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ACR/Summary and ACR/Detail

Installation Guide

For Windows

Notices

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1

Introduction

This chapter provides an overview to this guide and includes the following sections:

- "About This Guide" on page 5

About This Guide

This guide provides installation and licensing instructions for the following products

- ACR/Summary and ACR/Detail Server and Clients.
- ACR/Workbench.

Audience

This guide is intended for the person who will install and/or upgrade the products listed above.

Organization of Information

Chapter 1, "Introduction" describes the components of the guide and provides information for contacting Customer Support.

Chapter 2, "Installing ACR/Summary and ACR/Detail Server" includes system requirements and instructions for installing the Server and, for first-time installations, installing the Net Express licensing key.

Chapter 3, "Configuring and Licensing the Server" explains how to configure the server and how to activate and maintain your licensing.

Chapter 4, "Installing a Client" includes system requirements and instructions for installing ACR/Summary Client or ACR/Detail Client.

Chapter 5, "Installing and Licensing ACR/Workbench" provides system requirements and instructions for installing and licensing ACR/Workbench.

Chapter 6, "Upgrading from a Pre-Release 4.0 Release" provides instructions for upgrading ACR/Summary and ACR/Detail Server and ACR/Workbench from a release previous to Release 4.0.

2

Installing ACR/Summary and ACR/Detail Server

This chapter provides directions for installing ACR/Summary and ACR/Detail Server. It contains the following sections:

- "System Requirements for the Server" on page 7
- "Overview of Server and Client Installation and Setup Steps" on page 7
- "Installing the Product" on page 8
- "Increase the Maximum File Size (Optional)" on page 10
- "Setting Up Java and COBOL Environment (Optional)" on page 10
- "Licensing Key" on page 11

System Requirements for the Server

Contact Infogix Support to get information about the minimum system requirements for the ACR/Summary and ACR/Detail Server.

Overview of Server and Client Installation and Setup Steps

The steps for installation and setup of the ACR/Summary and ACR/Detail Server and Client(s) are as follows. Where additional detail is needed, the steps provide references to the appropriate sections.

1. Before installing the server, do the following:
   - Ensure that you the ACR/Summary and ACR/Detail Server installers.
   - Ensure that you have administrator rights for the system where you will install ACR/Summary and ACR/Detail Server.
   - Verify that the system where you plan to install the server meets the requirements described in the next section.
   - Determine whether you will use dual install, as described in the next step.

2. If you are upgrading from a previous release, uninstall the old release only if appropriate:
   - If you want to install and test the new release of the Server while continuing to support the old release (this is called a dual install), do not uninstall the old release.
   - If you do not want to perform a dual install, stop the service on the Server Properties dialog box and uninstall ACR/Summary and ACR/Detail Server using the **Add or Remove Programs** option on the Control Panel.
3. Run **iACRSumDet Server.exe** and follow the wizard prompts (see "Installing the Product" on page 8).
4. Increase the maximum file size if appropriate (see "Increase the Maximum File Size (Optional)" on page 10).
5. If this is the first installation of ACR/Summary and ACR/Detail Server, install the licensing key (see "Licensing Key" on page 11).
6. If this is the first installation of ACR/Summary and ACR/Detail Server, create a New User account for the Server that will be used to log on to the service, start and stop the Server, configure the Server, and activate and maintain the licensing (see "Creating a Logon Account" on page 13.
7. Set up or modify properties of the Server in the Server Properties dialog box (see "Setting and Modifying Server Properties" on page 17.)
8. Implement or update your licensing as appropriate. See "Implementing and Maintaining Your Licensing" on page 22.
9. If you are upgrading from a release previous to Release 4.0, you must follow the instructions for your product in "Upgrading from a Pre-Release 4.0 Release" on page 39.
10. If you are installing an upgrade, uninstall existing clients using the **Add or Remove Programs** option on the Control Panel.
11. Install the ACR/Summary Client and/or ACR/Detail Client on user PCs (see "Steps for Installing a Client" on page 31.

Installing the Product

Note: Before you begin, review the "Overview of Server and Client Installation and Setup Steps" above. Ensure that you have uninstalled the previous release only if you do not want to use the dual install feature described in step 2 on page 8.

1. Run **iACRSumDet Server.exe** program to install the product.
2. On the Welcome page, click **Next**.
3. On the Select Destination Directory page, accept the default installation directory, or browse for the directory you prefer.

   The default installation path is: **C:\Infogix\SumDetServer**.
4. Click **Next**.
5. On the Communication Parameters page, accept the defaults for the administration and user port numbers, or enter the port numbers that apply in your environment.

   The **Administration port number** is used for starting and stopping the ACR/Summary and ACR/Detail Server.

   The **User port number** is used by the clients to communicate requests to the server for ACR/Summary and ACR/Detail services. Some examples of ACR/Summary services are updating the definition database and performing balancing. ACR/Detail services include updating the definition database and performing reconciliation

Note:	The user port number you enter here must also be entered in the Add/Edit Configuration dialog box of the ACR/Summary and/or ACR/Detail Client on the user's PC.

   Typically, the default port numbers are not in use by any common protocol such as FTP, SMTP, SNMP, or HTTP. However, another software product installed on your system may use these ports. If this is the case, you will need to select different port numbers that are not already assigned to another service.

   The Administrative and User Port numbers must be different. For instance, you cannot enter 3000 for both. Valid port numbers are between 1 and 65535.
6. Click **Next**.
7. On the Log File Options page, if you want the ACR/Summary and ACR/Detail Server to log the processing messages that it issues, make sure that the **Write messages to log file** check box is marked.

   By default, the ACR/Summary and ACR/Detail Server will log messages in the **SumDetSv.log** file. The log file will be located in the same folder where the ACR/Summary and ACR/Detail Server is installed. If you prefer to save the log file in a different folder, click **Browse**. Messages will be retained in the log file for 30 days, unless you specify a different time period.

8. Click **Next** to review the installation parameters.
9. If you are satisfied with the information shown, click Next to perform the installation.

   Otherwise, click **Back** to go back to previous pages so you can change the installation parameters. You can also change settings for the Communication and Logging parameters after installation through the Server Properties dialog box. See "Setting and Modifying Server Properties" on page 17.
10. When the Installation Completed page appears, click **Finish** to complete the installation.
11. If you are prompted to restart the computer, click **OK** in the Install dialog box. Otherwise, restart your computer after you have completed Chapter 3, "Configuring and Licensing the Server."

