

iConvert

User Guide

ImageNow Version: 6.7.x



perceptivesoftware

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Overview

iConvert is a Windows only multi-threaded utility that converts an ImageNow database from one DBMS to another. After you install it, you can run iConvert and monitor its progress using log files, which you can configure to receive automatically by email.

You can install iConvert as a manual or automatic service. If you install iConvert as an automatic service, iConvert will start each time you start the machine it is installed on.

Complete the process in this document to perform a database conversion using iConvert. We recommend that you contact Perceptive Software support before beginning a database conversion.

Install iConvert

1. Go to the Perceptive Software website at www.perceptivesoftware.com and log in to the Customer Portal.
2. In the **Product Downloads** page, search for all downloadable items for the specific product and version you want to use. These files may include a product installer, product documentation, or set of supporting files.
3. Download the relevant files to a temporary directory on your computer.

Prepare ImageNow and target database

1. Perform a complete back up of the ImageNow Server and database.
2. Stop all ImageNow services.
3. Complete one of the following steps to prepare the target database for conversion:
 - If you are converting to Oracle, you must create the database instance before running iConvert. Refer to the appropriate ImageNow Server installation guide for additional information.
 - If you are converting to Microsoft SQL, you must create the database shell, users, and privileges before starting iConvert by running the **iConvert_SQLServer-DBOnly.sql** script, which is included in the download:
Note You do not need to create the database tables or add indexes and constraints. The iConvert utility creates your tables and adds indexes and constraints for you.
4. If you are converting from Microsoft SQL to Oracle, or from Oracle to Microsoft SQL and your ODBC connection is named **ImageNow 6**, rename the existing ODBC connection to prevent it from being overwritten. The iConvert installer will create an ODBC connection for your target database with the default name of ImageNow 6.

Install, configure, and run iConvert

1. Double-click the downloaded **iConvertSetup_[version].exe** file.
2. On the **Welcome to the ImageNow Installation Wizard for iConvert** page, click **Next**.
3. On the **License Agreement** page, review the License Agreement terms, scroll to the end of the agreement, click the **I accept the terms in the license agreement** button, and then click **Next**.
4. On the **Database Configuration** page, select the database type to which you want to convert the existing database.

5. To configure iConvert to send email messages containing progress updates of the conversion, select **Check to configure email notification** and complete the following substeps and then click **Next**. Otherwise, click **Next** and continue to the next step.
 - In the **SMTP Server** field, specify the SMTP server you want iConvert to use to send email updates.
 - In the **SMTP Port** field, specify the port number of SMTP Server.
 - In the **Send to address** field, specify the email address to which you want iConvert to send email updates.
 - In the **Send from address** field, specify the email address from which you want iConvert to send email updates.
6. On the **Ready to Install the Program** page, click **Install**.
7. In the **ODBC [Database Type – Oracle or SQL] Wire Protocol Driver Setup** dialog box, on the **General** tab, in **Database server**, supply the database server name or IP address for the database server.
8. In **Database name**, supply the database name (INOW6 is the default database name), and then click **OK**.
9. On the **Installation Wizard Completed** page, click **Finish**.
10. Open the **inserverConvert.ini** file and rename the **src.dsn** connection to what you renamed the existing ODBC connection to in step 4 in the [Prepare ImageNow and target database](#) section and **Save**.
11. In a command prompt, navigate to the **[drive:]inserver6\bin** directory and type **inserverConvert –start** to start iConvert.

Note If you stop and restart iConvert, the conversion process begins where it left off. If you installed iConvert as a manual service, you must complete the preceding step to restart it.

Track conversion progress

To view the status of the conversion, navigate to the `[drive:]\inserver6\log` directory and, in a browser, open the `convertresult.htm` file. Each row represents the conversion process of an ODBC table. If the row is green, the conversion completed successfully. Yellow indicates the conversion is in progress. White or gray indicates the table has not yet started conversion. Red indicates the table did not convert successfully. Refer to the [After the conversion](#) section in this document for instructions on correcting failed tables.

After the conversion

After iConvert completes the conversion, you need to check for failed tables, update the licenses, and remove the iConvert utility.

