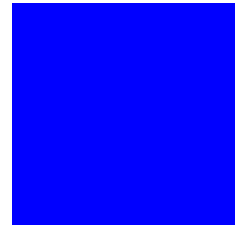


CIMS Lab, Inc.



CIMS Server

Release Notes

Version 4.3

CIMS Publication Number: CS-REL-430-02

Published 02/06/06

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CIMS Server 4.3 Release Notes

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Database Backup

It is extremely important that you back up your CIMS Server database(s) so that you can recover your data in case of media failure or natural disaster. CIMS Lab recommends that you back up your database(s) weekly and that you back up to a *different server at another site*.

CIMS Lab also recommends that you use the Database Maintenance Plan feature included with SQL Server to schedule and perform backup and maintenance tasks for databases. For more information, refer to “Backing Up and Maintaining Databases” in Chapter 5 of the *CIMS Server Administrator’s Guide*.

Upgrading to CIMS Server 4.3

To upgrade CIMS Server, follow the instructions in “Upgrading to a New Release of CIMS Server” in Chapter 2 of the *CIMS Server Administrator’s Guide*. Note that CIMS Server 4.3 includes a database upgrade. You will be prompted to upgrade the database when you start CIMS Server Administrator (see *After Upgrading*).

Important! • When you upgrade to a new version or release of CIMS Server, make sure that you accept the default and install the program in the same folder as the existing CIMS Server installation. If there is a reason that you want to keep your previous CIMS Server version and install the upgrade, contact CIMS Lab Technical Support at (800) 283-4267.

Before Upgrading

Before you begin the upgrade, back up the CIMS Server database and the CIMSLab folder.

If you are upgrading from CIMS Server 4.0 or earlier, the steps that install the Windows Process and Windows Print Usage collector are no longer included in the CIMS Server installation and you will no longer be asked to modify these collectors when you upgrade.

In the unlikely event that you want to install these collectors on the CIMS Server application server, you can download the set up programs (CIMSWinProcessSetup.exe and CIMSWinPrintSetup.exe) from the CIMS Lab Web or FTP site or the CIMS product CD. These programs are also included in the . . .CIMSLab\Collectors\CIMSWinProcess and CIMSWinPrint folders that are installed on the application server.

After Upgrading

After you complete the upgrade process for CIMS Server, you need perform certain steps depending on the release that you are upgrading from. The following table directs you to the “after upgrading” section that is applicable to you.

Release you are upgrading from	Go to
4.0 or earlier	<i>If You Upgraded From Release 4.0 or Earlier</i> and continue as directed
4.1	<i>If You Upgraded From Release 4.1 or Earlier</i> and continue as directed.
4.2	<i>If You Upgraded From Any Release</i> on page 9.

Note that the most immediate steps that need to be completed after the upgrade are:

- If you are upgrading from 4.0 or earlier, set up a CIMS Data Source as described in *Set Up CIMS Data Sources*.
- If you are upgrading from release 4.1 or earlier, update your CIMS report folders as described in *Update Your Report Folders* on page 7.

If You Upgraded From Release 4.0 or Earlier

If you upgraded from release 4.0 or earlier, follow the steps in this section and then continue to *If You Upgraded From Release 4.1 or Earlier* on page 7.

If you upgraded from release 4.1, skip this section and continue to *If You Upgraded From Release 4.1 or Earlier* on page 7.

If you upgraded from release 4.2, skip this section and continue to *If You Upgraded From Any Release* on page 9.

Set Up CIMS Data Sources

A CIMS Data Source is now required for all ODBC Data Sources used by CIMS Server. If you do not have an existing CIMS Data Source defined for your ODBC Data Source, a blank CIMS Data Source Maintenance dialog box opens when you start CIMS Server Administrator. Use this dialog box to create a CIMS Data Source and point it to your ODBC Data Source. For the steps required to create a CIMS Data Source, refer to “Configure the CIMS Data Source for the Database” in Chapter 2 of the *CIMS Server Administrator’s Guide*.

If you do have existing CIMS Data Sources defined, these Data Sources will automatically appear in the CIMS Data Source Maintenance dialog box. (This new dialog box replaces the Data Source List Maintenance dialog box.) For information about maintaining data sources in the CIMS Data Source Maintenance dialog box, refer to “Managing CIMS Data Sources” in Chapter 5 of the *CIMS Server Administrator’s Guide*.

The Select ODBC Data Source dialog box has been replaced by the **Select CIMS Data Source** list at the bottom of the CIMS Server Administrator main window. All CIMS Data Sources appear in the **Select CIMS Data Source** list. Use this list to select the CIMS Data Source that you want CIMS Server Administrator to point to. Note that ODBC Data Sources do not appear in this list, so make sure that all ODBC Data Sources have a correlating CIMS Data Source.

