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1 INTRODUCTION

This document contains information about the release of HostAccess 7.40j.

HostAccess is now available with or without U2 Sockets Device Licensing support. If you are unsure of the version that you require, please contact your Rogue Wave Account Manager for additional information: <http://www.roguewave.com/company/contact-us.aspx>

2 HOST32.EXE PROGRAM

2.1 New Features and Enhancements

2.1.1 (HA-282) New Support for Windows 8 Added

HostAccess has been certified to run on Windows 8. HostAccess has been tested on Windows 8.1 and is supported.

2.1.2 (HA-120) Updated System Menu Options

Inserting and deleting OLE objects from the System menu has been removed.

2.1.3 (HA-124) Updated Launch of Applications via AiF

HostAccess had a potential issue where it could fail to launch an application via AiF. The previous version of HostAccess called *WinExec()*, which is no longer supported. HostAccess has been updated to use *CreateProcess()* instead.

2.1.4 (HA-128) Updated Answerback String to Use an Environment Variable

For those emulations that support the Answerback feature, the answerback string can optionally be retrieved from an environment variable. For example, given an environment variable *USER=JANE*, setting the answerback string to *%USER%* returns the answerback message *JANE*.

2.1.5 (HA-221) Upgraded HostAccess Installers

MSI installations now use the InstallShield 2012 Spring v 19.0.0.160 for improved Windows 8 support.

2.1.6 (HA-271 – HA-274, HA-287, HA-293) Upgraded Documentation

- Updates to Chart and Grid ActiveX controls on page 94 of Chapter 2 of the *Developers Guide*.
- Updates to Controls and Macros in the Common Problems section of the *Developers Guide*.
- Updates to the PICK Integration in Chapter 1 of *Installing and Uploading Host Programs*.
- Addition of *Mapping Exception for Monitors with EBCDIC* to the *User Guide*.
- Removed outdated VBX and Grid control references in the *Integration and Developer Guides*.

2.2 Fixed Issues

2.2.1 (HA-106) Modify Help Menu Files to Work with Windows 7 and Windows 8

WinHelp (*.hlp) has been replaced with Microsoft's compiled help manuals (*.chm).

2.2.2 (HA-159) Specific Host32.exe Functionality May Fail When Run Under UAC

A manifest file, host32.exe.manifest, has been added which facilitates interaction with the User Account Control features of Windows 7 and higher.

2.2.3 (HA-165) HostAccess Does Not Work With a USB Modem

HostAccess has been updated to display modem information.

2.3 Known Issues

2.3.1 (HA-21) Screen Compresses Vertically After Using 132 Column Mode

There are certain scenarios where the HostAccess screen compresses vertically after using the 132-column screen mode. This can be corrected by resizing the screen.

2.3.2 (HA-315) AiF Utilities Displaying Images

2.3.3 (HA-281) Display Driver Incorrectly Displayed for Windows 7 or Higher

On Windows 7 and higher, the display driver information is incorrectly displayed as "Unknown."

2.3.4 (HA-310) Windows Version Information is Not Displayed Correctly

In the **About** dialog box on Windows XP and Windows 8 the Windows Version is incorrectly displayed as "Unknown Platform."

2.3.5 (HA-288) Run As Administrator Not Checked by Default

The shortcut for host32.exe that is placed on the **Start Menu** does not have the *Run as Administrator* option checked. It is recommended that this option be checked before running HostAccess so that all features work properly.

To enable this option, right click on the shortcut and select **Properties**. On the **Compatibility** tab, under the **Privilege Level** group, check *Run this program as an administrator*.

2.3.6 (HA-295) Pass to Windows Applications from the Command Menu

The *Pass to Windows Applications* call from the **Command** menu in the EASY.ACCESS.GUI tool, is not allowed on Onware (Release 3.4 Build 312). To work around this, use the EASY.ACCESS.GUI program for file transfer to Windows applications.

2.3.7 (HA-296) Microsoft Attack Surface Analyzer Security Issue

The Microsoft Attack Surface Analyzer reports the following problems:

1. License sub folder can be manipulated by Everyone
2. HKEY_CLASSES_ROOT\Session.Setting can be manipulated by Everyone
3. HKEY_CLASSES_ROOT\CLSID{DA0DBD41-8576-11D0-81C0-0080489EE34E} can be manipulated by Everyone
4. HKEY_CLASSES_ROOT\CLSID{4f794a30-6229-11cf-b6e9-0000c024e40e} can be manipulated by Everyone.

Workaround:

In the <install>\License sub-folder change the security permissions as follows:

1. Select the License folder, right click and select **Properties**.
2. On the **Security** tab, change the permissions from **Everyone** to **Authenticated Users**.
3. Give the following permissions in the **Security** properties:

Administrators to **Full Control**

Users to **Read**

SYSTEM to **Full Control**

2.3.8 (HA-298) Transfers from EASY.ACCESS.GUI Display Ellipses

When a file is transferred to Excel from HostAccess, some column headers in Excel have ellipses, which do not disappear with the increase of column width.