    You can now proceed to the next section, "Licensing Key."

Increase the Maximum File Size (Optional)

ACR/Summary and ACR/Detail ship with environment variable FILEMAXSIZE=4. This setting will be appropriate for users who always use a file input size of 4GB or less. If you use input files greater than 4GB, you will have to override this value by setting FILEMAXSIZE=8 (no limit) in the extfh configuration file.

To override the environment variable FILEMAXSIZE, create the file extfh.cfg, and add the following two lines:

```
[XFH-DEFAULT]
FILEMAXSIZE=8
```

Then, modify the batch run .skl or .bat file to set the new variable. Add a line after the SET COBCPY= command line:

For ACR/Detail, add:

```
SET EXTFH=C:\Infogix\Detail32\extfh.cfg
```

For ACR/Summary, add:

```
SET EXTFH=C:\Infogix\Summary32\extfh.cfg
```

Setting Up Java and COBOL Environment (Optional)

To retrieve Infogix Assure history, you can use the ACR/Summary's Infogix Assure History retrieval feature.

Infogix Assure provides a web service for the history retrieval. A Java Virtual Machine (JVM) provides the necessary run-time environment to execute Java based applications or web services.

To execute a Java based web service, set the following environment variables for COBOL and Java run-time systems:

Environment Variable	Description
PATH	A 32-bit Amazon Corretto Java run-time system **jvm.dll** file must be available on your machine. The location of the file depends on the JDK version. You must add the file location to the system PATH variable. For example: SET PATH=jdk-install-directory\bin\subdirectory;%PATH%
CLASSPATH	To provide access to Java classes that are interfaced to a COBOL run-time system, add the **WebServiceGateway.jar** file location to the CLASSPATH environment variable. For example: SET CLASSPATH=C:\Infogix\SumDetServer\Cobol\WebServiceGateway.jar;%classpath%

Licensing Key

The compilers used by ACR/Summary and ACR/Detail on Windows and Unix/Linux platforms have been updated in ACR 9.4.

You will have to install the new license using the Micro Focus License Manager. Please contact Infogix Support prior to the upgrade to get the license file.

Licensing Key

If this is the first installation of an ACR/Summary and ACR/Detail Server after upgrading from ACR release 9.3 or before, you must install the licensing key. If you know the proper licensing key is already installed, skip this section.

Note: After the licensing key is installed, you will still need to implement and maintain your licensing. Instructions will be provided in the next chapter in the section Implementing and Maintaining Your Licensing on page 22.

To install the licensing key, do the following:

1. The installer to install the license manager is included in the product installation files. Use lmsetupx86.msi for ACR 32-bit version, or lmsetupx64.msi for ACR 64-bit product version.
2. Run as administrator, lmsetupx86.msi for ACR 32-bit version, or lmsetupx64.msi for ACR 64-bit product version.
3. Click “Next” by accepting the default values in the subsequent screens in the wizard.
4. Launch “License Administration” from Windows Start Menu > Micro Focus License Manager
5. In the Install tab, click Browse. Select the license file provided by Infogix Support.
6. Select “Install Licenses” to install the license.

3

Configuring and Licensing the Server

This chapter provides instructions for configuring and licensing ACR/Summary Server and ACR/Detail Server. It contains the following sections:

- "When You Do Not Have to Create a Logon Account" on page 13
- "Creating a Logon Account" on page 13
- "Starting the Service" on page 15
- "Setting and Modifying Server Properties" on page 17
- "Implementing and Maintaining Your Licensing" on page 22
- "Upgrading from a Pre-Release 4.0 Release" on page 30

Note: If you are upgrading from a release previous to Release 4.0, after you complete the steps in this chapter, you must follow the instructions for your product in Upgrading from a Pre-Release 4.0 Release on page 39.

When You Do Not Have to Create a Logon Account

You do not have to create a logon account for the server in the following situations:

- You are upgrading to a new release and have already created a user account.
- You already have an account that has the appropriate level of administrative privileges and access to other network directories.

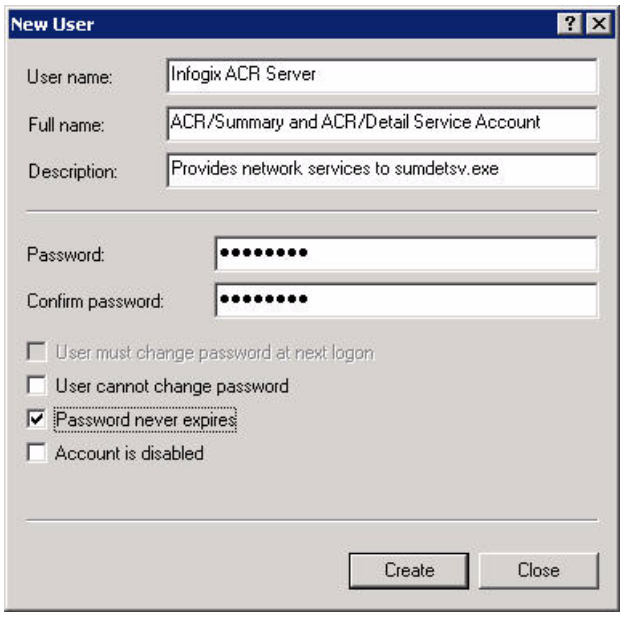
Creating a Logon Account

Create a new user logon account as follows:

1. Select **Start**.
2. Do one of the following:

- On Windows 7, select **Start > Control Panel > Administrative Tools**. If you do not see **Administrative Tools** in the Control Panel icons, above the right corner of the list, select **View by > Small icons**.
- On Windows Server 2008 or Windows Server 2012, select **Start > Administrative Tools**.

3. Navigate to **Computer Management > Local Users and Groups > Users**.
4. Highlight **Users**, and select **New User**.
5. When the New User dialog box displays, create it following the instructions below.



a. Enter the **User name**, **Full name**, and **Description** fields. You can copy the names and description shown New User dialog box sample above or use your own.

