		Windows 2108	Windows Store	Windows 1912 LTSR	Linux 2108	Mac 2108.1	iOS 2108	Android 2108	HTML5 2108.2	Chrome-OS 2108.2
Citrix Workspace App (Earlier known as Citrix Receiver) Feature Matrix										
	Feature									
	Supported version of OS	Win 10	Win 10	Win 7-10	Multiple	10.15 and above	11 and above	7.0 and above	Chrome/Firefox/IE10+/Safari	latest
Citrix Workspace	Citrix Virtual Apps	●	●	●	●	●	●	●	●	●
	Citrix Virtual Desktops	●	●	●	●	●	●	●	●	●
	Citrix Content Collaboration (Citrix Files)	●	●	●		●	●	●	●	●
	Citrix Access Control Service	●		●		●				
	Citrix Workspace Browser	●				●				
	SaaS/Webapps with SSO	●	●	●	●		●	●	●	
	Citrix Mobile Apps						●	●		
	Intelligent Workspace features	●		●		●	●		●	
Endpoint Management	Auto configure using DNS for Email Discovery	●	●	●		●	●	●		
	Centralized Management Settings	●	●	●	●					●
	App Store Updates / Citrix Auto updates	●	●	●		●	●	●		●
UI	Desktop Viewer/Toolbar	●	●	●	●	●	●	●	●	
	Multi-tasking	●	●	●	●	●	●	●	●	
	Follow Me Sessions (Workspace Control)	●	●	●	●	●	●		●	
HDX Host Core	Adaptive transport	●	●	●	●	●	●	●		
	SDWAN support	●	●	●	●				●	●
	Session reliability	●	●	●	●	●	●	●		
	Auto-client Reconnect	●	●	●	●	●			●	
	File open in Citrix Workspace app	●		●				●		
	Session Sharing	●	●	●	●	●	●			
	Multiport ICA	●	●	●	●					
HDX IO / Devices / Printing	Local Printing	●	●	●	●				●	●
	Generic USB Redirection	●		●	●	●		●	●	●
	Client drive mapping / File Transfer****	●		●	●	●	●	●	●	●
HDX Integration	Local App Access	●	●	●						
	Multi-touch	●	●	●			●	●	●	●
	Mobility Pack	●	●	●			●	●	●	●
	HDX Insight	●	●	●	●	●			●	
	HDX Insight with NSAP VC	●	●	●	●	●	●***	●***		
	EUEM Experience Matrix	●	●	●	●	●			●	●
	Bi-directional Content redirection	●				●				
	URL redirection	●				●	●		●	
	Browser content redirection	●				●				
	Location Based Services (Location available via API-description)	●					●	●		
HDX Multi-media	Audio Playback	●	●	●	●	●	●	●	●	●
	Bi-directional Audio (VoIP)	●	●	●	●	●	●	●	●	●
	Web-cam redirection	●	●	●	●	●	●	●	●	●
	Video playback	●	●	●	●	●	●	●		●
	Microsoft Teams Optimization	●		●	●(x64 only)	●				●
	Skype for business Optimization pack	●	●	●	●	●				
	Cisco Jabber Unified Communications Optimization	●		●	●					
	Widows Multimedia redirection	●	●	●	●					
	UDP Audio	●	●	●	●(not with NSG)					
Security	TLS 1.2	●	●	●	●	●	●	●	●	●
	TLS 1.0/1.1	●	●	●	●	●	●	●	●	●
	DTLS 1.0	●	●	●	●	●	●	●		
	DTLS 1.2	●	●	●	●	●		●		
	SHA2 Cert	●	●	●	●	●	●	●	●	●
	Smart Access	●	●	●	●	●				
	Remote Access via Citrix Gateway	●*	●	●*	●	●	●	●	●	●
	Workspace for Web Access	●	●	●	●	●	Via ICA file	●	●	●
	IPV6	●	●	●	●	●	●	●	●	
	App Protection	●		●	●	●				
HDX Graphics	H.264-enhanced SuperCodec	●	●	●	●	●	●	●	●	●
	Client hardware acceleration	●	●	●	●	●				
	3DPro Graphics	●	●	●	●	●	●	●	●	●
	External Monitor Support	●	●	●	●	●	●	●	●	●
	Desktop Composition redirection	●	●	●						
	True Multi Monitor	●	●	●						●

Feature	Windows 2108	Windows Store	Windows 1912 LTSR	Linux 2108	Mac 2108.1	iOS 2108	Android 2108	HTML5 2108.2	Chrome-OS 2108.2
Supported version of OS	Win 10	Win 10	Win 7-10	Multiple	10.15 and above	11 and above	7.0 and above	Chrome/Firefox/IE10+/Safari	latest
Authentication									
Federated Authentication (SAML/Azure AD)	●	●	●	●	●	●	●	●*	●
ADC Full VPN	●	●	●	●	●	●			
RSA Soft Token						●	●		
Challenge Response SMS (Radius)	●	●	●		●				
User Cert Auth via Gateway (via Browser Only)	●	●	●		●	●			
Smart Card (CAC,PIV Etc.)	●	●	●	●	●	●	●		●
Proximity/Contactless Card	●		●	●					●
