# Blue Prism Mainframe Guide OpenText HostExplorer

**Document Revision 1.0** 



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# OpenText HostExplorer emulator

### **Pre-Requisites**

The versions specified in this document are not essential, but merely recommended.

- Recommended Blue Prism versions: v4.2.59 or above, or v5.0.21 or above
- OpenText HostExplorer emulator software v15 or above



### HostExplorer Installation

The evaluation version of the software is available from this link:

http://connectivity.opentext.com/resource-centre/evaluations/hostexplorer.aspx

Follow the on-screen prompts to install the software using the default settings.

### HostExplorer Configuration

The emulator can be run by opening a session file which is stored in a special folder which is collectively called "Connection Central" by HostExplorer:



### Session File Location

HostExplorer uses a session file with an extension of ".HEP". The location of the .HEP file can vary depending on the Profile. Sometimes the files are stored in a central location ("Global"), other times they are stored in a user's specific AppData location, or a shared location ("Shared").

rganize 🔻 🛛 Include	in library	lder		
🔆 Favorites	Name	Date modified	Туре	Size
E Desktop	🔒 Startup	19/05/2016 01:10	File folder	
🚺 Downloads	🍌 Templates	02/12/2015 03:39	File folder	
📃 Recent Places	🚰 1st Met Session	18/10/2016 17:25	HostExplorer Profile	4 KB
	Tefault 3270	13/08/2014 11:31	HostExplorer Profile	1 KB
对 Libraries	Default 5250	13/08/2014 11:31	HostExplorer Profile	1 KB
Documents	🚰 Default VT	13/08/2014 11:31	HostExplorer Profile	1 KB
🛛 🌙 Music	Music Demo	19/05/2016 07:02	HostExplorer Profile	4 KB

It may be necessary to create a HEP file in order to be able to locate the file and therefore be able to supply the path to the file later when configuring Blue Prism's Application Modeller.

The location of the HEP session file will be used later when configuring Blue Prism's Application Modeller.

### Hummingbird HostExplorer Session Set Up

First you need to amend the Terminal settings to set a Session Short Name. In HostExplorer navigate to Edit -> Options -> Terminal -> API -> Session short name:

Session Profile - 1st Met Session	
Categories:	3270 Graphics Character Set API
Connection Connectio	Session short name:

### Blue Prism Configuration

### Connecting to HostExplorer using the legacy COM API

The following instructions show how to launch and attach to HostExplorer using the COM API. This is primarily used to connect to older Hummingbird session files.

### Version 4.2

For Version 4.2 use the "**Mainframe (Hummingbird HostExplorer)**" 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	
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) Mainframe (IBM)	<b>^</b>
<ul> <li>Mainframe (Hummingbird HostExplorer)</li> <li>Mainframe (Hummingbird HostExplorer EHLLAPI)</li> <li>Mainframe (Attachmate)</li> <li>Mainframe (Attachmate Reflection)</li> <li>Mainframe (Passport)</li> </ul>	E
Mainframe (Rumba) Mainframe (Teemtalk) Mainframe (TEM PCom HLLAPI) Help	xt > Cancel

#### Version 5.0

For Version 5.0 use the "**OpenText HostExplorer (formerly Hummingbird) (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	?	×
Application Modeller		
Indicate what type of application you are using		
O IBM iAccess (EHLLAPI)		
O IBM Personal Communicator (COM API)		
O IBM Personal Communicator (HLLAPI)		
O Micro Focus Attachmate Extra! X-treme 9.3 (ATMAPI32)		
O 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)		
O Ericom PowerTerm InterConnect (HLLAPI)		
O HP Teemtalk (EHLLAPI)		
O NDL Active Conductor (HLLAPI)		
○ RMD (HTTP/XML)		
O Rocket PASSPORT (COM API)		
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The following instructions are common to both versions:-

• Set the **path to the HEP session file** – this is where you will need to location determined in the section earlier in the document.