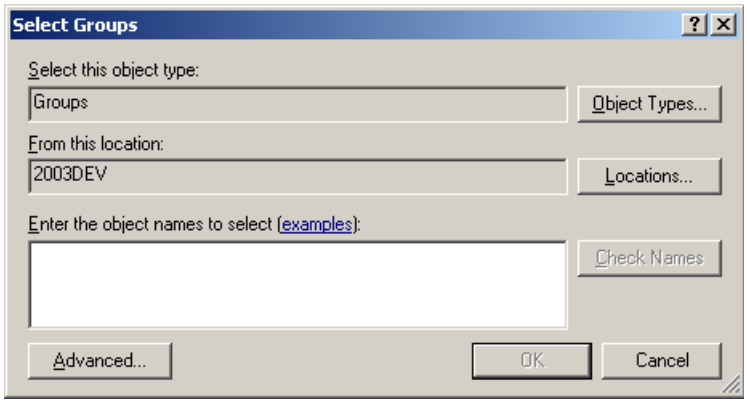
b. Enter a **Password**.

> **Note:** If input files for ACR/Summary or ACR/Detail jobs reside elsewhere on your network, make sure the username and password you specify are authorized to access the directories where those files reside.

c. Disable the **User Must Change Password at Next Logon** option.

d. Enable the **Password Never Expires** option.

6. Click **Create > Close** to return to the previous window.
7. In the Local Users and Groups window, select **Users** to display the Select Groups window.
8. In the Select Groups window, enter **Administrators** in the object names area text box. (The contents of **From this location** will vary depending on your Windows version.)



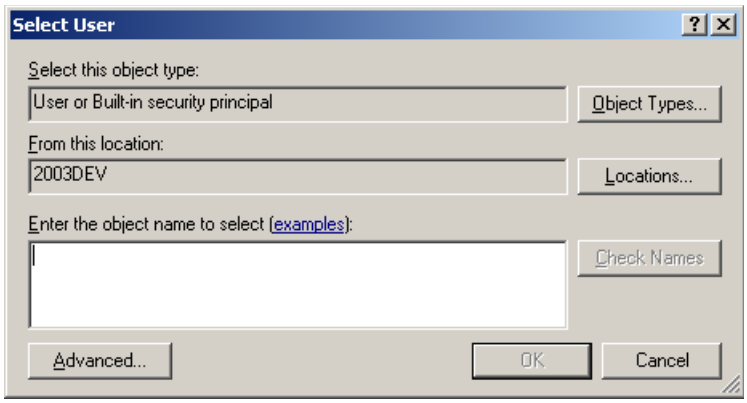
9. Click the **Check Names** button to display the full object name.
10. Click **OK** to accept. Click **OK** again to create the account. The Member Of tab shows that the ACR/Summary and ACR/Detail Server is a member of the Administrators and Users groups. If appropriate, you can also make the account a member of additional groups.

To start the service, go to the next section.

Starting the Service

1. From the Control Panel, select **Administrative Tools > Services > ACR SumDet Server x.x**, where x.x represents the release number. Including the release number in the service name allows you to install multiple releases on the same machine.
2. When the Properties dialog box displays, click the **Log On** tab.
   a. For **Log on as**, select This account.

3. Enter the ACR/Summary and ACR/Detail account you created. (If you did not create a new user account, enter an account name that has the appropriate level of administrative privileges and access to other network directories.) Or click **Browse** to open the Select User dialog box. (The contents of **From this location** will vary depending on your Windows version.)



4. If you use the Select User dialog box, click the **Check Names** button to display the full account name. Then click **OK** to close and return to the Properties dialog box (Log On tab).)
5. Type in the account's **Password**. You need to do this, even though the asterisks in the Password field make it look like a password has already been entered.
6. On the **General** tab, change the Startup type to **Automatic** if you want the ACR/Summary and ACR/Detail Server to automatically start up each time you reboot. Otherwise, whenever you reboot, you will have to start the server from the Services dialog box.

Note:	The folder names for the path listed in **Path to executable** are truncated to eight characters. The full name of this path is: **C:\Infogix\SumDetServer\sumdetsv.exe**

7. Click **Start > OK**. The ACR/Summary and ACR/Detail Server is now ready to process requests from an ACR/Summary client or the ACR/Detail client. Review the information on "Setting and Modifying Server Properties" on page 17 to verify the default settings or establish settings for e-mail notification or an ACR/Connector configuration.

Setting and Modifying Server Properties

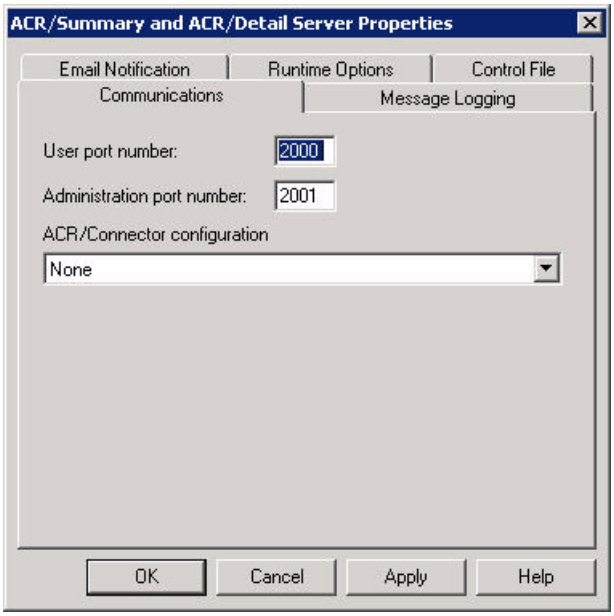
Once you have created a logon account, you can set up and modify properties of the ACR/Summary and ACR/Detail Server in the Server Properties dialog box. Properties include communications, e-mail notification, message logging, and runtime options, as well as the licensing Control File. Some of these properties are set during installation of the server, while others can only be specified in the Server Properties dialog box. For example, if you want to select an ACR/Connector configuration or activate the e-mail notification feature, you must specify the appropriate settings in the properties dialog box.

To display the ACR/Summary and ACR/Detail Server Properties dialog box, select the **ACR SumDet Server x.x** icon (where x.x represents the release number) on the Control Panel. The upcoming sections describe the properties on each tab.

