

Citrix Access Essentials™ 2.0 and Microsoft Windows Server 2003

Citrix Access Essentials 2.0 builds significant value on top of the Windows Server 2003 Terminal Services foundation as illustrated in Figure 1. The product is available integrated with Terminal Server CALs or optionally without them.

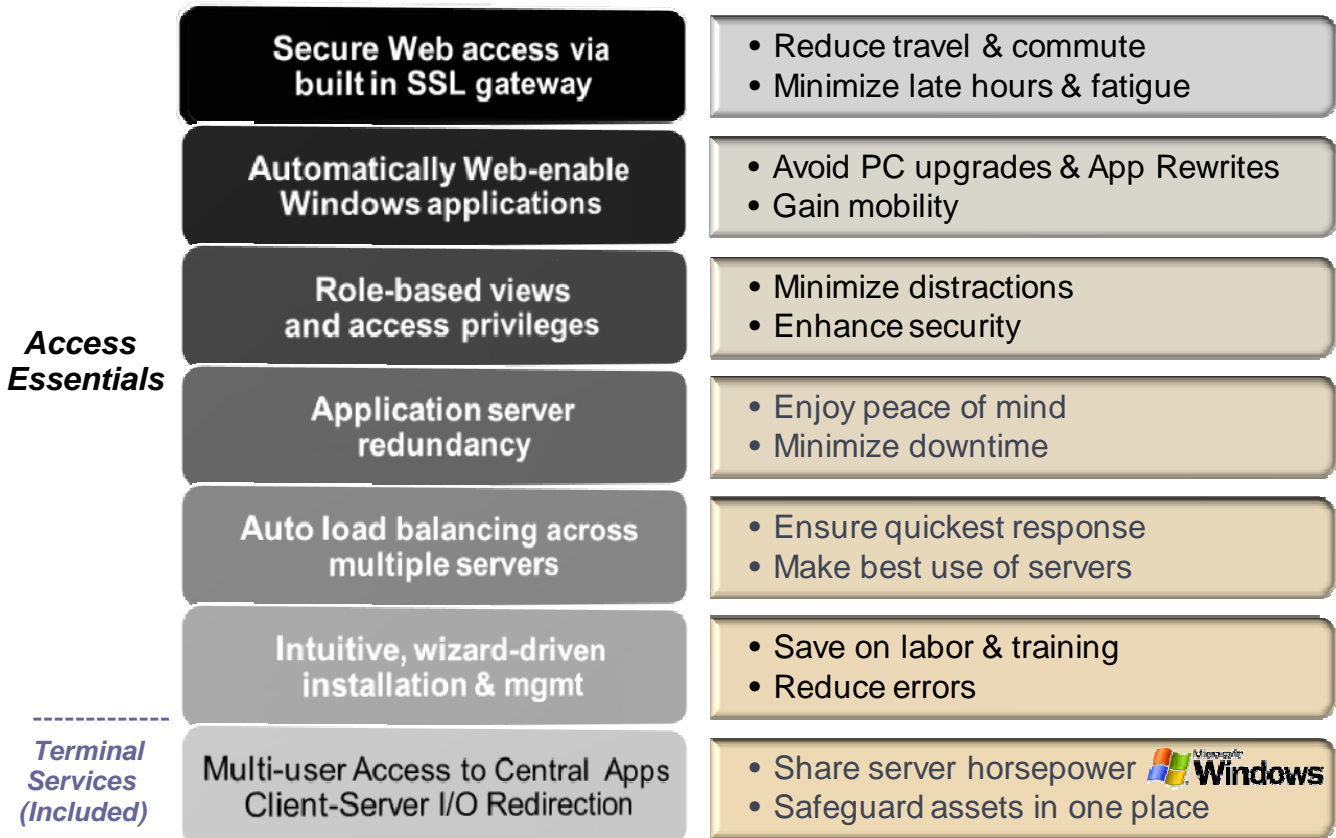


Figure 1- Features and Benefits of Access Essentials

The added value is expressed in more detail for 7 key areas in the table below.

