# SS&C | blueprism

### Blue Prism Mainframe Guide IBM Personal Communications

**Document Revision 1.0** 



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### **IBM Personal Communications Emulator**

#### **Pre-Requisites**

- Minimum Blue Prism versions: v4.2.59, or v5.0.13
- IBM Personal Communications emulator software v6.0.16



#### PComm Installation

The software is available from this link:

#### https://www.ibm.com/developerworks/downloads/r/pcomm/

You will need an IBM ID registered with IBM before being able to obtain this trail software.

- Download and extract the software
- Run the 'setup.exe' file



#### **Commercial in Confidence**

#### • Set the Working Directory

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BM Personal Communications Trial - InstallShield Wizard
Application Data Location Choose where you want to store your application data.
Select where to store the application data for your sessions, macros, and keyboard configurations.
Over's Application Data Folder Store user-specific application data in each users profile directory
O All Users Common Application Data Folder Store all configuration data in the common user's application data directory
Classic Private Directory Store all configuration data in IBM Personal Communications Trial \private directory
InstallShield

- The selection of which working directory the software should use will have an impact on the product, because for some selections such as the AppData folder might have write access restrictions
- The computer will need to be restarted at the end of the installation



#### **IBM PCOMM Configuration**

• Run the start menu item called "Start or Configure Sessions"

此 IBN	A Personal Communications
	Start or Configure Sessions
	Administrative and PD Aids
	Utilities

Select "New Session" In the Session Manager screen:

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- Define a new session with the following parameters:
  - Type of Host: zSeries
  - o Interface: LAN
  - Attachment: Telnet3270

Cu	stomize Communic	ation		<u>x</u>
	- Select Connection t Type of Host: Interface: Attachment:	zSeries  LAN Telnet3270		•
		Link Parameters	Session Parameter	'S
	Connection Overvie	2W		
	Inter	face	Attachment	Type of Host
	<b>_</b> C	<u></u>		
	U	AN	Telnet3270	zSeries
	- This connection TN3270E interfation load balancing at - This selection - This connective	on provides access to an IBM a ace. Support for Service Locat and backup host is also provid is used in networks that typical vity can also be used to connec	Series host over a TCP/IP network, using ion Protocol, SSL V3 and TLS1.0 secure ed. Ily run TCP/IP protocols. ct to a host network through a firewall whi	ich supports NVT
	ОК		Cancel	Help

- Click the 'Link Parameters' button to reveal a further configuration screen:
  - Host name or IP Address: localhost
  - Port number: 23

Host Definition   Autor	natic Host Location   Security Setu	p   Printer Association	
	Host Name or IP Address	LU or Pool Name	Port Number
Primary	localhost		23
Backup 1			23
Backup 2			23
Connection Options Connection Timeout	6 🛨 Seconds	3	
Try connecting t	o last configured host infinitely		
Keep Alive			
Enable Telne	t Keep Alive	NOP	

- Run the mainframe session and Connect it
- Leave the emulator screen open and connected at Session A. This is an example session:



**IMPORTANT**: **Save the session file** to a location that Blue Prism will be able to access. The file should be saved with a .WS extension.

#### Blue Prism Configuration

The following instructions work with an open session, but this is not required in order to get this to work. The session file can also launch the application.

#### Version 4.2

For Version 4.2 use the "Mainframe (IBM)" connector. This uses the legacy COM API functionality to connect to an existing session file. The file can be launched using this method, meaning that you only need to have one Visual Business Object to work with this application.

• Application Modeller set to use "Mainframe (IBM)"

Application Modeller Wizard	<b>— X —</b>
Application Modeller Describe the application that is automated by this business object	<b>blue</b> prism
Indicate what type of application you are using	
🔿 Mainframe (Generic EHLLAPI)	<u>^</u>
Mainframe (IBM)	
💿 Mainframe (Hummingbird HostExplorer)	
💿 Mainframe (Hummingbird HostExplorer EHLLAPI)	E
🔘 Mainframe (Attachmate)	
🔿 Mainframe (Attachmate Reflection)	
🔘 Mainframe (Passport)	
🔘 Mainframe (Rumba)	
🔘 Mainframe (Teemtalk)	
Mainframe / IRM DCom HI I ADI)	~
Help < Back Nex	ct > Cancel

#### Version 5.0

For Version 5.0 use the "**IBM Personal Communicator (COM API)**" connector. This uses the legacy COM API functionality to connect to an existing session file. The file can be launched using this method, meaning that you only need to have one Visual Business Object to work with this application.

	Application Modeller Wizard	?
pplication Modeller		
Indicate what type of appli	ication you are using	
Generic HLLAPI		
O IBM iAccess (EHLLAPI)		
IBM Personal Communication	nicator (COM API)	
O IBM Personal Commun	nicator (HLLAPI)	
O Micro Focus Attachma	ite Extra! X-treme 9.3 (ATMAPI32)	
O Micro Focus Infoconne	ect (WinHLLAPI)	
O Micro Focus Reflection	n 9.x and earlier (COM API)	
O Micro Focus Reflection	n for Desktop 16 (.NET API)	
🔿 Micro Focus Rumba (E	HLLAPI)	
OpenText HostExplore	er (formerly Hummingbird) (COM API)	
OpenText HostExplore	er (formerly Hummingbird) (EHLLAPI)	
O Ericom PowerTerm Int	erConnect (HLLAPI)	
O HP Teemtalk (EHLLAPI)	)	
O NDL Active Conductor	(HLLAPI)	
O RMD (HTTP/XML)		
O Rocket PASSPORT (CO	M API)	
	z Back Navt S	Cance

The following instructions are common to both versions:-

• Set the path to the session file

Application Modeller Wizard	×
<b>Application Modeller</b> Describe the application that is automated by this business object	<b>blue</b> prism
Path to session file C:\BP QA\Mainframe Testing Software\IBM mainframes\BP PComm.ws	Browse

- Entry Point is **hllapi**
- Session Identifier is A
- **Polling Interval** and **Timeout Interval** can be left at their default values
- Application Manager mode is left at **Embedded** (to support 32-bit software), or can be specified as "External, 32-bit mode" to force 32-bit compatibility if necessary.

Application Modeller	
Application Modeller Define the elements of an applicati	on that will be used by Object Studio
ApplicationExplorer	Application Name
🔍 Filter the tree 😵	Mainframe - IBM PComm
- Mainframe - IBM PComm - Element1	Path to session file C:\BP QA\Mainframe Testing Software\IBM mainframes\BP PC( Browse
	Session Identifier
- - -	Polling interval (in milliseconds) during wait operations 250
	Timeout interval (in seconds) during wait operations
	Select the Application Manager mode
	Embedded (default)
	······································
Add Element Add Child	Launch Diagnostics Application Wizard
Help	OK Cancel Apply

• Click the Launch button in Application Modeller to attach to the running session.

#### Identifying elements in PCOMM

Using the **Identify** button select the inner window using the Win32 Mode spying highlight, and the left-click to confirm the selection. This will produce the identification grid:

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