Note: **64-bit systems:** If you are running the server on a 64-bit system, the **ACR SumDet Server x.x** icon does not appear on the Control Panel. Instead, Windows redirects all 32-bit applications to another location. To set the server properties, open ACRPlusCplxx.cpl (ACR/Summary and ACR/Detail Server Properties application) in the appropriate 32-bit SysWOW64 folder (C:\WINDOWS\SysWOW64).

Communications

The Communications tab shows port number settings and optional ACR/Connector configuration selection.



The **User port number** and **Administration port number** display the Communication Parameters established during installation, as described in step 5 on page 9. The example above shows the default port numbers that are generally used. If it is necessary to change the port numbers due to a conflict with some other software, click **Help** for details.

If your ACR/Summary or ACR/Detail installation includes ACR/Connector, select the configuration name to enable. Do not select an ACR/Connector configuration unless you want to activate ACR/Connector for all jobs running on the server.

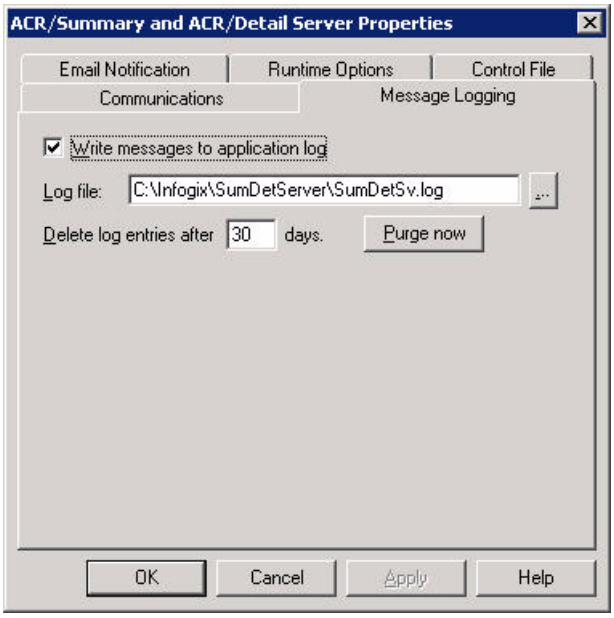
Keep in mind that the ACR/Connector IN/Sync feature lets ACR/Connector launch other applications on other platforms (such as the mainframe) depending on the outcome of specific ACR/Summary or ACR/Detail jobs. This is desirable when jobs are running in production on the ACR/Summary and ACR/Detail Server. For example, suppose your organization has a system that can issue pager messages. You might have IN/Sync tell the paging system to send a pager message whenever a particular job issues a return code corresponding to a specified out-of-balance condition.

When users are setting up and testing ACR/Summary or ACR/Detail jobs, they probably won't want IN/Sync to launch other applications based on the jobs' outcomes. In the example above, it would be annoying for a supervisor to receive a pager message each time a test job was out of balance. This could happen if IN/Sync was set up to trigger a pager message for a production job that had the same name and issued the same return code as a test job.

If you are using ACR/Connector, the best way to avoid unexpected results may be to set up two ACR/Summary and ACR/Detail Server installations—one for testing and one for production. Then, implement the IN/Sync feature on the production server, but not on the test server. Users can switch from testing to production by running their jobs on the appropriate server. For more information, see the ACR/Connector Installation and User Guide.

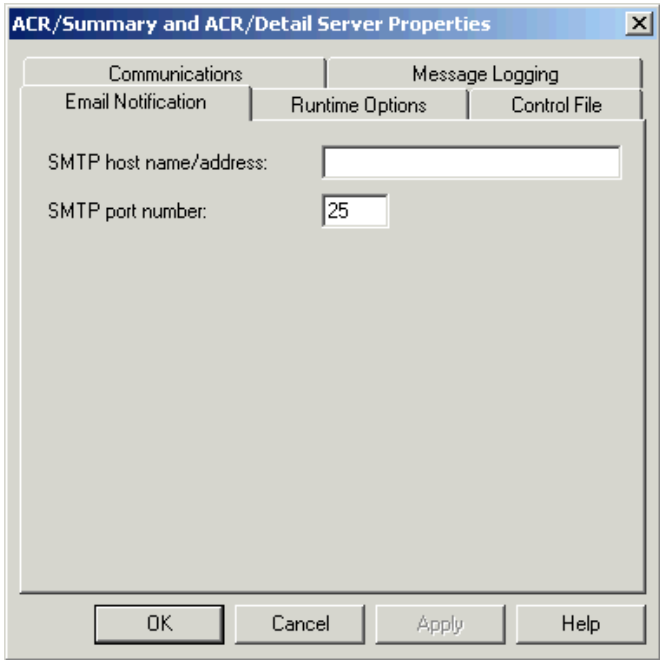
Message Logging

The Message Logging tab displays the Log File Options established during installation, as described in step 7 on page 9. Messages are automatically deleted from the log after the set number of days. The **Purge now** button enables you to delete all the log entries at any time. Click **Help** for details.



E-mail Notification

To activate the ACR/Summary and ACR/Detail e-mail notification feature, specify the host name/address and port number of your SMTP Internet mail server. Click **Help** for details.

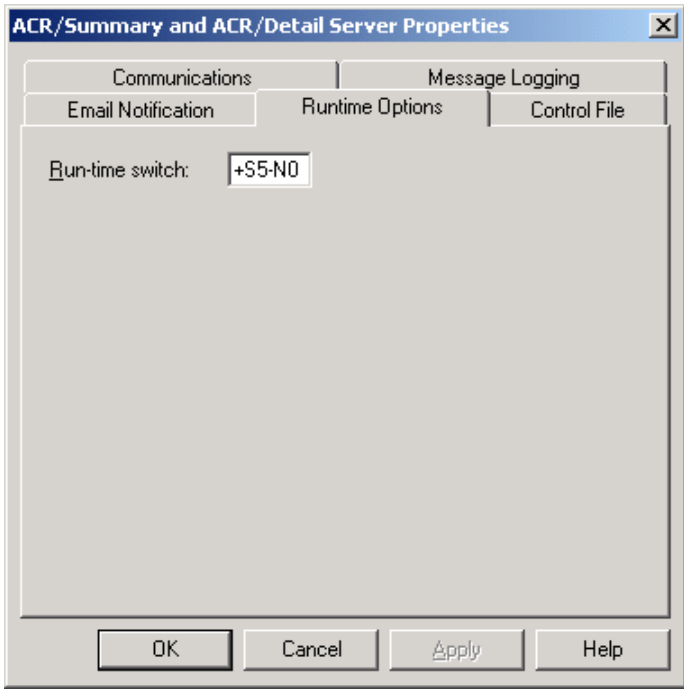


For **SMTP host name/address**, enter the host name or IP address of your Internet mail server. For **SMTP port number**, accept 25 unless your mail server has a different port number.