Update Your Data Collection Job Files

If your data collection job file calls console applications such as CIMSWinDisk.exe, CIMSWinEventLog.exe, or CIMSPRAT.exe, you now need to include the extension for application as shown in the following example:

```
<Step id="Server1 Collection"
      description="Server1 CIMSWinDisk"
      type="ConvertToCSR"
      programName="CIMSWinDisk\CIMSWinDisk.exe"
      programType="console"
      active="true">
```

If you do not include the extension, the following error message appears in the job log file: Step failed: Unable to locate executable file '*filename*'.

Important! • There has also been a change to the attributes used by the SQL Server or DBSpace data collectors. If you are using these collectors, you will also need to modify the job as described in [Update Your SQL Server and DBSpace Collection Job Files](#) on page 8.

Update Any Custom Parameter Pages

If you upgraded from CIMS Server 4.0, you need to modify any custom parameter pages because the CIMS classes used by the controls in the ASP.NET parameter pages have changed. Contact CIMS Lab for the steps required to modify these pages.

If you upgraded from CIMS Server 3.3 or earlier, you need to rewrite any custom parmxxxx.asp pages to a .NET version (parmxxxx.ascx). For assistance, contact CIMS Lab.

Note that the path for storing custom parameter pages is now . . . \CIMS Lab\Server\Web\CIMSReporting\CIMSParameters\CIMSComponents\Custom. You need to move your modified or converted files to this folder.

If You Upgraded From Release 4.1 or Earlier

If you upgraded from release 4.0 or earlier, make sure that you have completed the steps in *If You Upgraded From Release 4.0 or Earlier* on page 5 before continuing with the steps in this section.

If you upgraded from release 4.1, continue directly to the steps in this section.

If you upgraded from release 4.2, skip this section and continue to *If You Upgraded From Any Release* on page 9.

Update Your Report Folders

The default report folders in `...\CIMSLab\Server` are now as follows:

- **Reports85.** This folder contains the Crystal 8.5 reports. These reports are compatible with SQL Server only.
- **ReportsSQL.** This folder contains Crystal reports that are compatible with SQL Server. Each report runs in Crystal 9 and later.
- **ReportsORADB2.** This folder contains Crystal reports that are compatible with Oracle and DB2. Each report runs in Crystal 9 and later.
- **ReportsMSRS.** This folder contains Microsoft® SQL Server Reporting Services reports.

All new or updated standard reports will be installed in these folders.

Depending on the CIMS Server release that you are upgrading from, this might mean that your reports are no longer in a default folder. In this situation, you should do the following:

- 1** Move your custom reports to the applicable default folder.

Examples

If you are upgrading from release 4.0 and your custom reports are in the `Server\Reports90\Custom` folder, move the reports to `Server\ReportsSQL\Custom`.

If you are upgrading from release 4.1 and your custom reports are in the `Server\ReportsORA\Custom` folder, move the reports to `Server\ReportsORADB2\Custom`.

- 2** In the CIMS Server Administrator Configuration dialog box, change the paths for the **Standard**, **Custom**, and **Published** report folders. (To open the Configuration dialog box, click **System Administration** ► **Configuration Information**. The report paths are defined on the **Reporting** tab.)
- 3** Restart IIS to update the report paths on the CIMS Server Web Reporting Web site.

Note • If you have any reports in your current **Standard** folder other than the default reports for that folder (for example, you have copied CIMS Advanced Spreadsheets into your current **Standard** folder for Crystal Reports), you will need to copy those reports to the new **Standard** folder.

Update Your SQL Server and DSpace Collection Job Files

If you are using the SQL Server or DSpace data collector, it is very important that you modify the job file by replacing the attributes `ODBCDSN`, `ODBCUserID`, and `ODBCPassword` with the single attribute `DataSourceID`. For an example of the use of the `DataSourceID` attribute in a job file, see the `SampleNightly.xml` file in the `CIMSLab\JobFiles` folder.

The value for `DataSourceID` must be a CIMS Data Source ID. CIMS Data Source IDs were introduced in CIMS Server 4.1 and are used to point to ODBC Data Sources used by CIMS Server components. Unlike ODBC Data Sources, CIMS Data Sources contain the user ID and an encrypted password.

To create a CIMS Data Source ID that points to the ODBC Data Source that you are using for collection, do the following:

- 1 In the CIMS Server Administrator main window, click **System Administration** ▶ **CIMS Data Source Maintenance**.
- 2 In the CIMS Data Source Maintenance dialog box, click **Add**.
- 3 In the Add CIMS Data Source dialog box, type an ID for the CIMS Data Source, and then click **OK**. For example, if you are creating a CIMS Data Source that will point to an ODBC Data Source named `SQLServerDB`, you might also name the CIMS Data Source `SQLServerDB`.

