions.	●	●	●	●	●	●
Session Watermarking Security policy to display a text-based watermark on an app or desktop session to deter and track data theft.	●	●	●	●	●	●
Session Recording (Customer managed) Records the on-screen activity of any user session hosted from a VDA for Server OS or Desktop OS, over any type of connection, subject to corporate policy and regulatory compliance.				●		●
App Protection Policies (Sold Separately) Protect corporate data against key logging and screen capture malware by scrambling keystrokes and saving screen shots as blank images.	●		●	●	●	●

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