Once you specify this information, ACR/Summary and ACR/Detail jobs that run on the server will be able to issue e-mail messages when they are out of balance. The user specifies the message to send and the e-mail address where the message should be sent. The message and e-mail address are specified in the Messages dialog box of ACR/Detail or the Direct Messages dialog box of ACR/Summary.

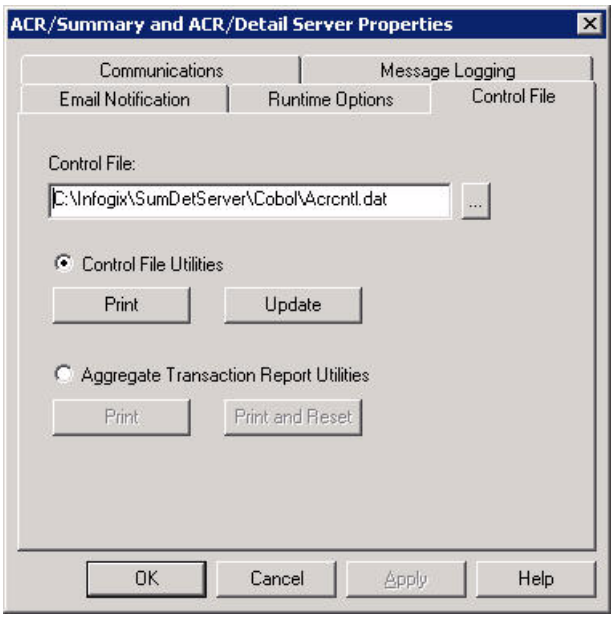
Runtime Options

The Runtime Options tab should keep the default setting of +S5–NO for the **Run-time switch**. Do not change this setting unless told to do so by Customer Support.



Control File

The Control File tab is documented in the following section on "Implementing and Maintaining Your Licensing". Use the Control File tab to activate or update your product license.



Implementing and Maintaining Your Licensing

The ACR/Summary and ACR/Detail Server includes a Control File that enables and controls access to your product in accordance with your license agreement. This section shows you how to do the following:

- Update your Control File.
- Generate the TM Aggregate Transaction Report, if requested.

Updating a Control File

There are several situations when you need to perform this update. The most common include:

- When you install the ACR/Summary and ACR/Detail Server for the first time.
- When the terms of your license have changed.
- When your license for ACR/Summary and ACR/Detail is about to expire, as indicated by warning or error messages in your SYSOUT.

- When you want to run the product(s) on a machine with a host name that is not currently included in your license.

Generating the Licensing Report(s)

To generate the Product Report (file name UNI10PR.RPT), install and open the ACR/Summary and ACR/Detail Server and select the Control File tab from the server properties dialog box.

1. Complete the **Control File** field with the fully qualified name of the Control File specified during installation. To browse for the Control File (acrcntl.dat), click the button next to the field.

   For example, if you accepted the default location during installation, the fully qualified name is:

   `C:\Infogix\SumDetServer\Cobol\acrcntl.dat`
2. Select **Control File Utilities**.
3. Click **Print**.

   The following report(s) will display in a new window:
   - The Product Report (UNI10PR.RPT) displays the current licensing information from the Control File.
   - If the Control File has ever included Transactional Measurement (TM) licensing, a Transactional Measurement Report (UNI10PRA.RPT) will be generated.

Note:	If the TM column in the Product Report has the value of N (No), the TM licensing shown in the Transactional Measurement Report for that product is not currently in effect.

4. Click **Print** to print the report(s).
   Following are examples of each report.

Product Report (UNI10PR.RPT)

```
releasenumber                PRODUCT REPORT   COPYRIGHT INFOGIX,INC.
DATE: 03042                                              PAGE:            1
TIME: 13:21                                              REPORT:     UNI10PR

FILENAME: "C:\Infogix\SumDetServer\Cobol\Acrcntl.dat"
CUSTOMER:     INFOGIX, INCORPORATED
PAGE:060  WAIT:0900  RES:Y  I-RET:0000  W-RET:0000  E-RET:4000  UPDATE:004


PRODUCT  EXP  GRACE AUTH    TYPE TM  MODEL ID    HOSTNAME
U/SUM   99/999   7  ALL      H   N               001234X86X
                                                 111111/11112222222222333333333344444444445555555556666666666
                                                 3333334444
                                                 5555556666
                                                 7777778888
                                                 9999990000
                                                 2222224444
                                                 2222221111
VIOLATION:   FIRST DATE   LAST DATE   HOSTNAME           TYPE
              00/000       00/000                       HARDWARE
```

Transactional Measurement Report (UNI10PRA.RPT)

```
  releasenumber   TRANSACTIONAL MEASUREMENT REPORT   COPYRIGHT INFOGIX, INC.
  DATE: mm/dd/yy                                          PAGE:           01
  TIME: 15:20                                             REPORT:    UNI10PRA

  CUSTOMER:     Infogix, INCORPORATED
   PAGE:060  WAIT:0900  RES:Y  I-RET:0000  W-RET:0000  E-RET:4000  UPDATE:002

             ---------------LICENSE-------------     ---------RUNNING--------
PRODUCT TM   IND             VALUE          GRACE     RESET              VALUE
U/SUM   RULD EXEC            5,000            40      03/135              5,060
             --------VIOLATION PER LICENSE INTERVAL-------
             FIRST   LAST                 VALUE      COUNT
             03/135  03/135                5,050          3
             ----VIOLATION PER CHANGE OF LICENSE VALUE----
             FIRST   LAST         MAXIMUM VALUE      TOTAL
             03/010  03/135                5,100         50

             ---------------LICENSE-------------     ---------RUNNING--------
PRODUCT TM   IND             VALUE          GRACE     RESET              VALUE
U/SUM   RULM EXEC          150,000           40      03/130             10,000
             --------VIOLATION PER LICENSE INTERVAL-------
             FIRST   LAST                 VALUE      COUNT
             00/000  00/000                   0          0
             ----VIOLATION PER CHANGE OF LICENSE VALUE----
             FIRST   LAST         MAXIMUM VALUE      TOTAL
             00/000  00/000                   0          0

             ---------------LICENSE-------------     ---------RUNNING--------
PRODUCT TM   IND             VALUE          GRACE     RESET              VALUE
U/SUM   RECD EXEC              100(IN 000S)   20      03/135             90,000
             --------VIOLATION PER LICENSE INTERVAL-------
             FIRST   LAST                 VALUE      COUNT
             00/000  00/000                   0          0
             ----VIOLATION PER CHANGE OF LICENSE VALUE----
             FIRST   LAST         MAXIMUM VALUE      TOTAL
             00/000  00/000                   0          0
(Actual report may show information for additional TM types
 and additional products.)
```

