

# InfoConnect Desktop for Airlines PTR

Micro Focus® InfoConnect® Desktop for Airlines PTR is flexible print delivery software that complements the InfoConnect Desktop for Airlines terminal emulator. PTR supports not only shared printers and host devices but also intelligent card readers, specialized ticket printers, and point-of-sale terminals. With PTR, your PC delivers functionality previously provided only on specialized terminals. PTR also prints from multiple hosts, independent of a terminal emulator.

## Product Highlights

### Industrial-Strength Connectivity for Airlines

We developed PTR to provide a printing solution for complex airline and travel industry application environments. Multihost access is often the rule in airline network environments, and airline and other travel industry workstations communicate via a variety of protocols. Host applications send code to peripherals to print items such as boarding passes, luggage tags, and tickets, on sophisticated, bi-directional printing devices. PTR can be used to print data from virtually any source to any peripheral device.

### IP Network Flexibility

Over the past few years, the airline industry has been migrating to high-speed IP networks, replacing terminals and PCs attached to gateways, and trying to upgrade from slow links. Airlines making the migration face the challenge of accessing legacy applications with custom processes on different platforms. PTR can utilize IP, including other industry standard transports like MATIP, to provide print message routing over dissimilar networks. It can connect multiple hosts with multiple input and output devices, regardless of communication

protocol—making it a solution of choice before and after the migration.

### Easier Administration with Terminal ID Resource Management

InfoConnect is compatible with Micro Focus Host Access Management and Security Server (MSS) and InfoConnect Airlines Gateway. With these powerful ID management tools, you can centrally manage host session Terminal IDs for ALC/TPF, Unisys, and IBM 3270 and 5250 host connections. Central management is ideal for remote or occasional users.

InfoConnect ID management allows you to allocate Terminal IDs on demand and only when required. ID management can pool Terminal IDs, conserving Terminal ID resources and reducing operating expenses. If a fee is associated with each terminal session, address pooling further extends costs savings by enabling a population of emulation clients to share a limited number of Terminal IDs.

### An Extra Layer of Security in Front of the Host

Integration with Host Access Management and Security Server allows you to add an extra layer of security to your legacy applications

## Quick View

- Integrated with Host Access Management and Security Server\* for centralized management and stronger security.
- Provides bi-directional print delivery messaging and printer support for airlines.
- Certified to work with CUTE vendors, including ARINC, RESA, SITA, and ULTRA.
- Certified for CUPPS Platform (PTRPlus only).
- Supports 100 print routes (64 routes without PTRServer).
- Accepts input from bar code scanners, passport readers, and magnetic strip readers.
- Generates output to ATB2 ticket printers, baggage tag printers, and miscellaneous line printers.

\*Requires a separate license.

without making any changes to your host systems. With MSS, you can centrally deploy and manage settings and macros, and protect your host against unauthorized users—from both inside and outside the network. MSS includes:

- **Administrative Server**, which allows you to deploy and manage session files such as macros, keyboard maps, and Quick Pads from a central location.
- **Metering Server**, which allows you to easily monitor application usage across your network.

### Bi-Directional Printing—the Key to PTR Print Delivery and Messaging

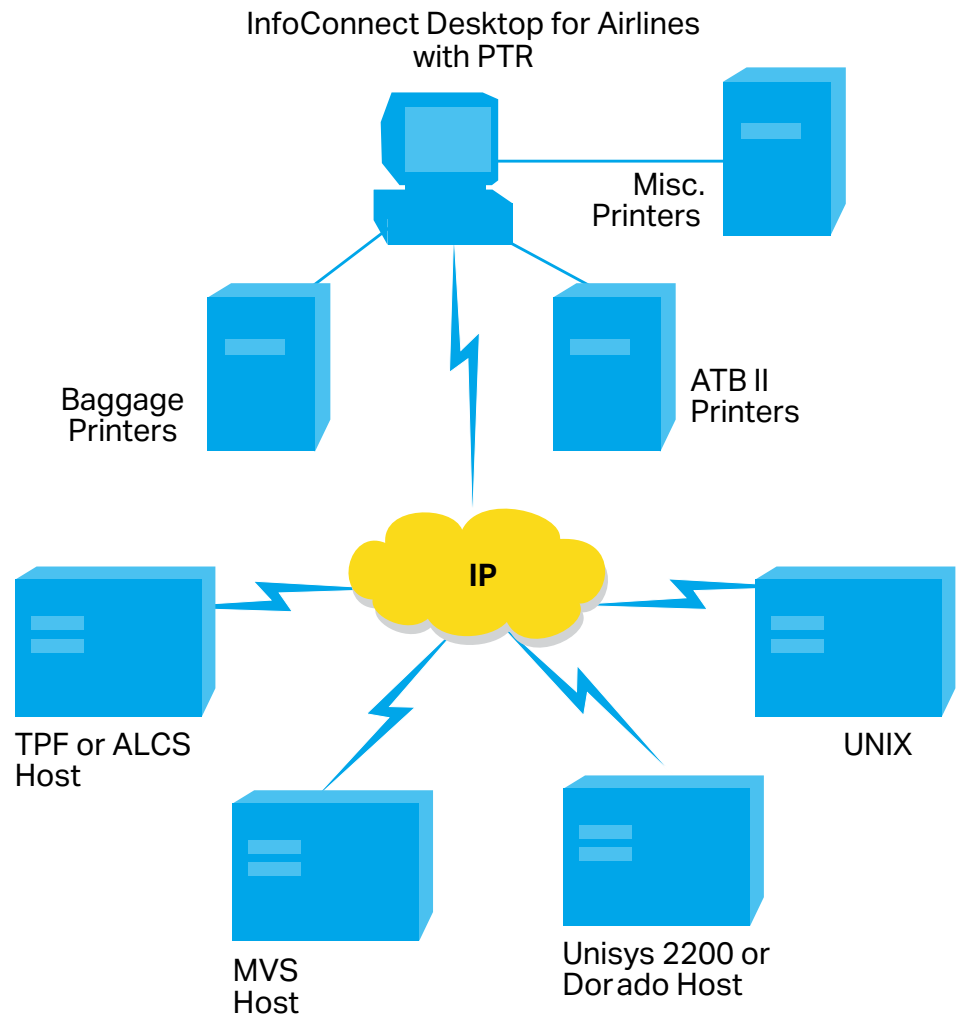
PTR shares and controls bi-directional printers connected to virtually any host. With custom print drivers and host filters PTR can direct host print jobs to locally attached devices or redirect host print jobs to various print queues. And because PTR supports bi-directional messaging on ATB2 (Automated Ticketing and Boarding Pass system) devices and industry-standard ticket and boarding pass printers, it sends an acknowledgement back to the host before allowing another job to start.

### Flexible, Multihost Printing

No other product on the market today supports as many host types and peripheral devices as PTR. Without PTR, a printer used for Unisys UTS print jobs cannot receive print jobs from other types of hosts such as TPF or IBM. With PTR, multiple host sessions print to the same printer without having to reconfigure. PTR handles the nuances of multiple print jobs and host responses.

### A True Queue Management System

PTR allows data to be manipulated and distributed. Because not all data requires printing, PTR manipulates and distributes data in print queues based on output options and filters. It serves as a router for peripherals used by distributed applications on different hosts and also allows for sharing peripherals, in some situations.



Bi-directional printing is the key to PTR's trusted print delivery. Here the print message goes to the various printers on the network, and an acknowledgement is sent back to the host when a print job is completed.

### Confirmed Print Delivery

In the airlines industry, you need to understand the print status of passenger documents. And with PTR, that status is communicated to the host for each print job. If a printer error occurs, PTR returns an error message so that the problem can be resolved and the host can send the print job again. Once a print job is complete, PTR sends an acknowledgement back to the host. As soon as the host receives the print

confirmation, PTR unlocks the queue status and allows the next job to be processed.

### Print Route Components

A print route consists of three components: the host session, host filters, and a print session. PTR obtains data from the host session, manipulates the data based on filtering instructions, and then passes that data to the appropriate print session. These user-defined routes

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InfoConnect Desktop for Airlines PTRPlus and  
InfoConnect for Airlines PTRServer provide the  
same essential capabilities as PTR plus more. PTRPlus  
is CUPPS certified for global release, and PTRServer  
supports additional print routes and COM ports.**

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provide complete control over where data is sent and how it will be used.

The PTR runtime module resides on Windows PCs or print servers and silently runs in the background. It is designed for easy installation and minimal configuration. Simply indicate the host connection and the destination output device—PTR does the rest. The host filter interprets print files originating on the host, and the filter converts the information into a data stream appropriate for the output device. For example, you can write an application to communicate to a PTR-controlled device via the PTRUAPI. Because PTR is a layered architecture, it can handle devices in different environments—while keeping the application layer unchanged:

- **PTR host session.** Host sessions are simple to configure: Simply supply the host with a printer address and the associated physical address of the workstation where the printer device resides. The PTR host

session then transports data from the server to the specified printer address.

- **Host filters.** Host filters are called to manipulate the data stream when data or events are available. Install different host filters to support any host connection and any host application. Some applications may require special handling and changes to the supplied host filters. Filter modifications can be made using the PTR Developer's Kit (PDK).

#### **PTR Translation Tables**

There may be times when it is necessary to replace specific characters, such as special formatting commands from a custom application, so the peripheral can process the data. Make simple changes to the data stream quickly and easily without recoding the host filters or changing the mainframe application. Easy-to-use translation tables are provided for on-the-fly conversion.