1. User Connectivity
2. Performance and Resiliency
3. Printing
4. End-user Experience
5. Application Compatibility
6. Management
7. Security

Feature	Value
USER CONNECTIVITY	
Web Interface for Remote Access	Web Interface for Access Essentials provides a rich web portal for end users that provides built-in support for two-factor authentication, offers simple customization through the management console (no coding necessary), and provides dynamic multilingual support. Users are able access all the benefits of Access Essentials from a rich, secured web application from any location.
Universal Device Access	The Citrix client is available for a wide range of platforms including: DOS (16-bit and 32-bit), Windows (16-bit and 32-bit), Windows CE / PocketPC, UNIX, Linux, MacOS X, Java, IBM OS/2 Warp, EPOC / Symbian OS.
Microsoft Remote Desktop Client Support	Allows users to connect to Access Essentials using Remote Desktop Client, enabling access from devices that are locked-down or where restrictions prevent the download of a Citrix client.
Non-Administrator Client Installation	Eliminates the need to give users "Administrator" privileges in order to install the Citrix client, making it easier for users to access virtualized applications from any device, such as kiosks and business centers.
Web Interface for SharePoint	Allows organization to publish applications using Access Essentials through a SharePoint portal.
PERFORMANCE AND RESILIENCY	
Automatic Load Balancing	Spreads user workloads among available Access Essentials application servers, bypassing any that are down or offline
Master Server Failover	Load balancing responsibilities of master server are automatically transferred to an alternate machine if master server fails or is taken down for maintenance
Load throttling	Prevents new servers from being overloaded when they first logon to the farm by automatically biasing server load. Creates a consistent, reliable user access experience
CPU Utilization Management	Provides CPU distribution such that individual "power" users will not adversely affect other users on the same server. The technology controls processes from taking too much CPU at any given time, ensuring a consistent performance level for all users on the server.
Virtual Memory Optimization	Improves overall performance by rebasing DLLs to better optimize the use of virtual memory on the server. The optimizations attempt to eliminate DLL memory mapping conflicts from process to process (app to app or session to session) which reduces the amount of page swapping.
PRINTING	
Universal Printer Driver 3	New Universal Print Driver enhances all previous versions and enables files to print up to four times faster while using less bandwidth and memory. Users can use advanced printer functions like stapling and trays. Support for Citrix Proximity Printing ensures that users will be able to print to their closest printer without having to know the configuration of that printer.

END-USER EXPERIENCE	
SpeedScreen Latency Reduction Manager	Provides mouse click feedback and local text echo, both of which reduce a user's perception of latency when typing and clicking.
SpeedScreen Browser Acceleration	Optimizes the responsiveness of graphics-rich HTML pages in published versions of Microsoft Outlook, Outlook Express, and Internet Explorer.
SpeedScreen Image Acceleration	Offers you a trade-off between the quality of photographic image files as they appear on client devices and the amount of bandwidth the files consume on their way from the server to the client.
Compression	Intelligently compresses data sent across the network for the best possible performance.
Priority Packet Tagging	Enables the prioritization of ICA virtual channel traffic by 3 rd party network infrastructure providers.
Dynamic Session Resizing	Connect to any client with any color depth or resolution and the session will be resized accordingly. Also works when using Tablet PCs when re-orienting the screen.
Session Reliability	Allows work items to remain open when network connectivity is lost, and then seamlessly resumed when connectivity is restored.
Auto Client Reconnect	In the event that a user connection gets temporarily disconnected, the ICA client will automatically attempt to reconnect to its disconnected, yet still active session.
Application Publishing	Shows end-users which applications are available for use, whether delivered by virtualization Users access published applications through the Web Interface or PNagent
Content Publishing	Extends the application publishing model to accommodate internal and external content (both documents and web sites) making end user access to information even more seamless.
Content Redirection	Allows administrators to specify whether local or server applications are used to open content, no matter where it is stored.
Seamless Windows	Integrates local and remote applications into the local Windows desktop.
Desktop Integration via Program Neighborhood Agent	Access to published content can be tightly integrated into the end user's Window's desktop so that remote resources are available from the Start menu and leverage the system tray just as local applications do.
Microsoft Client Support	Supports all versions of Windows including Win32, WinCE, PocketPC and Win16.
Web Interface for Citrix	Provides secure access over the Internet to published applications and content
Multi-Monitor Support	Allows for spanning of the display across multiple monitors.
Local Resource Mapping	Provides ability to redirect most local resources into the session, including clipboard, audio, drives, printers, COM Ports.
Local Drive Access	Supports local drive access on a variety of platforms including all versions of Windows, Mac and UNIX as well as server drive remapping to provide client drives using their native drive letters.
Local Printer Access	Provides local printer access on a variety of platforms including native drivers and Universal Printing.
APPLICATION COMPATABILITY	
Support for local TWAIN devices	Redirects client-connected TWAIN imaging devices (like document scanners) from the client to the server, regardless of connection type. This allows users to control client-attached imaging devices from applications that run on the server; the redirection is transparent.
Bidirectional Audio	Bidirectional audio allows the use of client-side audio peripherals such as microphones and dictation hardware.