5. Request your control cards and password.

Using the information in "Contacting Customer Support" on page 6, do the following:

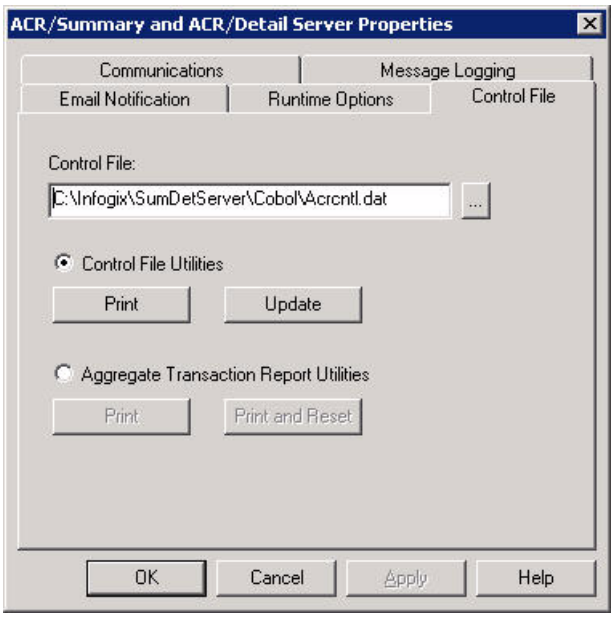
a. Call Customer Support to advise that you are updating the Control File according to your license agreement. Be ready to provide the reason for the update and the scheduled date.

b. E-mail or fax the report(s) generated in the previous step to Customer Support. Mention any special considerations. For example, inform Customer Support if you are upgrading to a new release or upgrading a CPU. You will receive an e-mail or fax containing your control cards and password.

Performing the Update

After receiving the fax or e-mail containing the control card(s) and password, complete the following steps:

1. Open the ACR/Summary and ACR/Detail Server and select the Control File tab, shown below.

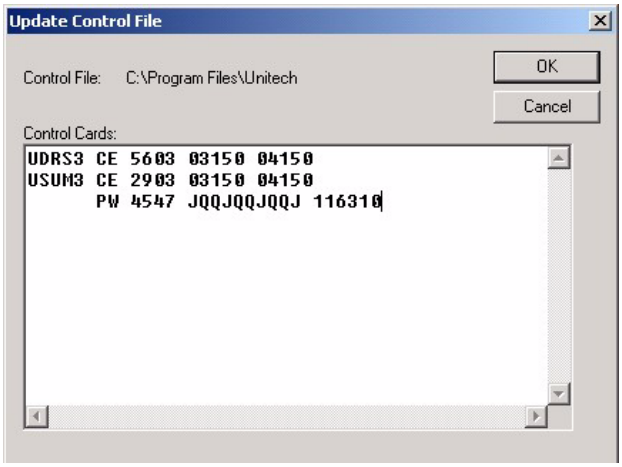


2. In the **Control File** field, enter the fully qualified name of the Control File you are updating. The full name of the path shown above for the Control File is:

   `C:\Infogix\SumDetServer\Cobol\ACRCNTL.DAT`

3. Click **Update**. The Update Control File dialog box displays an empty Control Cards text box.

4. Type or paste the control cards and password from the fax or e-mail into the Control Cards area. Below is an example completed control card information:



5. Click **OK**.

   The Control File Update (UNIFAX50.RPT) report will be displayed in a new window. Click **Print** if you want to print the report.

   Following is an example of the report.

```
         CHANGE ID: 111111222202351003
UNICF:    UNI.REL33.UNICF
          ACCEPTED   USUM3 CT 7761   C
          ACCEPTED   USUM3CCL 6805 AAAAAAAA MF3000L2 0000 0308
          ACCEPTED   USUM3CCA 2836 A S
          ACCEPTED   USUM3CCE 7600 03150 04150
          ACCEPTED   USUM3CCG 8666 03 30
          ACCEPTED         PW 6947 JQQJQQJQQJ 673720
          *******REQUEST PHASE COMPLETE*******
          CHANGED    USUM3 CT 1677   C
          CHANGED    USUM3CCL 5086 AAAAAAAA MF3000L2 0000 0308
          CHANGED    USUM3CCA 6382 A S
          CHANGED    USUM3CCE 0067 03150 04150
          CHANGED    USUM3CCG 6668 03 30
          UPDATE COMPLETE
```

6. Verify the update by reviewing the UNIFAX50.RPT. If the update completed successfully, the report should contain the message **UPDATE COMPLETE**. If the report shows that any of the control cards failed, print and fax or e-mail the report to Customer Support for assistance.

