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Blue Prism Mainframe Guide Attachmate InfoConnect

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How to configure Attachmate InfoConnect for use with Blue Prism

Introduction

Attachmate produce a number of emulator products for emulating and connecting to mainframe sessions. Blue Prism supports the use of several variants of Attachmate's products for mainframe connectivity. In this guide document we will be describing the use of the **InfoConnect** tool, when it is configured to connect to a UniSys or 3270 mainframe session.

This document was created as a guide to configuring the InfoConnect product in preparation for attaching by Blue Prism software. The version of the Attachmate product used in this guide is v16.

Blue Prism's InfoConnect mainframe connector uses the **Attachmate IHLLAPI interface**. See the Attachmate web site for more information.

Pre-Requisites

Before following these instructions you will need the following:-

- a) Blue Prism software installed
- b) Attachmate InfoConnect software installed
- c) A running mainframe terminal
- d) An Attachmate InfoConnect session file created which can connect to your running mainframe system

Supported File Types

Since Blue Prism uses the IHLLAPI interface to connect, InfoConnect's native session file formats are supported. Current known supported file types include:

- **RD3X** this is the same as the Attachmate Reflection Desktop session file
- ADP

Configuring Attachmate InfoConnect options

The following sections describes how to set up your Attachmate InfoConnect emulator in preparation for connecting to a mainframe session using Blue Prism.

Pre-requisites:

- A running mainframe
- An InfoConnect session file created to connect to the mainframe

Configuring InfoConnect to run a specific session

The following steps can be followed to configure InfoConnect to run a pre-defined session file:-

- 1. Run the Attachmate InfoConnect emulator program
- 2. If prompted, then select to **open a session file**, and browse to your existing InfoConnect session file (typically *.rd3x or *.adp file extensions)

3. Select the **Configure Advanced Connection Settings** option from the **Host Connection** settings screen:

Advanced - bptest.rd3x ? ×				
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Jump To Advanced 3270 Connection Action	Configure Advanced	Connection Settings		
Security Miscellaneous HLLAPI	System	✓ t in seco <u>n</u> ds:	^	
	Telnet Location			
	HLLAPI			
	Options			
See Also Configure Connection Settings	Sh <u>o</u> rt name:	Lon <u>g</u> name:		
Set Up Backup Connection Settings Set Up ID Management Settings for 3270	Compatib <u>i</u> lity: EXTRA!	Custom compatibility mas <u>k</u> : V		
			OK Cancel	

4. In the **HLLAPI** section, set the **Short Name** field to be your chosen Session Short Name. Click the OK button to confirm the setting.

HLLAPI			
Optio	ins		
	Sh <u>o</u> rt name: A ✓		Lon <u>g</u> name:
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5. Select the InfoConnect Workspace Settings link, then choose the Configure IHLLAPI Settings screen.

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File		
<u>N</u> ew <u>O</u> pen	Document <u>S</u> ettings Configure session documents. From a browser-like window, you can navigate	
Save	configuration settings, and search for session settings by keyword.	
Save <u>A</u> s	Configure application settings that apply to the overall application experience and all documents.	
Settings	Layout Settings If you want to programmatically access multiple layouts, use Layout Settings to provide them with unique name and channel values.	
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IHLLAPI - InfoConnect Workspace Settings			?	×		
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Jump To Configure IHLLAPI Settings	Configure	IHLLAPI Settings				
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	Name A B C D E F	Session Profile C:\Users\Giles\Documer	ts\Micro Focus\InfoConnect\ur	titled0.rd3x		
	Associations <u>S</u> har <u>U</u> niq	ed among all users ue to each user				
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- 6. Select the **Session Short Name** letter (*see Step 4*) and browse to locate the InfoConnect Session file (*.rd3x or *.adp) that you want to associate with this Session Short Name.
 - This character code will be used by Blue Prism's Application Modeller to identify the associated session, and will be called a "Session Identifier" in Blue Prism.
- 7. Click the **OK** button to set this configuration, and then exit from the InfoConnect session, ensuring that the session and the emulator are both closed.

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Configuring Blue Prism to run the InfoConnect session

Once InfoConnect has been configured to associate the session file with a specific session shortname, then Blue Prism can be configured to Launch and Attach to the same session.

- 1. Run the Blue Prism client software.
- 2. Using Object Studio create a new Business Object with the following configuration:
 - a) Select a Mainframe type of application



b) Choose the 'Micro Focus InfoConnect (WinHLLAPI)' type of connector

Application Modeller Wizard	?	×
Application Modeller		
Indicate what type of application you are using O Generic HLLAPI		
○ IBM iAccess (EHLLAPI)		
O IBM Personal Communicator (COM API)		
O IBM Personal Communicator (HLLAPI)		
O Micro Focus Attachmate Extral X-treme 9.3 (ATMAPI32)		
Micro Focus Infoconnect (WinHLLAPI)		
O Micro Focus Reflection 9.x and earlier (COM API)		
O Micro Focus Reflection for Desktop 16 (.NET API)		
O Micro Focus Rumba (EHLLAPI)		
OpenText HostExplorer (formerly Hummingbird) (COM API)		
OpenText HostExplorer (formerly Hummingbird) (EHLLAPI)		
○ Ericom PowerTerm InterConnect (HLLAPI)		
⊖ HP Teemtalk (EHLLAPI)		
○ NDL Active Conductor (HLLAPI)		
○ RMD (HTTP/XML)		
○ Rocket PASSPORT (COM API)		
< Back Next >	Car	ncel

c) For the Session Identifier selection choose the Session Shortname that was configured in the InfoConnect advanced options screen (Step 7 in the Attachmate configuration steps).



d) Leave the remaining options at their default settings and conclude the Application Modeller wizard screens.

With the two products configured test the connectivity by clicking on the "**Launch**" button to check that InfoConnect launches the correct session file and attaches as expected to your running mainframe session. If the Launch button is disabled, this indicates a successful attachment.



Your InfoConnect session should now be launched and ready for spying or interacting with by Blue Prism.

Using the **Win32 spy mode** click on the Identify button to select the whole session window inside the terminal emulator's frame. This will reveal the 80x32 grid allowing for field selection, for example:

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		Aname Match? Match Type Value End X Image: Comparison of the provided matching of the provided
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