

## Micro Focus® InfoConnect® Desktop Pro

# Comparing InfoConnect Desktop Pro and InfoConnect Enterprise Edition, IBM and Open Systems

We've combined the features of Extra!®, Reflection® and InfoConnect into InfoConnect Desktop to give you the most advanced Windows terminal emulator in the market. In addition to core terminal emulation, printing, file transfer, and automation capabilities, our InfoConnect Desktop product line provides enterprise customers with support for advanced security protocols and the latest Windows operating systems. InfoConnect Desktop has been designed to provide a seamless upgrade experience that carries forward session and user settings as-is.

Features	InfoConnect Desktop Pro	InfoConnect Enterprise Edition, IBM and Open Systems	
<b>Supported Platforms</b>	16.2	9.5	<b>Key Consideration(s)</b>
<b>Desktop Operating Systems</b>			
Microsoft Windows 10 Pro or Enterprise (32- and 64-bit) Certified Logo	●		
<b>Server Environments (Deployment and Virtualization)</b>			
Windows Server 2016 Remote Desktop Services (RDS)	●		Be confident that the host application access solution is ready for future desktop and server operating system upgrades.
Windows Server 2012 Remote Desktop Services (RDS)	●	●	
Citrix XenApp version 7.x and Citrix supported versions*	●	●	
Citrix Ready Logo	●		
VMware Ready Logo	●		
VMware Workstation/Player	●	●	
Microsoft App-V	●		
<b>Secure Encryption</b>	16.2	9.5	<b>Key Consideration(s)</b>
Transport Layer Security (TLS) 1.2 support	●	●	The pace of change for threats, security requirements, and regulatory requirements means that companies must be able to use the most current technologies for encryption.
SHA-2: Support for SHA-256/RSA-2048 digital signatures	●	●	
FIPS 140-2 validated OpenSSL crypto module—Certificate #1747	●	●	
Mouse over session status line padlock icon for detailed encryption information	●		
Elliptical curve cryptography (ECC) for TLS 1.2 encryption	●	●	
Administrators can lock down specific SSL/TLS settings	●	●	
Support for multi-factor authentication to MSS via x.509 certificates on smart card	●		
Support for sending intermediate CAs along with the user certificate	●		
Online Certificate Revocation—When making secure connections, check the authenticity of certificates using Online Certificate Status Protocol (OCSP), a faster alternative to checking Certificate Trust Lists (CTL).	●		

● Feature available in this version

\* Supported on the above-supported Windows Server versions

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<b>Secure Desktop</b>	16.2	9.5	<b>Key Consideration(s)</b>
Trusted locations feature to secure desktop environment by allowing only trusted session files and macros to execute (specified location of session and macro files)	●		Administrators can configure terminal emulation sessions to meet end user needs while locking down configurations to prevent unauthorized access.
Ability to encrypt session files	●		
Create custom Context Menus	●		
Ability to update deployed settings files	●		
User Account Control (UAC) for Installation	●		
Build Microsoft Installer (.msi) packages and lock down features	●		
<b>Data Privacy and Protection</b>	16.2	9.5	<b>Key Consideration(s)</b>
PCI DSS mode to prevent unsecured connections to host systems (all networks, wireless networks)	●		Mainframe applications were designed long before privacy requirements and regulations. Organizations can now comply with privacy regulations and requirements (such as PCI DSS, GDPR) without making any high cost and risky changes to their mainframe application or disrupting existing end user workflows to prevent sensitive information from being viewed, copied to the clipboard, and printed.
Support for protecting/masking sensitive data on IBM 3270 and 5250 screens	●		
Dynamic privacy filters to efficiently identify, filter and protect sensitive data	●		
Ability to ensure PCI DSS compliance for terminal emulation sessions	●		
Enforce secure connections over wireless network	●		
Make PAN data (credit card numbers) visible based on organizational role (e.g., manager, end-user, contractor)	●		
Prevent users from changing PAN settings with Windows User Account Control (UAC)	●		
Ability to log when a user accesses a credit card number on an IBM (3270 or 5250) host screen via API (allowing for data capture in a third-party enterprise logging solution)	●		
<b>Ease the Transition to InfoConnect Desktop</b>	16.2	9.5	<b>Key Consideration(s)</b>
Retain existing InfoConnect sessions while gaining easier administration	●	●	Minimize disruption to end users by running existing InfoConnect configurations and macros in InfoConnect Desktop while providing users a familiar look and feel much like the experience of upgrading Microsoft Office.
Use existing InfoConnect session files without changes	●	●	
Deploy Classic interface to maintain traditional InfoConnect look and feel	●		
Run existing macros and automations	●		
<b>Simplified Administration</b>	16.2	9.5	<b>Key Consideration(s)</b>
Compound Settings Files—Support for compound configurations to include all customizations in single session file	●		InfoConnect Desktop, unlike InfoConnect, provides one session file for multiple settings files, including keyboard, colors, file transfer, security, and connections that simplify administration.
One session file for settings and macros	●		
Administrators can centrally modify workspace (global) settings without disrupting existing end-user configurations	●		
<b>Authentication and Authorization</b>	16.2	9.5	<b>Key Consideration(s)</b>
Single sign-on to Dorado applications via x.509 authentication	●		Use existing mainframe/host side authentication capabilities to secure access to host applications and data.
Support for Kerberos telnet authentication for TN5250 connections to the AS/400	●	●	
Support for multi-factor authentication to MSS via x.509 certificates on smart card	●	●	
Support for IBM Express Logon Feature (ELF) enables certificate authentication and single sign-on (SSO) for mainframe sessions	●	●	
New automated sign-on to IBM mainframe (ASM) implementation	●		

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Features	InfoConnect Desktop Pro	InfoConnect Enterprise Edition, IBM and Open Systems	
<b>Centralized Management</b>	16.2	9.5	<b>Key Consideration(s)</b>
Seamless workflow to secure host access without disrupting end user productivity	●		Strong security requires the enterprise to control access to host applications and data, in addition to supporting regulatory compliance, without disrupting employee productivity. You can enable strong security through effective management by teaming InfoConnect Desktop with Host Access Management and Security Server (MSS). Working with your Identity and Access Management (IAM) system, MSS seamlessly propagates changes to application settings and user-specific content from a central server.
LDAP Authentication	●	●	
x.509 Certificate Authentication	●	●	
Single Sign-On for NTLM v2	●		
Support IBM host server certificates managed by MSS	●		As enterprises move to encrypting data in motion and validating senders and receivers, centralized management enables more secure and simpler management of server certificates.
Centralized certificate management for IBM host systems	●		
Require authentication to central server for user to be granted access to host system	●		Prevent unauthorized users from using terminal emulation by forcing authentication to MSS.
<b>Host Access Management and Security Server Add-On Components:</b>			
<ul style="list-style-type: none"> <li>■ <b>Security Proxy Add-On:</b> Deliver end-to-end encryption and enforce access control at the perimeter with patented security technology.</li> </ul>	●	●	Add layers of security protection for your most sensitive systems and data.
<ul style="list-style-type: none"> <li>■ <b>Advanced Authentication Add-On:</b> Enable multifactor authentication to authorize access to your valuable host systems.</li> </ul>	●		
<ul style="list-style-type: none"> <li>■ <b>PKI Automated Sign-On Add-On:</b> PKI-enable automated application sign-on to your critical enterprise systems</li> </ul>	●	●	
<ul style="list-style-type: none"> <li>■ <b>Terminal ID Management Add-On:</b> Dynamically allocate terminal IDs based on username, DNS name, IP address, or address pool.</li> </ul>	●	●	
<b>Standardization and Competitive Replacement</b>	16.2	9.5	<b>Key Consideration(s)</b>
IBM Personal Communications (PComm) sessions and runtime support for PComm macros	●		Organizations looking to simplify administration and reduce costs are standardizing on a single terminal emulation solution. They can now ease the transition to InfoConnect Desktop saving time and reducing disruptions to user productivity.
OpenText (Hummingbird) Host Explorer runtime support for Hummingbird macros	●		
Brandon Systems/Jolly Giant QWS 3270 runtime support for Jolly Giant macros	●		
Run Rumba session files and run time support for Rumba macros	●	●	
<b>End User Productivity</b>	16.2	9.5	<b>Key Consideration(s)</b>
Business-user-oriented macro language (Express Macro Language) for IBM hosts	●		Empower end users to easily automate routine tasks increasing productivity without having to use a developer/ programmer. Drag and drop tool enables users to edit macros quickly and reduce errors. EML macros can be used without modification in Reflection Desktop, Rumba+ Desktop, Reflection ZFE, and InfoConnect Desktop.
Scan bar code data into host applications using Bluetooth (wireless) scanning devices	●		Bluetooth scanner support allows customers to leverage a wide array of bar code scanners to increase the mobility and efficiency of assembly line workers allowing them to directly enter data into mainframe applications.

● Feature available in this version

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Features	InfoConnect Desktop Pro	InfoConnect Enterprise Edition, IBM and Open Systems	
<b>End User Productivity</b> <i>continued</i>	16.2	9.5	<b>Key Consideration(s)</b>
Print output of host print data in a predefined format to a PDF document	●		<p>Enable end users to be more efficient without making changes on the mainframe.</p> <p>Use familiar Microsoft Office interfaces and features to make working with mainframe applications familiar and efficient.</p> <p>With Microsoft Office, you can enable users to leverage host data in e-mail messages, contacts, appointments, notes, tasks, and word-processing documents.</p>
Quick pad support for fast access to productivity features that support users' unique workflows	●	●	
Visual terminal keyboard for accessing terminal keys	●	●	
Application, desktop, and Internet search support	●		
Support for opening new sessions in existing workspaces	●		
Triple-mouse-click support	●		
Word wrap support (IBM hosts)	●	●	
Tabbed Multiple Document Interface (MDI)	●		
Full Plus UI modernization support (IBM hosts)	●		
Support for the InfoConnect 9x method of performing multiple print screens of host data	●		
Ability to merge host print data with a predefined Rich Text Format (RTF) file and output it to Word or PDF document	●		
Progress bar indicator when importing or loading legacy session files	●		
Cut/copy/paste improvements	●		
Search feature in Classic mode	●	●	
Ability to save layouts in Classic mode	●		
<b>Microsoft Office Integration—All Host Types—to automate data exchange between host apps and Office</b>			
Microsoft Office 2016 integration (32- and 64-bit)	●		
Microsoft Office 2013 and 2010 integration (32- and 64-bit)	●	●	
Office 2016 theme for look and feel consistency	●		
<b>Use existing macros without changes in InfoConnect</b>	●	N/A	<p>Organizations can continue to use existing macros and customizations in InfoConnect without the need to update or rewrite them.</p>
CASL macro runtime and editing	●	●	
Support for encrypted macros	●		
<b>User Interface Modernization</b>	16.2	9.5	<b>Key Consideration(s)</b>
Plus for modernization of green screens with a drag and drop tool	●		<p>Add modern time saving controls and look and feel to IBM 3270 and IBM 5250 sessions to give workers a more intuitive and modern look and feel without making costly and disruptive changes to the mainframe application.</p>

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Features	InfoConnect Desktop Pro	InfoConnect Enterprise Edition, IBM and Open Systems	
<b>Programming and Automation</b>	16.2	9.5	<b>Key Consideration(s)</b>
<b>Customizations and integrations with other desktop applications</b>			
Events Mapper for triggering actions based on events in host sessions with no coding required	●		Using the Events Mapper, you can configure InfoConnect to initiate actions, such as macros, menu and terminal commands when an event is encountered during a host session. This makes it possible to monitor InfoConnect host interactions and synchronize InfoConnect commands with a defined group of host session events.
Ability to programmatically interact/share information between a host session and a webpage	●		Easily customize and integrate InfoConnect with other desktop applications.
IHLLAPI, HLLAPI, eHLLAPI, WinHLLAPI, ADK, SDK, and OLE	●	●	
<b>Visual Basic for Applications (VBA) Support</b>	●		Programmers familiar with Microsoft Visual Basic for Applications (VBA) can customize InfoConnect and automate common tasks using InfoConnect methods, properties, and events that extend the core Visual Basic language.
Macro recorder for VBA	●		
VBA-macro output available in VB.NET and C# (.NET)	●		
VBA IDE (Integrated development environment) included and integrated	●		
VBA macro-sharing capability for accelerating productivity on a wide scale	●		
<b>Microsoft .NET</b>	●		Create custom desktop applications in a .NET development environment using the Micro Focus API. The .NET Framework is the Microsoft managed-code technology used for building applications that have visually stunning user experiences, seamless and secure communication, and the ability to model a range of business processes.
Native .NET API	●		
Embeddable .NET control	●		
Integration between .NET API and Microsoft Visual Studio IDE	●		
API Guide and documentation with detailed walkthroughs showing you how to use the API with .NET	●		
<b>User Interface</b>	16.2	9.5	<b>Key Consideration(s)</b>
TouchUx for optimal user experience when interacting with host applications from touch devices	●		Leverage TouchUx to give iOS, Android, and Windows mobile-device users the mainframe keyboard experience they are accustomed to.
Browser UI mode			Provide a look and feel with the latest web browsers.
Ribbon user interface mode	●		The Ribbon interface shares the look and feel of Microsoft Windows and Microsoft Office.
Classic mode interface for InfoConnect	●	●	A Classic interface option provides an interface that is familiar to users of InfoConnect.
Customizable Ribbon	●		Customize the user interface to best suit the needs of user population.
Tabbed or windowed Multiple Document Interface (MDI) for sessions	●		
Configurable tabs, including colors, renaming, and more	●		
Local and online HTML Help	●		

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