Generating the TM Aggregate Transaction Report

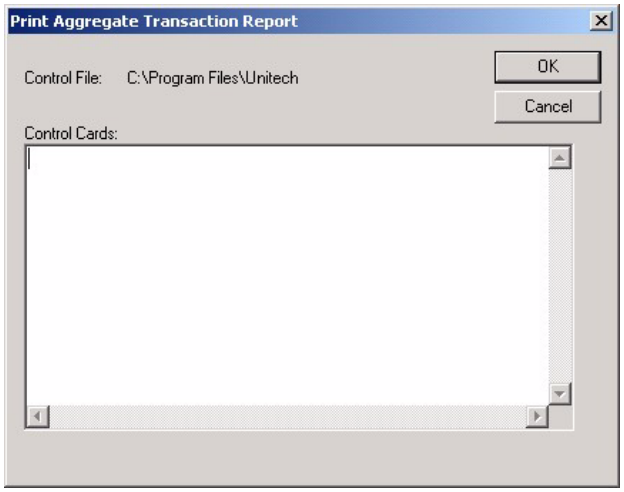
The TM Aggregate Transaction Report is an encrypted report that you may be requested to run by a member of the Customer Development and/or Market Development team. The report prints aggregate counts for each transaction type that is being tracked. Transaction types can include jobs, input sources, records, and rules. After you e-mail the report to the requestor at Infogix, it is decrypted and used for the following purposes:

- To aid in analyzing your transaction usage.
- To implement actual transaction usage licensing where you are billed on a "pay as you go" basis.

Follow the steps below to generate the report from the Control File.

1. Open the ACR/Summary and ACR/Detail Server and select the **Aggregate Transaction Report Utilities** button on the Control File tab.
2. Click **Print** or **Print and Reset**, depending on whether or not you want to reset the transaction counts. In either case, the Print Aggregate Transaction Report dialog box appears.

   The Control Cards text box is blank until you enter one of the options described in the next steps.



3. If you selected Print, enter one of the following options in the Control Cards text box. Otherwise skip to step 4. (Entries should be made on the first line only, starting at the left end of the line.)

Option	Purpose
ALL P	Print the aggregate counts for both ACR/Summary and ACR/Detail. (Leave one space between **ALL** and **P**.)
USUMP	Print the aggregate counts for ACR/Summary only.
UDRSP	Print the aggregate counts for ACR/Detail only.

4. If you selected **Print and Reset**, enter one of the following options in the Control Cards text box. Entries should be made on the first line only, starting at the left end of the line.

Option	Purpose
ALL R	Print the aggregate counts and reset the counters for both ACR/Summary and ACR/Detail. (Leave one space between **ALL** and **R**.)
USUMR	Print the aggregate counts and reset the counters for ACR/Summary only.
UDRSR	Print the aggregate counts and reset the counters for ACR/Detail only.

5. When you click **OK**, the aggregate report displays in a new window. The report name is UNITMPRT.RPT for the print version and UNITMRST.RPT for the print and reset version.

   If you examine the report file, the contents will be encrypted as in the following example:

```
1C:\Infogix\ACRServer\          Infogix, INCORPORATED
02CFLNFGHIJABCDEFGHIJABDDEFGHIJABCDEFGHIJBBCDEFGHIJABCDEFGHMJABCDEFGHIJABCDEFHH
02FKMEFGHIJABCDEFGHIJABCDEFGHIJABCDEFGHIJABCDEFGHIJABCDEFGHIJABCDEFGHIJABCDEFGH
```

6. If you are going to fax the report to the requestor at Infogix, click **Print** to print the report.
7. Fax or e-mail the report to the person who requested it.

More About the Entry Format for the Aggregate Transaction Report Dialog Box

The information in the preceding section provides all you need to generate a Transaction Measurement (TM) Report. The following information provides additional detail about the Print Aggregate Transaction Report dialog box that displays when you select Aggregate Transaction Management Utilities option on the Control File tab of the Server Properties dialog box. This information will be helpful if you expand TM licensing to additional products in the future.

Although the Print Aggregate Transaction Report dialog box initially displays blank, it requires information to be in the format described below. Information should only be entered on the first line.

The following graphic shows the left end of the dialog box.

```
         1         2         3         4         5
12345678901234567890123456789012345678901234567890
PPPPOPPPPOPPPPOPPPPOPPPPOPPPPOPPPPOPPPPOPPPPOPPPPO
```

PPPPO is repeated 16 times on the line. (The entire line is not shown here.) To allow TM licensing for additional products in the future, a total of 16 products can be specified using the **PPPPO** format.

The first four characters in the positions **PPPP** at the left end of the line specify the product name. Valid entries are as follows:

- **ALL** (followed by a space to extend the entry to four characters) indicates that aggregate counts will be included for each product in the Control File for which TM aggregate counts exist.
- **USUM** indicates that aggregate counts will be included for ACR/Summary only.
- **UDRS** indicates that aggregate counts will be included for ACR/Detail only.

> **Note:** The product name must match the information in the your Control File.

The fifth character is entered in the position **O** at the left end of the line and is used to specify the process option, as follows:

- **P** specifies the Print Only option.
- **R** specifies the Print and Reset option.

Upgrading from a Pre-Release 4.0 Release

If you are upgrading from a pre-Release 4.0 release, go to "Upgrading from a Pre-Release 4.0 Release" on page 39.

4

Installing a Client

This chapter provides the system requirements and instructions for installing ACR/Summary Client or ACR/Detail Client. It contains the following sections:

- "Before You Begin" on page 31
- "System Requirements for a Client" on page 31
- "Steps for Installing a Client" on page 31

Before You Begin

Before you begin installation, do the following:

- Verify that the system where you plan to install the client meets the requirements described in "System Requirements for a Client" on page 31.
- Arrange for network access to ACR/Summary and ACR/Detail Server.

System Requirements for a Client

Contact Infogix Support to get information about the minimum system requirements for the ACR/Summary and ACR/Detail clients.

Steps for Installing a Client

1. From the PC where you will install the client, select the appropriate setup program on the ACR/Summary and ACR/Detail x.x Server (where x.x represents the release number):
   - **SetupSum.exe** for ACR/Summary Client
   - **SetupDet.exe** for ACR/Detail Client

   The program is normally in the server's Infogix\SumDetServer\Client directory.
2. The installation wizard will prompt you through the process. When the process completes, the ACR/Summary Client or the ACR/Detail Client will be installed in the Infogix program group, unless you specified a different installation directory.

3. If you have both clients, repeat the installation process for the remaining product.

Following installation, see the appropriate user guide for instructions on accessing, configuring and using the clients:

- *ACR/Summary User Guide for Windows and UNIX*
- *ACR/Detail User Guide for Windows and UNIX*

5

Installing and Licensing ACR/ Workbench

If you purchased the ACR/Workbench for Summary or ACR/Workbench for Detail, this chapter provides the installation and licensing instructions.

