SS&C | blueprism

Blue Prism Mainframe Guide Rocket BlueZone

Document Revision 1.0



SS<mark>&</mark>C | blueprism

Trademarks and copyright

The information contained in this document is the proprietary and confidential information of Blue Prism Limited and should not be disclosed to a third party without the written consent of an authorised Blue Prism representative. No part of this document may be reproduced or transmitted in any form or by any means, electronic or mechanical, including photocopying without the written permission of Blue Prism Limited.

© Blue Prism Limited, 2001 – 2022

© "Blue Prism", the "Blue Prism" logo and Prism device are either trademarks or registered trademarks of Blue Prism Limited and its affiliates. All Rights Reserved.

All trademarks are hereby acknowledged and are used to the benefit of their respective owners. Blue Prism is not responsible for the content of external websites referenced by this document.

Blue Prism Limited, 2 Cinnamon Park, Crab Lane, Warrington, WA2 0XP, United Kingdom Registered in England: Reg. No. 4260035. Tel: +44 370 879 3000. Web: <u>www.blueprism.com</u>

SS<mark>&C | blue</mark>prism

How to configure Rocket BlueZone Mainframe Emulator

Pre-requisites

The following versions are not specific requirements, but rather recommendations based on versions which are known to work together:

- Blue Prism v5.0.12 or above
- Rocket BlueZone emulator software v6.2 and above (last tested version 7.1 (64bit))



Last tested version combination was Blue Prism v6.6.0 and BlueZone 7.1.

SS&C | blueprism

BlueZone Installation

The software and its associated activation file will be available from a link in the e-mail sent after registering for the trial software.

The following is an example of the e-mail with download links send by BlueZone:



Perform the following steps:

1. Download and extract the Desktop software ('BlueZoneDesktop.zip').

2. Run the 'setup.exe' file.

🔊 global.ini	Configuration settings 1 KB	No 2 KB 48%
🔬 language.ini	Configuration settings 1 KB	No 1 KB 22%
📧 setup.exe	Application 595 KB	No 1,293 KB 55%
🐑 setup.ini	Configuration settings 3 KB	No 6 KB 58%

3. Set the Working Directory

🔀 BlueZone 7.1 (64-bit) - InstallShield Wizard	×									
Destination Folder										
Click Next to install to this folder, or click Change to install to a different folder.										
Installation Drive and Directory:										
C:\Program Files\BlueZone\7.1\	Change									
Working Drive and Directory: C:\Users\Junior Nyanga\Documents\BlueZone	Change									
◯ Change the Working Directory										
Use the user's Personal Folder as the Working Directory										
\bigcirc Use the All User's Shared Documents Folder as the Working Directory										
\bigcirc Use the user's App Data Folder as the Working Directory										
\bigcirc Use the All User's App Data Folder as the Working Directory										
InstallShield										
< Back Next >	Cancel									

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

Commercial in Confidence



4. Ensure that the **HLLAPI** option is selected for installation.

🔀 BlueZone 7.1 (64-bit) - InstallShield W	/izard		\times
Component Selection Select the program features you want insta	lled.		
Click on an icon in the list below to change ho	w a feature is insta	alled.	
	Ŷ	Feature Descripti HLLAPI support in WHLLAPI, and Er	on ncluding EHLLAPI, ihanced EHLLAPI.
Install this application for: Only for me (Junior Nyanga) Anyone who uses this computer (all use InstallShield	irs)	This feature requ hard drive.	uires OKB on your
Help	< Back	Next >	Cancel

Tip: If you are using version 6.2 or earlier of BlueZone, you might need to locate the "seagull.saf" activation file. You can skip this step if you are on version 7.1 or above of Rocket BlueZone.

😸 BlueZone	e 6.2 - InstallShield Wizard	X
Choose Ac Specify t	tivation File he location of the Software Activation File (.saf).	
Þ	Copy activation file from: C:\apps\Mainframe Emulation\Rocket BlueZone\seagull\seagull.saf	Browse
Specify ti you have installatio	he location of the BlueZone activation file (.saf) file if one. Setup will copy it from the specified location to n directory.	
InstallShield -	<back next=""></back>	Cancel

5. Launch BlueZone.



SS<mark>&</mark>C ∣ blueprism

BlueZone Configuration

1. Once the application has been launched, click on **Session > New Mainframe Display**.

at bine in and in a bine	Ad Sealon Layout Ad Sealon Layout Rename Fader Bandro Stand Lunch All Lunch All Creat Design Shartod Session Options View Help Randrome Display View Help Randrome Display View Help Concerning International Concerning International
<pre>state = later = l</pre>	Auferier Rename Fider Detes Land Alian Land Alian Cene Design Manager Session Options View Help Definition Display ✓ Image: Show Al Sessions Image: Show Aliant Show Aliant Sessions Image: Show Aliant Sessions <
To be the field in the second decision of	Totale Luich Selected Luich All Corest Evelops Detruit Session Options View Help Barframe Daplay ✓ ← Image: Session Control of the sessions Image: Session Control of the
To Prove the Construction for the Construction f	Luce Stated Luce Stated Stated Huz Session Options View Help Session Options View Help State Stated Luce Stated Huz State Stated State Stated State Stated State Stated State Stated State
	Lizert All Create Datage Status Session Options View Help antrame Display
eve baars datuit Sect BlacZone Session Manager Sector Options View Help Antenno Daplor	Create Database Decision Manager Session Options View Help airframe Display ♥ ➡ ♥ ● ♥ ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ●
zscie BlueZone Session Manager andrane Daplar → → → → → → → → → → → → → → → → → → →	scket BlueZone Session Manager Session Options View Help airframe Display V + N N N N N N N N N
Seston Options View Help andreme Digular	ocket BlueZone Session Manager Session Options View Help lainframe Daplay ✓ ← >>> >>>>>>>>>>>>>>>>>>>>>>>>>>>>
odate Blackbone Backey View Help Randame Daglay V VIII A View Help VIII A VIII A VIIII A VIII A VI	ocket BlueZone Session Manager Session Options View Help Safframe Display V + Sign Sign Sign Sign Sign Show Al Sessions V D B- BB IIII & Source Show Sessions V D B- BB IIII & Source Show Sessions V D B- BB IIII & Source Show Sessions V D B- BB IIII & Source Show Sessions V D B- BB IIII & Source Show Sessions V D B- BB IIII & Source Show Sessions V D B- BB IIII & Source Show Sessions V D B- BB IIII & Source Show Sessions V D B- BB IIII & Source Show Sessions V D B- BB IIII & Source Show Sessions V D B- B B IIIII & Source Show Sessions V D B- B B IIII & Source Show Sessions V D B- B B IIIII & Source Show Sessions V D B- B B IIIII & Source Show Sessions V D B- B B IIIII & Source Show Sessions V D B- B B IIIII & Source Show Sessions V D B- B B IIIII & Source Show Sessions V D B- B B IIIII & Source Show Sessions V D B- B B IIIIII & Source Show Sessions V D B- B B IIIII & Source Show Sessions V D B- B B IIIIII & Source Show Sessions V D B- B B IIIIII & Source Show Sessions V D B- B B IIIIIIIIII & Source Show Sessions V D B- B B IIIIIIIIIIIIIIIIIIIIIIIIIIIIII
Sestion Options View Help terrfame Ditability Help The Sestion # Sessions The Sestion # Sessions The Sestion # Sessions The Section # Sessions The Section # Sessions The Section # Section	Session Options View Help Tarriframe Display V + S S C C C C C C C C C C C C C C C C C
	ainframe Display ✓ ← >>> >>>>>>>>>>>>>>>>>>>>>>>>>>>
C1 Extended to the off connection TN3270E Properties - TN2270E Properties - TN2270E Properties - TN2270E Properties - TN2270E Trace - Filezonia - Connections Device Security Certificate Connection - Connection - Connection Name: - Lines - Vise c Lines Vise c - Vise c - Lines - Security Host - Host Address: - Lines - Connection Name: - Connection Name: - Connection Name: - Backup Host: Hone Connection Timer: 15 Backup Host: - Console Timere: - Console Timere: - Console Timere: - Backup Host: - Console Timere: -	Ct. – Backet Bluz Zana Mainframa Dirolau – – – ×
Concection TH32270 Properties Keep Alke Troce Fervall Security Sever About Connection TH3220 / TH3220E Connection Connection Neme: Host Address: Connection Neme: Connection Neme: <th>Ct. Backet BlueZona Mainframa Direlau - D X</th>	Ct. Backet BlueZona Mainframa Direlau - D X
Cs Divides Blans/Verse Mainfestmen Divides IN32700 Properties - - Connections Security Centificate T13270 / T13220 Connection - Connection - Instance - Instance - Connection - T102700 TOP Port: 23 - Backup Host: Hone Connection - T102700 - Seale Seale BM Attention Key Hendling 00 00 000 01.001	C1. Parket BlueZene Majeframe Direlau – D ×
1 Dordskik Manar/Jones Mulsisference Disester TN3270E Properties - Keep Alley TN3270 Trace Firewall Security Server About TN3270 Trace Connection Backup Host: None Backup Host: TN3220E Connection Timer: Backup Host: TN3220E Connection Timer: Connection Timer: Enable BM Attention Key Hendling OK	C1Dardet Disa7ana Mainframe Diretau
The 20 outside Black Zones Ministrama Directant TH3270E Properties - Free P	C1Parket PlueZone Mainframe Direlau X
TH3270E Properties Trace Firevall Security Server Active Connection Th3270E Trace Trace <td>C1Revise Plue Zene Mainframe Direlau X</td>	C1Revise Plue Zene Mainframe Direlau X
Image: Security Server About Image: Security Security Server Ab	This are the functional Mainframe Directory - X
Keep Alke Trace Firewall Security Sever About Connections Device Security Certificate TH3270 / TH3270E Connection X Connection Neme: X TH3270 / TH3270E Connection X Connection Neme: X Vise C LU Name: X Active Con TCP Port: 23 Connection Th3270 Th3270E Host Hone X Host Backup Host: Hone Host Backup Host: Mone Th3270E Enable Extensions 01/001 Enable ISM Attention Key Handling 01/001	LINSZ/UE Properties - X
Keep Allow Connection Connection Connection Connection TH3270 / TH3270E Connection Connection Name: Host Address: Use c Active Con Connection Host Active Con Connection Backup Host: Host Backup Host: Host Backup Host: Physes Firewall TH3270E Connection Tumer: 15 Backup Host: Physes Firewall TH3270E Connection Key Hendling 00000000 01.001	
TH3270 / TH3270 Econection Connection Define New Connection TH3270 / TH3270 Econection TH3270 / TH3270 Econection Connection Name: Use c Active Con Connection Name: Use c Active Con Connection Name: TCP Port: 23 Connection Timer: 15 Bac Define Saw Attention Key Handling Enable SBM Attention Key Handling OK Cancel Connection 01,001	Keep Alive Trace Firewall Security Server About
Connection Connection Define New Connection Connection Name: Use c Active Con Connection Backup Host: Host Backup Host: Host Connection Timer: 15 Backup Host: Pypass Firewall TH32270 Connection Timer: IS Define IsBM Attention Key Handling OK Cancel	
Connection Y<	TN3270 (TN3270E Connection
S Market S Ma	Connecti Define New Connection
S Connection Name: Host Address: Host Address: Active Cor Active Cor Connection Timer: 15 Bac Bypass Firewall TN3270 Cancel 00000000 01,001	TN3270 / TN3270E Connection
Image: Solution of the second sec	Connection Name:
Host Address: Use C Active Con Connect Host Backup Host: Hone Connection Timer: 15 Bac Bace	
Active Con TCP Port: Active Connectin Backup Host: Hore Image: Strewall TH3270E Enable TH3270E Image: Strewall Enable Extensions Image: Strewall Image: Strewall Image: Strewall Image: Strewall <	Host Address:
Active Con Connect Host Connection Timer: 15 Bac Bypass Firewall TH32270 S Connection Timer: 15 Bac Enable TH32270 Enable Extensions Enable Extensions Connection Key Handling OK Cancel	Use C LU Name:
Active Con ICP FOIL: 23 Connection Backup Host: None Host Backup Host: None Host Connection Timer: 15 Bac Bypass Firewall Image: Connection Timer: TN3270E Image: Connection Timer: 15 Enable TH3270E Image: Connection Timer: 100000000 Image: Connection Timer: Image: Connection Timer: 100000000 Image: Connection Timer: Image: Connection Timer: 100000000 Image: Connection Timer: Image: Connection Timer: 1000000000 Image: Connection Timer: Im	TER 214 32
Backup Host: Ione Host Bac	Active Con TOPPorts 23
S Connection Timer: 15 Box Bypass Firewall Firew	Host Backup Host: None ~
Boc TN3270E S S C Cancel	Connection Timer: 15
Bad TH3270E S S S Bad Pypass Firewall C Enable TN3270E C Enable EMAttention Key Handling OK Cancel OK Cancel	
TH3270E C Enable TH3270E Enable Extensions Enable IBM Attention Key Handling IO0:00:000 II:001 II:00:00:000 II:00:00 II:00:00:000 II:00:00:000 II:00:00:000 II:00:00:000 II:00:00:000 II:00:00:00 II:00:00:000 II:00:00:00 II:00:00:00 II:00:00:00 II:00:00:00 II:00:00:00 II:00:00:00:00 II:00:00:00:00 II:00:00:00:00 II:00:00:00:00:00 II:00:00:00:00 II:00:00:00:00 II:00:00:00:00:00:00 II:00:00:00:00:00:00 II:00:00:00:00:00:00:00:00 II:00:00:00:00:00:00:00:00:00:00:00:00:0	
S OK Cancel OK Cancel OX Cancel	Bac Bypass Firewall
S C Cancel C C Cancel C C Cancel C C C C C C C C C C C C C C C C C C C	Boc Bypass Firewall T113270E
S С салсе!	Boc Dypass Firewall TH3270E Enable TH3270E Enable Extensions
Салсеі	Bac Bypass Firewall TH3270E Enable TH3270E Enable Extensions Enable IBM Attention Key Handling 01/001
OK Cancel	Bac Dypass Firewall TH32705 Feable TH32705 Feable TH32705 Feable Extensions O1/001
OK Cancel	Bec Bypass Firewall TH3270E Enable TH3270E Enable Extensions Enable IBM Attention Key Handling 01/001 S
	Boc Bypass Firewall TN3270E Enable TX3270E Enable ISM Attention Key Handling 01/001 00.00.000 00 01.001
	Boc TH3270E S C C C C C C C C C C C C C

- 2. In the 'Define New Connection' screen, set as follows:
 - Connection name: localhost
 - Host Address: **127.0.0.1**
 - LU Name: (Not required)
 - o TCP Port: 3270

TN3270E Properties -
Define New Connection X
TN3270 / TN3270E Connection
Connection Name: localhost
Host Address: 127.0.0.1
LU Name:
TCP Port: 3270
Backup Host: None ~
Connection Timer: 15
Bypass Firewall
C Enable TN3270E
C Enable Extensions
Enable IBM Attention Key Handling
OK Cancel
🗅 🗃 🖬 🔶 OK Cancel

<mark>SS</mark>&<mark>C∣blue</mark>prismů

3. Click OK and Apply.

4. Run your mainframe session and connect to it:



Leave the emulator screen open and connected.

If it disconnects, set the option in the session configuration to Auto Connect and Auto Reconnect

SS<mark>&</mark>C ∣ blueprism

Blue Prism Configuration

1. In the Application Modeller wizard, set Application Modeller to use **Generic HLLAPI**.

Application Modeller Wizard	?	\times
Application Modeller		
Indicate what type of application you are using Generic HILAPI IBM IAccess For Windows (We do not currently support IBM iAccess Client Solutions) (EHLLAPI) IBM Personal Communicator (COM API) IBM Personal Communicator (HLAPI) Micro Focus Attachmate Extral X-treme 9.3 (ATMAPI32) Micro Focus Infoconnect (WinHLLAPI) Micro Focus Reflection 9x and earlier (COM API) Micro Focus Reflection for Desktop 16 (.NET API) Micro Focus Reflection for Desktop 16 (.NET API) Micro Focus Rumba (EHLLAPI) OpenText HostExplorer (formerly Hummingbird) (COM API) OpenText HostExplorer (formerly Hummingbird) (EHLLAPI) Fricom PowerTerm InterConnect (HLLAPI) HP Teemtalk (EHLLAPI) NDL Active Conductor (HLLAPI) RMD (HTTP/XML) RMD (HTTP/XML) Rocket PASSPORT (COM API)		
e Back Have >	Capita	
COLK NEXT >	cance	

Click **Next** to display the second page of the Application Modeller wizard is displayed.

2. In the DLL Name field, enter the full path to the BlueZone EHLAPI32.DLL file.

Application Modeller Wizard		?	\times
pplication Modeller			
DLL Name			
C:\Program Files\Blue Prism Limited\Blue Prism Automate\ehlapi64.dll			
< Back Ne	xt >	Cance	el

Tip: To get this to work, try copying the "ehlapi64.dll" from the BlueZone installation directory into the Blue Prism installation directory.

3. Click **Next** to display the third page of the Application Modeller wizard is displayed.

Commercial in Confidence

SS<mark>&</mark>C ∣blueprism

Define the elements of an application that will be used by Object Studio Application Model belongs to this Object Application Name Filter the tree BlueZone test Element1 API Code Page Western European (Windows) [1252] DLL Name C:\Program Files\Blue Prism Limited\Blue Prism Automate\ehlapi64.dll DLL Entry Point hltapi Calling Convention Windows API Session Identifier A Select the Application Manager mode External, 64 bit mode Provide the time that the object will wait for the application to respond before throwing an exception Days	Application Modeller												
Application Model belongs to this Object pplication Explorer Application Name BlueZone test BlueZone test API Code Page Western European (Windows) [1252] DLL Name C\Program Files/Blue Prism Limited\Blue Prism Automate\ehlapi64.dll DLL Entry Point hllapi Calling Convention Windows API Session Type Standard Session Identifier A Select the Application Manager mode External, 64 bit mode Provide the time that the object will wait for the application to respond before trowing an exception Days Hours Mins Secs	efine the elements o	r an application that will be used by Object Studio											
pplication Explorer Application Name Filter the tree BlueZone test BlueZone test API Code Page Western European (Windows) [1252] Image: Chiprogram Files/Blue Prism Limited/Blue Prism Automate\ehlapi64.dll DLL Name Chiprogram Files/Blue Prism Limited/Blue Prism Automate\ehlapi64.dll DLL Entry Point hltapi Calling Convention Image: Calling Convention Windows API Image: Calling Convention Session Type Standard Session Identifier A A Image: Calling Convention Session Identifier A Duscon Identifier A A Image: Calling Convention Select the Application Manager mode Image: Calling Convention Days Hours Mins Select the Application to respond before throwing an exception Days		Application Model belongs to this Object											
Filter the tree BlueZone test BlueZone test API Code Page Western European (Windows) [1252] Image: Comparison of the test of the test of te	pplication Explorer	Application Name											
BlueZone test Element1 API Code Page Western European (Windows) [1252] DLL Name C:\Program Files\Blue Prism Limited\Blue Prism Automate\ehlapi64.dll DLL Entry Point hllapi Calling Convention Windows API Session Type Standard Session Identifier A Select the Application Manager mode External, 64 bit mode Provide the time that the object will wait for the application to respond before throwing an exception Days Hours	Filter the tree	SlueZone test											
DLL Name C:\Program Files\Blue Prism Limited\Blue Prism Automate\ehlapi64.dll DLL Entry Point hllapi Calling Convention Windows API Session Type Standard Session Identifier A Select the Application Manager mode External, 64 bit mode Provide the time that the object will wait for the application to respond before throwing an exception Days Hours	Element1	API Code Page Western European (Windows) [1252] V											
DLL Entry Point Inlapi Calling Convention Windows API Session Type Standard Session Identifier A Select the Application Manager mode External, 64 bit mode Provide the time that the object will wait for the application to respond before throwing an exception Days Hours Mins Secs		DLL Name C:\Program Files\Blue Prism Limited\Blue Prism Automate\ehlapi64.dll											
Calling Convention Windows API Session Type Standard Session Identifier A Select the Application Manager mode External, 64 bit mode Provide the time that the object will wait for the application to respond before throwing an exception Days Hours Mins Secs		DLL Entry Point											
Calling Convention Windows API Session Type Standard Session Identifier A Select the Application Manager mode External, 64 bit mode Provide the time that the object will wait for the application to respond before throwing an exception Days Hours Mins Secs		hllapi											
Windows API Session Type Standard Session Identifier A Select the Application Manager mode External, 64 bit mode Provide the time that the object will wait for the application to respond before throwing an exception Days Hours Mins Secs		Calling Convention											
Session Type Standard Session Identifier A Select the Application Manager mode External, 64 bit mode Provide the time that the object will wait for the application to respond before throwing an exception Days Hours Mins Secs		Windows API											
Session Identifier A ✓ Select the Application Manager mode ✓ External, 64 bit mode ✓ Provide the time that the object will wait for the application to respond before throwing an exception ✓ Days Hours Mins Secs		Session Type Standard											
A Select the Application Manager mode External, 64 bit mode Provide the time that the object will wait for the application to respond before throwing an exception Days Hours Mins Secs		Session Identifier											
Select the Application Manager mode External, 64 bit mode Provide the time that the object will wait for the application to respond before throwing an exception Days Hours Mins Secs		A											
Select the Application Manager mode External, 64 bit mode Provide the time that the object will wait for the application to respond before throwing an exception Days Hours Mins Secs		Select the Application Manager mode											
Provide the time that the object will wait for the application to respond before throwing an exception Days Hours Mins Secs		External, 64 bit mode											
Provide the time that the object will wait for the application to respond before throwing an exception Days Hours Mins Secs		Encirity, or bit mode											
Days Hours Mins Secs		Provide the time that the object will wait for the application to respond before throwing an exception											
		Days Hours Mins Secs											
Element Child Launch Diagnostics Application Wizar	Element Child	Launch Diagnostics Application Wizard											

- 4. Ensure the above fields are set as follows:
 - Entry Point: hllapi
 - Calling Convention: Windows API
 - Session Identifier: A
 - Select Application Manager mode: This can be either **Embedded** (matching the BlueZone emulator to the operating system), or **External, 64-bit mode** (to force the use of 64-bit software, for example).

SS<mark>&</mark>C ∣blueprism

S1 Rocket BlueZone Mainf	frame Display																-	- 0)
File Edit Session Options	Transfer Vi	iew Script	Help	m 🕨 🛍														
						_	_		_	_	_	_	_	_	_	_		_
Bluepris 0	m Ma	infr 2	ame 3	Test.	5	Syst 6	em L 7	oca 8	1e:	en-l	US	C	D	E	F			
Application Modeller					7		1 ×										الكالية ال	
Define the elements of a	an applicatior	n that will be Application	used by Obje	t Studio o this Object														
Application Explorer	Element Detail	k							~	<i>•</i>			6					
Titer the tree X	Name	Element1						Ş	n	3	-	<	5	+				
BlueZone test Element1	Description							1	- IS	<u> </u>	- £	*	+) $+$;	╶┼╴┝┓╎╴┼╴		للككل	
	Element Type	Field			 Data Type 	Text	~	С	Ñ	+ + + + + + + + + + + + + + + + + + + +		- %				++++		
	Attributes 1	Notes							 		<u> </u>		ī		ů.		الالالال	
	A Name	N	atch? Match Typ	Value				L.	2		"	2	1					
	End X		Equal)	25				n			×	-0-	− y ⊤	- P			تحديد	
	End Y		Equal)	1				q	-r-	a	•	æ		Æ	X	++++		
	Field Text		Equal)	Blueprism N	lainframe Test.			V			;		- Ý	ь	®		لككك	
	Start Y		Equal)	1 t				2	3/		۲ ۲		- A -	-				
	Start Y		- (Equal)	1				72	-74			- 2			- X		تحصي	
								H	_ I		— Õ	O	-Ò	Ó	O	$ \rightarrow \rightarrow $		
								0	R	1	û	ü	- ù -	ú	ÿ		لككك	
								2		2	ã	Ä	Ä	Ă	ž			
								I			Ň	- M	÷ V	- V	$+$ \bullet $+$			
								8	9	3	U	U	U	U				
Add Element Child	Clear				н	ghlight Id	lentify •										لكلاك	
					OK	Cancel	Apply										كلاهه	
MB 01A																	0	1/001

Note: When pressing "Launch" in the Application Modeller, beware that you are actually attaching to the emulator.