Credential insertion (E.g.. Fast Connect, Storebrowse)	●		●	●					●
Pass Through Authentication	●	●							
Save credentials *(on prem and only SF)	●		●		●				
ADC nFactor Authentication	●	●	●	●	●	●	●	●	●
ADC Native OTP	●		●	●	●	●	●		●
Biometric Authentication (Touch ID, Face ID..)							●		
Single Sign-On to Citrix Files App	●		●		●	●	●		
Single Sign on to Citrix Mobile apps						●	●		
Anonymous Store Access	●	●	●	●	●	●	●	●	●
Keyboard Enhancements									
Dynamic Keyboard Layout Synchronization with Windows VDA	●	●	●	●†	●†		●†		
Unicode Keyboard Layout Mapping with Windows VDA		●			●	●	●	●	●
Client IME Enhancements with Windows VDA	●	●	●		●				
Language Bar Show/Hide with Windows VDA Applications	●	●	●		●				
Option Key mapping for server-side IME input mode on Windows VDA		●			●	●			
Dynamic Keyboard Layout Synchronization with Linux VDA	●	●	●	●	●				
Client IME Enhancements with Linux VDA	●	●	●		●				
Language Bar support for Linux VDA Applications	●	●	●	●	●	●		●	

Indicators	
●	**Blue** dot indicates supported features
*	StoreFront Only.
**	HDX 3D Pro reverts to JPEG for these Citrix Workspace apps. 3 Mbps is recommended compared to 1.5 Mbps with H.264 Deep Compression.
***	For NSAP VC, Workspace app for ios/Android supports but from ADC/ADM, the support is still pending.
****	File transfer feature applies to Workspace app for HTML5/Chrome only as these Workspace app don't support Client Drive mapping
†	Dynamic Keyboard Layout Sync for Non-Windows receivers, requires enablement of the Unicode Keyboard Layout Mapping feature on the Windows VDA
0	Deprecated in the latest release.

Feature Definitions		
Citrix Workspace Aggregation	Citrix Virtual Apps	Access Citrix Virtual Apps formerly known as XenApp hosted applications.
	Citrix Virtual Desktops	Access Citrix Virtual Desktops formerly known as XenDesktop virtual desktops.
	Citrix Content Collaboration (Citrix Files)	Access Citrix Files formerly known as Citrix ShareFile
	Citrix Secure Workspace Access	With the Secure Workspace Access IT administrators can govern access to approved SaaS apps with a simplified single sign-on experience administrators can also protect the organization's network and end user devices from malware and data leaks by filtering access to specific websites and website categories.
	Citrix Workspace Browser	Browser delivered with the Citrix Workspace app to access SaaS and Web Apps securely
	SaaS/Web Apps with SSO	Access SaaS/Web Apps configured using Secure Workspace Access with SSO
	Citrix Mobile Apps	Access Citrix Mobile Apps aggregated by Citrix Endpoint Management formerly known as XenMobile
	Citrix Mobile App Upgrades	Access Citrix Mobile Apps aggregated by Citrix Endpoint Management formerly known as XenMobile
	Intelligent Workspace features	Workspace intelligent features give users a single unified experience with microapps, notifications, actions, workflows and virtual assistant to guide and automate the work, in addition to apps, desktop and files. For Workspace app on platforms that do not support this, you can use workspace app for web from your browser
Endpoint Management	Auto configure using DNS for Email Discovery	Enable Citrix Workspace app to be configured via auto discovered settings.
	Centralized Management Settings	App setting from a centralized service e.g.: Google chrome management or GPOs
	Auto Discovery/Configuration	Enable Citrix Workspace app to be configured via auto discovered settings.
	App Store Updates / Citrix Auto updates	Updates from vendor application store and for Windows and Mac through Citrix Auto-upgrade functionality

Category	Feature	Description
UI	**Desktop Viewer/Toolbar**	Enables in session control of session functions like sending Ctrl+Alt+Del via a toolbar.
	Multi-tasking	Enable multiple apps and desktop to be used at the same time
	Follow Me Sessions (Workspace Control)	Allows users to move between devices and automatically connect to all of their sessions.
HDX Host Core	**Adaptive transport**	Enables EDT transport for HDX for improved throughput independent of network conditions
	SDWAN support	Enables SDWAN acceleration for QoS, TCP, compression and de-duplication.
	Session reliability	Keeps sessions active and on the user's screen when network connectivity is interrupted.
	Auto-client Reconnect	Prompts and reconnects the session on connection interruption .
	File open in Citrix Workspace app	Allows opening a local file in Citrix Workspace app using hosted application (Client to Server Content Redirection
	Session Sharing	Enables published application to be executed over the same connection as other published applications when already running on the same server.
	Multiport ICA	Allows support for multiple TCP ports for HDX traffic to improve the quality of service.
HDX IO / Devices / Printing	**Local Printing**	Enables users to print documents via shared or local printers. In case of Workspace app for Chrome we support
	Generic USB Redirection	Enables use of USB devices inside the session.
	Client drive mapping / File Transfer****	Enables use of client drives inbuilt or attached for data storage.
HDX Integration	**Local App Access**	Access the local application on client device inside the session.
	Multi-touch	Enables ten finger multi-touch control of Windows/Linux desktops and apps.
	Mobility Pack	Enables native device experience features (e.g., auto popup keyboard and local device UI controls) and tablet-optimized desktops.
	HDX Insight	Provides visibility into the session startup/end times using ICA network performance metrics.
	HDX Insight with NSAP VC	Provide visibility into the session startup/ end time using NetScaler App Experience or NSAP Virtual channel to get HDX insights
	EUEM Experience Matrix	Provides Citrix administrators visibility into the logon duration metrics via Citrix Virtual Desktop formerly known as XenDesktop 7 Director.
	Bi-directional Content redirection	Enable client to host and host to client URL redirection.
	URL redirection	Allows running of applications locally on client.
	Browser content redirection	Enables an entire webpage (a browser's viewport) to be redirected to the endpoint for local rendering, offloading the server.
	Location Based Services (Location available via API-description)	Enables location informations to be used by applications delivered by Citrix Virtual Desktops earlier known as XenDesktop.
HDX Multi-media	**Audio Playback**	Enables server rendered audio playback.
	Bi-directional Audio (VoIP)	Enables use of hosted softphone / voice chat collaboration applications.
	Web-cam redirection	Enables use of video chat collaboration applications using a local webcam.
	Video playback	Enable viewing of recorded videos.
	Microsoft Teams Optimization	Offloads Microsoft Teams media processing from the Citrix server to the user device.
	Skype for business Optimization	Offloads Skype for business media processing from the Citrix server to the user device. In case of Workspace app for Android we support only on Chrome devices.
	Cisco Jabber Unified Communications Optimization	Offloads Jabber media processing from the Citrix server to the user device.
	Widows Multimedia redirection	Enables Windows Multimedia to be rendered on the user device, offloading the server.
	UDP Audio	Support for audio input and output over UDP .
HDX Graphics	**H.264-enhanced SuperCodec**	Enables streamlined delivery of applications using XenApp/Desktop 7.X H264-enhanced Supercodec.
	Client hardware acceleration	Enables hardware acceleration for HDX features like graphics, webcam etc. The leverage of hardware capability vary with different Citrix Workspace apps
	3DPro Graphics	Enables use of 3D professional graphics applications hosted in the data center.
	External Monitor Support	Enables use of an external monitor.
	Desktop Composition redirection	Enables graphics command remoting to client for rendering to ensure server scalability. Deprecated in Receiver for Mac 12.9 release.
	True Multi Monitor	XenApp/ XenDesktop creates the same number of monitors as supported by the client.
Security	**TLS 1.2**	Successor to SSL, strong communication channel security.
	TLS 1.0/1.1	Successor to SSL, strong communication channel security.
	DTLS 1.0	DTLS is a derivation of SSL protocol. It provides the same security services (integrity, authentification and confidentiality) but under UDP protocol.
	DTLS 1.2	DTLS is a derivation of SSL protocol. It provides the same security services (integrity, authentification and confidentiality) but under UDP protocol.
	SHA2 Cert	Ability to use SHA2 Certificates.
	Smart Access	Controls access to available applications through the use of Gateway policies and filters.
	Remote Access via Gateway	Provides users with secure access to enterprise applications, virtual desktops, and data anywhere without a
	Workspace for Web Access	Access to hosted applications or virtual desktops using a browser.
	IPV6	Enables use on IPV6 networks.

Authentication	**Federated Authentication (SAML/Azure AD)**	Enables FAS server the authentication of a user to be delegated to the Microsoft ADFS server (or other SAML-aware IdP) either by Azure AD or SAML
	ADC (Netscaler) Full VPN	Builds full VPN tunnel for Gateway.
	RSA Soft Token	Enables simplified authentication when using RSA Soft Tokens.
	Challenge Response SMS (Radius)	Enables use of challenge response authentication for example the use of SMS passcodes.
	User Cert Auth via Gateway (via Browser Only)	Enable use of users certificates as one factor for authentication with Gateway. This is for browser based authentication on Windows and Linux
	Smart Card (CAC,PIV Etc.)	Enable use of standard PC/SC compatible cryptographic smart card for authentication and signing.
	Proximity/Contactless Card	Enable users to use Citrix applications or Desktops by authenticating with proximity or contactless smart card.
	Credential insertion (E.g.: Fast Connect, StoreBrowse)	Enable users to use Citrix applications or Desktops by authenticating with proximity or contactless smart card. Storebrowse is a command-line utility tool available with Citrix Workspace app for Windows that you can use to customize Citrix Workspace app by scripting the storebrowse utility.
	Pass Through Authentication	User credentials are passed to a Web Interface site and then to the Citrix Virtual Apps and Desktops formerly known as XenApp/XenDesktop servers, preventing users from having to explicitly authenticate at any point during the Citrix application launch process.
	Save credentials *(on prem and only SF)	Enables save credentials for on-prem and only using Citrix storefront
	Gateway Native OTP	Gateway supports one-time passwords (OTPs) without having to use a third-party server, by keeping the entire configuration on the NetScaler appliance.
	NetScaler nFactor Authentication	nFactor authentication enables dynamic authentication flows based on the user profile. In some cases, these could be simple flows to be intuitive to the user. The minimum version of Netscaler required is 12.1.49.x
	Biometric Authentication (Touch ID, Face ID..)	Enables Bio-metric Authentications such as Touch ID and Face ID
	Single Sign-On to Citrix Files App	Enables Single-Sign-on to Citrix Files app formerly known as Sharefile
	Single Sign on to Citrix Mobile apps	Enables Single-Sign-on to Citrix Files app formerly known as Sharefile
	Anonymous Authentication	Support access for unauthenticated (anonymous) users
Keyboard Enhancements	**Dynamic Keyboard Layout Synchronization with Windows VDA**	Keyboard layout synchronization enables users to switch among preferred keyboard layouts on the client device and the same keyboard layout gets automatically set on the Windows VDA
	Unicode Keyboard Layout Mapping with Windows VDA	Support Unicode keyboard layout mapping for Windows VDA with non-Windows Citrix Workspace app
	Client IME Enhancements with Windows VDA	Enhanced Client IME usability and improved seamless experience for Windows VDA
	Language Bar Show/Hide with Windows VDA Applications	Users can choose to show or hide the remote language bar in a Windows VDA application session using the graphical user interface. The language bar displays the preferred input language in a session.
	Option Key mapping for server-side IME input mode on Windows VDA	Provides keyboard mappings for server-side Windows IME input mode keys that are not available on Client keyboards. Here the Option key on the Client is mapped to the server-side IME input mode keys
	Dynamic Keyboard Layout Synchronization with Linux VDA	Automatically synchronizing the keyboard layout of the Linux VDA with that of the client device. Anytime the keyboard layout on the client device changes, the layout on the VDA follows suit.
	Client IME Enhancements with Linux VDA	Enhanced Client IME usability and improved seamless experience for Linux VDA
	Language Bar support for Linux VDA Applications	Language bar helps users to select a server-side IME and to switch between server-side keyboard layouts during LinuxVDA application sessions.