Application Modeller       Path to session file       Collear bluession (Jeppartie) Humming bird) Connectivity (15.00) Profile) 1 ct Met Service hen	Application Modeller Wizard	? 🗙
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Path to session file  () User() bluenrice) \AppData\Peamine) blummine bird(Connectivity) 15.00\Profile) 1 ct Met Seccion ben  Provide  Provide Provi		
	Path to session file           C\\Lsers\bluenricm\AnnData\Poaming\Hummingbird\Connectivit\15.00\Profile\1st Met Session ben	Browse

- Application Manager mode should reflect the current OS and the target application "bitness".
  - If the OS "bitness" matches the application, then this setting can be left at 'Embedded'.
  - Where they differ, set the External mode to suit the application (e.g. "External, 32bit mode" supports 32-bit HostExplorer on a 64-bit OS.

Application Modeller	
Define the elements of ar	application that will be used by Object Studio
	Application Model belongs to this Object
Application Explorer	Andiastian Nama
T Filter the tree	Application Name HostExplorer Object1
□- HostExplorer Object1	Path to session file C:\Users\blueprism\AppData\Roaming\Hummingbird\Conned Browse
	Select the Application Manager mode
	External, 64 bit mode 🔹
	If necessary, enter any options specific to this target application, as directed by Blue Prism technical support.
Add Element Add Child	Launch Diagnostics Application Wizard
	OK Cancel Apply

- Click the **Launch** button in Application Modeller to launch a new session, or attach to a running session.
  - <u>NOTE</u>: When the session is running "Launch" becomes a method to attach. If the session is not running then "Launch" will launch the application and attach to the specified session.

### Connecting to HostExplorer using the EHLLAPI standard interface

The following instructions show how to launch and attach to HostExplorer using the EHLLAPI API standard interface. This is primarily used to connect to newer versions of HostExplorer (e.g. v14 onwards).

#### Version 4.2

For Version 4.2 use the "**Mainframe (Hummingbird HostExplorer EHLLAPI)**" connector. This uses the standard EHLLAPI functionality to connect to an existing session file.

Application Modeller Wizard	×
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) Mainframe (IBM) Mainframe (Hummingbird HostExplorer)	
<ul> <li>Mainframe (Hummingbird HostExplorer EHLLAPI)</li> <li>Mainframe (Attachmate)</li> <li>Mainframe (Attachmate Reflection)</li> <li>Mainframe (Passport)</li> <li>Mainframe (Rumba)</li> </ul>	ш
Mainframe (Teemtalk) Mainframe (TBM DCom HLLADT) Help <back< td=""><td>Next &gt; Cancel</td></back<>	Next > Cancel

#### Version 5.0

For Version 5.0 use the "**OpenText HostExplorer (EHLLAPI)**" connector. This uses the EHLLAPI standard API functionality to connect to an existing session file.

Application Modeller Wizard	?	×
Application Modeller		
Indicate what type of application you are using		
○ IBM iAccess (EHLLAPI)		
O IBM Personal Communicator (COM API)		
O IBM Personal Communicator (HLLAPI)		
O Micro Focus Attachmate Extra! X-treme 9.3 (ATMAPI32)		
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O HP Teemtalk (EHLLAPI)		
O NDL Active Conductor (HLLAPI)		
○ RMD (HTTP/XML)		
O Rocket PASSPORT (COM API)		
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• Session Identifier is set to the Session short name setting configured earlier in HostExplorer's Terminal settings. In most cases this is "A" by default.

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- Application Manager mode should reflect the current OS and the target application "bitness".
  - If the OS "bitness" matches the application, then this setting can be left at 'Embedded'.
  - Where they differ, set the External mode to suit the application (e.g. "External, 32bit mode" supports 32-bit HostExplorer on a 64-bit OS.

Application Modeller	? - • •
Define the elements of an	application that will be used by Object Studio
	Application Model belongs to this Object
Application Explorer	Application Name
Filter the tree	HostExplorer using EHLLAPI
□- HostExplorer using EHLLAPI I Element1	Session Identifier          A <ul> <li>Select the Application Manager mode</li> </ul>
	External, 64 bit mode 👻
	If necessary, enter any options specific to this target application, as directed by Blue Prism technical support.
Add Element Add Child	Launch Diagnostics Application Wizard
	OK Cancel Apply

- Click the **Launch** button in Application Modeller to launch a new session, or attach to a running session.
  - <u>NOTE</u>: When the session is running "Launch" becomes a method to attach. If the session is not running then "Launch" will launch the application and attach to the specified session.

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### Identifying elements in HostExplorer

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:

