

PASSPORT Object Toolkit

PASSPORT Object Interface and Object Toolkit

The PASSPORT Object Toolkit can be used to quickly create lightweight and modest Windows desktop-based integration solutions that require access to 3270, 5250, VT, SCO ANSI or Wyse 60 host applications. The PASSPORT Object Toolkit requires use of either the PASSPORT PC TO HOST® or PASSPORT WEB TO HOST® terminal emulation software.

For host integration projects that require a more robust solution, Zephyr offers the PASSPORT Host Integration Objects, which can be deployed from either a Windows desktop or server platform.

Organizations with large call centers, including insurance and telecommunications companies, commonly use client-side legacy integration solutions because they're fast, reliable, secure and inexpensive.

The PASSPORT Object Toolkit also helps developers reuse existing Attachmate EXTRA! Objects applications with PASSPORT as a replacement for Attachmate EXTRA!.

The Object Toolkit is available free of charge to customers who license at least 500 units of PASSPORT via an annual subscription license. Using an object-enabled license code, the PASSPORT Object Interface is automatically available whenever PASSPORT is installed and no special configuration necessary.

Attachmate EXTRA!® OLE Automation Support

The PASSPORT Object Interface is compatible with the Attachmate EXTRA!® OLE API, which means existing Attachmate EXTRA!® Visual C++ or Visual Basic applications can be easily re-linked and used with PASSPORT as a replacement for Attachmate EXTRA!®. There is only one change that needs to be made to the API application: the parameter for the CreateObject statement must be changed from "EXTRA.System" to "PASSPORT.System". This statement is usually the first statement that references the API.

Sample Application

The sample application provided with the PASSPORT Object Toolkit is a web application and contains hyperlinks on a web page. Each hyperlink corresponds to an object method or property and executes a VB Script that shows how to use the specific object method or property. The sample application can be used as a starting point for your own web application as it controls the navigation of multiple terminal emulation sessions.

SYSTEM REQUIREMENTS

- *PASSPORT PC TO HOST® or PASSPORT WEB TO HOST® terminal emulation software*
- *TN3270, TN5250, VT100, VT220, VT420, SCO ANSI or Wyse 60 connection to IBM zSeries (S/390), IBM iSeries (AS/400) or UNIX® host*
- *Windows desktop*
- *Any programming or scripting language that supports the Microsoft object interface*





The PASSPORT Object Interface includes a system manager object, a collection of sessions, a session object, screen object, area object and OIA object. Also included are keypad and toolbar objects for complete compatibility with the Attachmate EXTRA!® OLE automation support interface. Complete documentation for the object interface is included with the PASSPORT Object Toolkit.

PASSPORT API Objects, Methods and Properties

Manager Object

This is the top-level object providing access to all PASSPORT objects.

PROPERTIES

ActiveSession	Returns the currently active Session object
Application	Returns the System object
DefaultFilePath	Sets or returns the default path specification as a string
FullName	Returns a string specifying the path and filename
Name	Returns the name of the object as a string
Parent	Returns the parent of the specified object
Path	Returns the path of the PASSPORT executable file
Sessions	Returns a collection of Session objects that are open
TimeoutValue	Sets or returns the number of milliseconds used by Wait
Version	Returns a string identifying the version of PASSPORT.

METHODS

Quit	Closes all PASSPORT sessions
ViewStatus	Starts the Status program

Sessions Object

This object is a collection object consisting of individual Session objects.

PROPERTIES

Application	Returns the System object
Count	Returns the number of items in the collection of objects
Parent	Returns the parent of the specified object

METHODS

CloseAll	Closes all active sessions
Item	Returns an element in the collection
JumpNext	Returns the next open session and gives it the focus
Open	Opens and returns a session, adds it to Sessions collection

Session Object

This object provides access to host data and access to PASSPORT functions. The Session object contains sub-objects, including the Screen object.

PROPERTIES

Application	Returns the System object
Connected	Returns the connection status, also connects/disconnects a session.
FullName	Returns a string specifying the path and filename
Height	Returns or sets the height of the session window in pixels
Keyboard	Locked Returns or sets the keyboard input state
Left	Returns or sets the horizontal position of the session in pixels
Name	Returns the name of the object as a string
Parent	Returns the parent of the specified object

Path	Returns the path of the session file
Saved	Returns the save status of the session
Screen	Returns the Screen object associated with the session
Top	Returns or sets the vertical position of the session in pixels
Type	Returns a value indicating session type - 3270, 5250, VT, SCO ANSI
Visible	Returns visibility status, or sets visibility
Width	Returns or sets the width of the session window in pixels
WindowState	Returns or sets the state of the session window - normal, max, min

METHODS

Activate	Makes the specified session active window
Close	Closes the session
NavigateTo	Execute a PASSPORT macro
ReceiveFile	Receives a file from the host
Save	Saves the current settings of the session
SaveAs	Saves a copy of the specified session to a new file
SendFile	Sends a file from the PC to the host

Screen Object

This object provides access to the contents of the host screen presentation space.

PROPERTIES

Application	Returns the System object
Col	Returns or sets the column position of the cursor.
Cols	Returns the number of columns in the presentation space
Name	Returns the name of the object as a string
OIA	Returns an OIA object
Parent	Returns the parent of the specified object
Row	Returns/sets the row position of the cursor presentation space
Rows	Returns the number of rows in the presentation space
Selection	Returns an Area object representing currently selected area
Updated	Returns is the Screen object has been updated

METHODS

Area	Returns an Area object with the defined coordinates
Copy	Copies the select text to the Clipboard
Cut	Removes selected text from the session and stores it in the Clipboard
Delete	Deletes the current selection.
GetString	Returns the text from the specified screen location
MoveRelative	Moves the cursor a number of rows/columns from current position
MoveTo	Moves the cursor to the specified location
Paste	Pastes Clipboard text at the current position or over the current selection
PutString	Puts text in the specified location on the screen
Search	Returns an Area object with the text specified in the search
Select	Selects the area defined by the coordinates and returns an Area object
SelectAll	Selects the entire screen and returns an Area object
SendInput	Sends the specified text to the Screen object simulating incoming data
SendKeys	Sends keystrokes to the host including function keys
WaitForCursor	Waits until the cursor is at the specified location
WaitForCursorMove	Waits until the cursor has moved the specified number of rows/cols
WaitForKeys	Waits until the user presses a key or for the specified time to elapse

WaitForStream	Waits until the specified text appears in the host data stream
WaitForString	Waits until the specified text appears on the screen
WaitHostQuiet	Waits for the host to not send data for specified amount of time

Area Object

This object provides access to a defined area of the screen.

PROPERTIES

Application	Returns the System object
Bottom	Returns or sets the ending row of the Area object
Left	Returns or sets the screen column where the area begins
Parent	Returns the parent of the specified object
Right	Returns or sets the column, specified as an integer, where Area ends
Top	Returns or sets the row where the area begins
Type	Returns or sets type of Area coordinates - top, left, bottom, right
Value	Returns or sets the text in the Area

METHODS

Copy	Copies the select text to the Clipboard
Cut	Removes selected text from the session and stores it in the Clipboard
Delete	Deletes the current selection
Paste	Pastes Clipboard text into the object
Select	Selects the object

OIA Object

This object provides host connection and status information that is contained in the Operator Information Area (OIA) of the host screen.

PROPERTIES

ConnectionStatus	Indicates the status of the host connection
ErrorStatus	Returns an integer indicating any error condition
Updated	Returns if the OIA object has been updated
Value	Returns the text in the OIA Area
Xstatus	Returns an integer indicating the status of the XClock

ZEPHYR



Zephyr specializes in TN3270E, TN5250E, VT100, VT220 and SCO ANSI host access solutions for Microsoft Windows. Whether using our PASSPORT desktop or browser-based terminal emulation, or ActiveX and .NET legacy integration, our products offer fast, reliable connectivity to legacy applications using IP-based communication.

Our impressive client list includes many notable U.S. and international firms and organizations, including Canon, Cessna, Daimler Chrysler, Hormel, Hugo Boss, Merrill Lynch, Nationwide Insurance, Otis Elevator, Saks, State of California and United Space Alliance.

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