This chapter contains the following sections:

- "System Requirements for ACR/Workbench" on page 33
- "Overview of ACR/Workbench Installation and Setup Steps" on page 33
- "Uninstall the Previous Release if Appropriate" on page 33
- "Installing the Product" on page 34
- "Installing the Licensing Key" on page 34
- "Upgrading from a Pre-Release 4.0 Release" on page 36
- "Setting Up Java and COBOL Environment (Optional)" on page 36
- "Using ACR/Workbench" on page 37

System Requirements for ACR/Workbench

Contact Infogix Support to get information about the minimum system requirements for ACR/Workbench for Summary or ACR/Workbench for Detail.

Overview of ACR/Workbench Installation and Setup Steps

This section summarizes the steps for installation and setup of ACR/ Workbench for Summary or ACR/Workbench for Detail. Consult the next sections in order to perform the steps.

Uninstall the Previous Release if Appropriate

If you are upgrading from a previous release, uninstall the old release only if appropriate, as explained below:

- If you want to install and test the new release of ACR/Workbench while continuing to support the old release (this is called a dual install), do not uninstall the old release.
- If you do not want to use the dual install feature, uninstall the previous version of ACR/Workbench using the **Add or Remove** Programs option on the Control Panel.

Installing the Product

Note: Before you begin, review "Uninstall the Previous Release if Appropriate" above. Ensure that you have uninstalled the previous release only if you do not want to use dual install.

1. Run **iSummaryWB.exe** to install ACR/Summary Workbench, or run **iDetailWB64.exe** to install ACR/Detail Workbench.
2. Follow the prompts through the installation process.

   The program will install the product in the one of the following unless you specify a different installation directory:

   ```
   C:\Infogix\Detail32
   C:\Infogix\Summary32
   ```

Installing the Licensing Key

When you install ACR/Workbench for the first time, a Micro Focus licensing key is required to properly run ACR/Summary or ACR/Detail jobs. If you install both products, you only need to install the key once. Instructions for installing the key are provided below.

Note: The compilers used by ACR/Summary and ACR/Detail on Windows and Unix/Linux platforms have been updated in ACR 9.4.

You will have to install the new license using the Micro Focus License Manager. Please contact Infogix Support prior to the upgrade to get the license file.

If this is the first installation of ACR/Summary and ACR/Detail Server after upgrading from ACR release 9.3 or before, you must install the licensing key. If you know the proper licensing key is already installed, skip this section.

To install the licensing key, do the following:

1. The installer to install the license manager is included in the product installation files. Use lmsetupx86.msi for ACR 32-bit version, or lmsetupx64.msi for ACR 64-bit product version.
2. Run as administrator, lmsetupx86.msi for ACR 32-bit version, or lmsetupx64.msi for ACR 64-bit product version.
3. Click “Next” by accepting the default values in the subsequent screens in the wizard.
4. Launch “License Administration” from Windows Start Menu > Micro Focus License Manager
5. In the Install tab, click Browse. Select the license file provided by Infogix Support.
6. Select “Install Licenses” to install the license.

Upgrading from ACR 4.7, 4.8, or 4.9 Release

If you are upgrading from a release prior to Release 9.0, after you complete the relevant steps in this chapter, you must follow these instructions.

Warning: You must run the scan program (UNIVTBL) before your Internal Translation tables have been processed and updated in ACR 9.0 format.

For Internal Translation tables, the format of the input data and its translated value is now defined during the definition of the Internal Translation table itself. The formats entered at the table level are used for all the table entries.

For tables created in Releases 4.7, 4.8, or 4.9, the data format is entered for each entry. When these tables are opened/processed in Release 9.0, the formats entered for the first row are used as the table column formats.

If the formats of the second and/or the subsequent rows are different from the first row, users have to change the data manually to make it consistent with the table column format.

In case the table column formats are not relevant for some rows of data, the table is required to be split into separate tables.

To identify if the Internal Translation tables created in Releases 4.7, 4.8, or 4.9 have mixed formats (the second and/or the subsequent rows have data formats different from the first row), a program (UNIVTBL) has been developed to scan the Definition database to produce a list of tables that have mixed formats.

- From your installation directory, edit SUMVERTBL.BAT for ACR/Summary on Windows. Or, edit DETVERTBL.BAT for ACR/Detail.
- Specify the path of the working directory for ACRSWB (for ACR/Summary) and ACRDWB (for ACR/Detail). This path is the working directory of the new release.
- For UNIDF variable, specify the full path and name of the existing (unmigrated) Definition Database.
- Run SUMVERTBL for ACR/Summary and DETVERTBL for ACR/Detail.
- Review the SYSOUT from this job. The SYSOUT will contain the Definition database name and a list of Internal Translation tables that have mixed formats.
- Review the content of the Internal Translation tables and make modifications as required.

For any changes made manually to the Internal Translation tables, review the referenced extraction rules to make the necessary modifications.

Upgrading from a Pre-Release 4.0 Release

See the instructions in "Upgrading from a Pre-Release 4.0 Release" on page 39.

Setting Up Java and COBOL Environment (Optional)

To retrieve Infogix Assure history, you can use the ACR/Summary's Infogix Assure History retrieval feature.

Infogix Assure provides a web service for the history retrieval. A Java Virtual Machine (JVM) provides the necessary run-time environment to execute Java based applications or web services.

To execute a Java based web service, set the following environment variables for COBOL and Java run-time systems:

Environment Variable	Description
PATH	A 32-bit Amazon Corretto Java run-time system **jvm.dll** file must be available on your machine. The location of the file depends on the JDK version. You must add the file location to the system PATH variable. For example: SET PATH=jdk-install-directory\bin\subdirectory;%PATH% Where subdirectory can be a client, classic, hotspot or a server.
CLASSPATH	To provide access to Java classes that are interfaced to a COBOL run-time system, add the **WebServiceGateway.jar** file location to the CLASSPATH environment variable. For example: SET CLASSPATH=C:\Infogix\SumDetServer\Cobol\WebServiceGateway.jar;%classpath%

Using ACR/Workbench

Refer to one of the following guides for instructions on starting, configuring, and using ACR/Workbench.

- "Using the Workbench" appendix in *ACR/Summary User Guide for Windows and UNIX*.
- "Using the Workbench" appendix in *ACR/Detail User Guide for Windows and UNIX*.

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