Note • If you are collecting from multiple database instances, you need to create CIMS Data Source for each ODBC Data Source that you have set up for the instances. For more information about setting up and using the SQL Server and DSpace data collectors, refer to the *CIMS Data Collectors for Microsoft Windows Installation and User Guide*.

- 4 In the Configure CIMS Data Source dialog box, do the following:
 - a In the **Select a System ODBC Data Source** box, click the ODBC Data Source that points to the database that you are using for collection. This should be the same data source as you had previously used for the `ODBCDSN` attribute.
 - b In the **User ID** and **Password** boxes, type the user ID and password if needed for the database. The password is encrypted.
 - c In the **Owner/Schema** box, CIMS Lab strongly recommends that you leave the default `dbo.` prefix.
 - d In the **Additional Parameters** box, type any additional parameters that are required to enable connection to the database. For more information, consult your SQL Server DBA or CIMS Lab.
- 5 Click **OK** to save the data source information and close the Configure CIMS Data Source dialog box. The data source entry appears in the CIMS Data Source Maintenance dialog box.

For more information about setting up and using CIMS Data Sources, refer to the *CIMS Server Administrator's Guide*.

If You Upgraded From Any Release

If you upgraded from release 4.1 or earlier, make sure that you have completed the steps in the preceding sections before continuing with the steps in this section.

Upgrade the Database

CIMS Server 4.3 contains a new database version. You will receive a notification message that a database upgrade is available when you start CIMS Server Administrator. Click **Yes**, and then click **Upgrade Database**.

If the database upgrade fails, it is probably because the hard disk or SQL Server log file is full. As always, your SQL Server recovery model should be set to **Simple** to keep log files manageable (refer to “Setting the Database Recovery Model” in Chapter 5 of the *CIMS Server Administrator’s Guide*).

Once you have rectified the problem, close and restart CIMS Server Administrator. You will be prompted again to upgrade the database and the upgrade will restart from where it failed.

New Features

The following sections describe new features for CIMS Server 4.3.

SQL Server Reporting Services Support Expanded

CIMS standard reports are now available as both Crystal and Microsoft SQL Server Reporting Services reports. CIMS standard Reporting Services reports are in the `...CIMS\Lab\Server\ReportsMSRS\Standard` folder.

To configure Reporting Services for use with CIMS Server, refer to “Set Up SQL Server Reporting Services” in Chapter 2 of the *CIMS Server Administrator’s Guide*.

Note • A new configuration option, **Report Server URL**, has been added. This option enables you to enter the URL for Reporting Services Report Server. This URL is no longer required in the `Web.config` file.

This option appears only if Reporting Services is selected when the CIMS Server database is initialized. For more information about this option, refer to “Web Settings” in Chapter 3 of the *CIMS Server Administrator’s Guide*.

Updates to the Windows® Disk Collector

The XML in the collection step for the Windows® Disk collector has changed—the `GenerateExternalFile` element has been removed. If you are using this collector, you will need to update the collection steps for the collector in your job file. Refer to the `CIMSWinDisk` process in the `CIMS\Lab\JobFiles\SampleNightly.xml` file for the correct XML structure.

New CIMS Utility and Applications

CIMS Lab is pleased to announce the following new utility and applications.

CIMS Integrator

CIMS Integrator is a utility that processes input data provided in a variety of formats (including CSR or CSR+ files) according to the stages that are defined in a job file. A stage defines a particular data analysis or manipulation process such as adding an identifier or resource to a record, converting an identifier or resource to another value, or renaming identifiers and resources.

For more information about CIMS Integrator, refer to “Using CIMS Integrator” in Chapter 2 of the *CIMS Data Collectors for Microsoft Windows Installation and User Guide*.

CIMS Financial Modeler

This Web-based application enables CIMS administrators to easily perform IT finance-related tasks, including the following:

- Determine usage-based cost allocation for resources.
- Calculate and set rates for resource usage (including updating rates in the CIMSRate table).
- Perform cost analysis.

For more information about CIMS Financial Modeler, refer to Chapter 7 of the *CIMS Server Administrator’s Guide*.

CIMS Web Console

CIMS Web Console provides an interface for creating job files, viewing job log files, and performing some CIMS Server administration tasks. CIMS Web Console is a beta release in CIMS Server 4.3. For more information about this application, contact CIMS Lab.

If You Are Using Crystal Reports XI

If you are using Crystal Reports XI, install Crystal Reports Service Pack 1.