2.3.9 (HA-300) File Transfers Show Intermediate Names

While transferring a file to a Windows application (Excel, Word, etc.), a dialog shows up with the name for an intermediate file. The name of this intermediate file is different for each system. For example, Onware might use just a number for the name, "5." On UniVerse the name might use "PIX.OUTPUT.<number>.F" such as PIX.OUTPUT.3348.F.

2.3.10 (HA-302) Passwords are Displayed as Unencrypted Text in a Journal

If journaling is enabled at the beginning of a session, when the user types a password, the password is logged in the journal. To work around this, the journal should be enabled after logging in, instead of at the beginning of the session.

2.3.11 (HA-304) Pasting Text Into a Textbox Causes the Session to Disconnect

In some cases, pasting text into a textbox may cause the current session to disconnect. Type the text rather than pasting it into the field to work around this problem.

2.3.12 (HA-305) License Key is Replaced with a 30-Day Evaluation Key

The Modify or Repair option of the installer replaces a permanent product key with a 30 day evaluation license. A workaround is to:

1. Copy the License Key from the License Manager OR from the **General** tab in HostAccess's **About** box prior to re-running the installer in maintenance mode.

2. Run the installer.
3. Run the License Manager again.
4. Replace the evaluation key with the one you previously copied from the License Manager OR copy the License Key from your HostAccess License Certificate (PDF).

2.3.13 (HA-306) Windows Version is Not Displayed

For Windows Server 2008 R2, in the 'Environment' tab of the HostAccess 'About' dialog, the Windows Version is incorrectly displayed as Windows NT 6.1 Build 7600.

2.3.14 (HA-307) Echo to Printer Infinite Loop

If a Default Printer is not setup and *Echo to Printer* is enabled, the Host32.exe app crashes in an infinite loop. The workaround for this is to install a default printer.

1. Go to the **Start Menu** and select **Devices and Printers**.
2. Select **Add Printer** and follow the installation instructions.
3. Make sure that the new printer is the default printer.

3 HOST PROGRAMS (aka HOSTPROGS)

The following issues relate to PICK BASIC code.

3.1 New Features and Enhancements

3.1.1 (HA-84, HA-93) PIX.WIN.DISPLAY.IMAGE Extended Image Support

Extended PIX.WIN.DISPLAY.IMAGE to provide support for JPG, BMP, PNG, GIF, ICO, WMF, EMF, and TIFF image types. HostAccess now uses the 'Windows Picture and Fax Viewer' when loading these image types. For further details, refer to *Display a Windows image or Applications Integration* in the *Host Integration Guide*.

3.1.2 (HA-113) TCP_NODELAY Option

TCP_NODELAY is now provided as an option for all socket protocols. This option improves performance when using the SSL protocols.

3.1.3 (HA-311) PIX.TERMITE.DIRECTORY.PATH.TYPE PICK Record

This release includes a new PICK function, *PIX.TERMITE.DIRECTORY.PATH.TYPE(Path.Type,Path)*, that distinguishes between server and workstation or local path directories. A PATH.TYPE of 2 selects the user's local temp directory. A PATH.TYPE of 9 selects the installation directory of HostAccess.

3.2 Fixed Issues

3.2.1 (HA-109) PIX.GET Causes an Array Out of Bounds Error

The column values in five arrays in PIX.GET.DIMENSIONS.INIT in PIX.GET were increased from 50 to 400.

3.2.2 (HA-114) Performance of PIX.SCULPTURE.LINE/BOX via SSL

Drawing performance was improved when connecting via SSL.

3.2.3 (HA-115, HA-292) Erroneous Data Returned From Edit Box

The erroneous string "isT6is" that was appended to the end of dates entered into an edit box has been removed.

3.2.4 (HA-116) Contents of a Date Validated Edit Box Not Read Correctly

After setting the contents via AiF, the date now reads correctly.

3.2.5 (HA-129) Account Upgrade Does Not Remove Existing VOC Entries

PIX.INSTALL.HOST correctly updates a second account, one or more times, from a master account. This does not work on UniVerse.

3.2.6 (HA-138) Easy Access Returns Incorrect Item IDs

The column labels and data now transfer without error when using the Onware port.

3.2.7 (HA-81) EASY.GUI Sentence Editor Cannot Handle Semicolons

This issue caused EASY.GUI to incorrectly handle semicolon characters within the SELECT field. EASY.GUI will now correctly handle semicolons in both display and data storage.

3.2.8 (HA-91) Format Error When Transferring to Microsoft Excel

When passing data to Microsoft Excel 2007/2010, the following error is displayed:

"The file you are trying to open, '[filename]' is in a different format specified by the file extension."

This issue caused Microsoft Excel to display a warning message when running PASS.TO.EXCEL. The issue was related to HostAccess using the DIF file format with a TMP extension. HostAccess now uses the DIF file extension for DIF formatted files.

3.2.9 (HA-149) PASS.TO.WORD with Word File in Compatibility Mode

PASS.TO.WORD was updated to allow transferring to Microsoft Word files in compatibility mode. For more information on compatibility mode refer to the following Microsoft article:

<http://support.microsoft.com/kb/2117661>

3.3 Known Issues

3.3.1 Problems with the UniData installation

This issue causes problems with the UniData keyboard buffer while uploading the INSTALL.UNI file and can cause the command to CATALOG the PIX_LOADER program before it has finished uploading. If you experience this issue:

1. Catalog the program manually using CATALOG PIX.PROGS.F PIX_LOADER DIRECT FORCE
2. Run the bootstrap manually using RUN PIX.PROGS.F PIX_BOOTSTRAP
3. After choosing the UniData machine type, the program PIX_DOS_PICK is uploaded but fails to compile, the problem is that the first line "SUBROUTINE PIX.DOS.PICK(BHC,BHB,DHX,BHY,CHK,EHC)" gets repeated several times. Clear the screen by selecting System->Reset Screen.
4. Edit the program by using ED PIX.PROGS.F PIX_DOS_PICK and remove the extra copies of the first line.
5. Compile the updated program using BASIC PIX.PROGS.F PIX_DOS_PICK
6. Catalog the compiled program using CATALOG PIX.PROGS.F PIX_DOS_PICK DIRECT FORCE
7. Re-run the PIX_INSTALL program and choose UniData again, the install will now proceed correctly.

4 HOSTACCESS.DEMO

4.1 Fixed Issues

4.1.1 (HA-135) "Nothing to Call" Error

The HOSTACCESS.DEMO program now runs without displaying the "Nothing to Call" error.

4.1.2 (HA-142, HA-257, HA-311) Incorrect Image Location Causes DEMOS to Fail

The HOSTACCESS.DEMO program was updated to use the Install directory for locating images and updated to use the user's Temp directory to copy files.

4.2 Known Issues

4.2.1 (HA-270) Changing an Image on a Button With PIX.GUI

The AiF image display feature uses image caching when displaying images, and as a result, when loading a control that has images and then unloading that control, there are residual artifacts left behind.

Workarounds:

Create a few similar controls with different images and hide all of them except for the current image.

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```
CALL PIX.GUI.LOAD.PUSHBUTTON("", "HELP, PUSHBUTTON, 65, 8, 9, 2, C:\Program
Files\Rogue Wave\HostAccess\7.40j\HADEMOS\BITMAPS\DELCOL.BMP", "")
CALL PIX.GUI.LOAD.PUSHBUTTON("", "HELP1, PUSHBUTTON, 65, 8, 9, 2, C:\Program
Files\Rogue Wave\HostAccess\7.40j\HADEMOS\BITMAPS\DISCOVER.BMP", "")
CALL PIX.GUI.CONTROL.HIDE("", "HELP1, PUSHBUTTON, 65, 8, 9, 2, C:\Program
Files\Rogue Wave\HostAccess\7.40j\HADEMOS\BITMAPS\DISCOVER.BMP", "")
CALL PIX.GUI.CONTROL.HIDE("", "HELP, PUSHBUTTON, 65, 8, 9, 2, C:\Program
Files\Rogue Wave\HostAccess\7.40j\HADEMOS\BITMAPS\DELCOL.BMP", "")
```

Alternatively, you can use the HostAccess Image ActiveX control - which does not cache the image.

```
PRINT ESC: "_201;1;10;45;9;30wIMAGE;Pixel.Image" :ESCE
PRINT ESC: "_203wIMAGE;Caption;": "f=C:\Program Files\Rogue
Wave\HostAccess\7.40j\HADEMOS\BITMAPS\DISCOVER.BMP":ESCE
PRINT ESC: "_10wIMAGE":ESCE:
```

4.2.2 (HA-275) GUI Easy Access Demo Crashes When Loading Files

With Onware, the EASY.ACCESS.GUI demo may crash when clicking on the button **Files**. Type the file name in the box instead of clicking **Files** to work around this problem.

4.2.3 (HA-277) GUI ActiveX Car Demo Fails to Change Images

In the ActiveX Car demo, changing the vehicle's make and model selection and then double clicking on the selection in the listbox should change the picture.

4.2.4 (HA-259, HA-262, HA-278, HA-279) Obsolete URL is Displayed

The Active X Car Demo displays the old address and phone number for Pixel Innovations is displayed. This is no longer valid contact information.

4.2.5 (HA-301) Listboxes Close When Any Item in Selection Box is Selected

In the HOSTACCESS.DEMO, some dialogs exit the demo when a list item is selected.