MANAGEMENT	
Wizard-driven Installation & Setup	Steps administrator through simple installation, licensing and setup process without prior knowledge of Citrix products
Wizard-driven Operation	Allows novices to publish applications, content, set up printers and enable remote access quickly and easily.
Single Server Integration	Secure Gateway, Web Interface, Application Server, licensing server and ticketing authority default to run on same system.
Embedded Terminal Server CALs	Product is bundled with necessary Microsoft Terminal Server Client Access Licenses for complete solution licensing in a single cost-effective product.
Client Backup URL	Specifies a secondary Web Interface URL and automatically redirects traffic in the event of a primary URL disruption for internal users via PNagent
Connection Policies	Provides a comprehensive policy subsystem that allows administrators to control access to Access Essentials resources with policies based on the user; user group,
Enhanced Management Experience	Leverages a comprehensive management interface that enables complete, single-point management of the Access Essentials master and support servers including applications, licenses, printers and users from any location.
Extended Shadowing Support	Provides support for a shadowing task bar, a shadowing indicator, one-to-many and many-to-one shadowing, cross-server shadowing, and provides support for logging of shadowed sessions.
Active Directory Support	Native support for Microsoft's Active Directory means that users logging in with AD credentials will be recognized and authenticated by Access Essentials
Delegated Administration	Provides the ability to assign a subset of Citrix administrative tasks to users without having to add them to a domain administrative group.
Printer Management	Provides advanced printer management that includes ability to map print drivers to different servers and easily replicate drivers from one server to another. Also, all complexities of dealing with print drivers can be eliminated using Citrix's Universal Printer Driver.
Connection Control	Allows you set a limit on the number of connections that each user can have simultaneously in the server farm. You can also limit the number of concurrent connections to specified published applications, and you can prevent users from launching more than one instance of the same published application.
SECURITY	
Application User Load	Limits the number users allowed to connect to a selected published application.
Advanced Encryption Standard Support	Provides high performance, standards-based encryption security using AES, required by many government agencies and other organizations with strict security requirements
Trusted Server Configuration	Prevent users from accessing unauthorized servers. Similar to Internet Explorer's "trusted web sites" feature, Trusted Server Configuration helps lock down environments and increases administrator control.
Two-Factor Authentication Support	Supports RSA SecurID® and SafeWord® SecureComputing tokens for two-factor authentication.
Secure Gateway	Encapsulates Access Essentials traffic in SSL to allow remote users to securely access published content while minimizing the cost & management of certificates. Using industry standard connections can traverse firewalls without the need to open additional ports.
TLS/SSL	Support for TLS/SSL encryption.