Address failed tables

Navigate to the `[drive:]\inserver6\log` directory and, in a browser, open the `convertresult.htm` file to view the status log. Rows highlighted in red represent ODBC tables that did not convert successfully. Complete the following steps to scrub and re-convert failed tables:

1. In a command prompt, navigate to the `[drive:]\inserver6\bin` directory, then type `inserverConvert -scrub-table [table name]`, where [table name] is the table that failed conversion. This action truncates the records from the table and sets its status to “not started”.
2. Complete the preceding step for each failed table.
Tip If multiple tables failed, it might be more efficient to use the command `inserverConvert -scrub-table all`, which scrubs all the tables in the ODBC.
3. In a command prompt, type `inserverConvert -start` to begin the conversion of the failed tables.

Uninstall iConvert

1. In a command prompt, navigate to the `[drive:]\inserver6\bin` directory, then type `inserverConvert -u`.
2. Delete the `inserverConvert.exe` and `inserverConvert.ini` files.

Appendix: Configuration files

inserverConvert.ini

The following table provides definitions and sample data for the settings in the inserverConvert.ini configuration file. This table displays the INI settings under group headings in brackets, for example, [General], in the order the groups appear in the INI file. Each setting offers two or more options, which are defined in the table below along with a description of each setting and its options. Use this table as a guide when customizing the file.

Section	Setting	Options	Description
General	num.workers	Any positive integer	Specifies the number of worker threads in the main pool. The default is 15.
	throttle.threshold	Any positive integer	Specifies the maximum number of inserts iConvert allows before committing the open transaction. The default is 1000.
	retry.attempts	Any positive integer	Specifies the number of times iConvert attempts the insert. The default is 3.
Logging	debug.level.file	0 through 6	Specifies the level iConvert uses to log errors for troubleshooting. 0 = Logging is off. 1 = The least verbose logging. 6 = The most verbose logging. The default is 0.
	socket.level.file	0, 1	Specifies whether to log communication between ImageNow Server and iConvert. 1 = iConvert logs communication. 0 = iConvert does not log communication. The default is 0.
	status.log.interval		Specifies how often, in seconds, iConvert refreshes the ConvertResult.html log file. The default is 10.
ODBC	src.dbms	SQLServer, Oracle, DB2	Specifies the source DBMS the customer is converting from.
ODBC	src.dsn	Any valid database name	Specifies the source database name.

Section	Setting	Options	Description
(continued)	src.userid	Any valid user ID	Specifies the user ID of the user that administers the source DBMS.
	src.password	A valid password for the specified user ID	Specifies the password for the source ODBC, where each character is advanced +1, so the password "imagenow" would be "jnbhfopx".
	dest.dbms	SQLServer, Oracle, DB2	Specifies the destination DBMS the customer is converting to.
	dest.dsn	Any valid database name	Specifies the destination database name.
	dest.userid	Any valid user ID	Specifies the user ID of the user that administers the destination DBMS.
	dest.password	A valid password for the specified user ID	Specifies the password for the destination ODBC, where each character is advanced +1, so the password "imagenow" would be "jnbhfopx".
Email	smtp.server	Any valid IP address or server name of an SMTP server	Specifies the SMTP server iConvert uses to email convertresult.htm.
	smtp.port	Any existing port number	Specifies the port number of SMTP Server.
	email.to	Any email address	Specifies the email address to which iConvert sends emails containing the convertresult.htm log file.
	email.from	Any email address	Specifies the email address from which iConvert sends emails containing the convertresult.htm log file.

inow.ini

The following table provides definitions and sample data for the settings in the **[ODBC]** section of the inow.ini configuration file. Each setting offers two or more options, which are defined in the table below along with a description of each setting and its options. Use this table as a guide when customizing the file. To see all the settings in inow.ini, refer to the ImageNow Server Installation and Setup Guide for the appropriate environment and DBMS.

Setting	Options	Description
odbc.dbms	SQLServer, Oracle, DB2	Specifies the DBMS ImageNow uses.
odbc.dsn	Any valid database name	Specifies the name of your ImageNow database. The default is INOW6.
odbc.userid	Any valid username	Specifies the user ID for the ODBC connection. The default is inuser.
odbc.password	Any valid password	Specifies the password for the ODBC connection, where each character is advanced +1, so the password "imagenow" would be "jnbhfopx". The default is jnbhfopx.
odbc.use_dddriver	TRUE FALSE	Specifies whether ODBC uses the DataDirect driver. The default is TRUE.
odbc.grid.max.fetch.count	Any positive integer	Specifies that maximum number of records retrieved by ODBC at one time. This setting applies to workflow, batch, related documents, document search, project search, ERM, and project viewer grids. The default is 2000.
auth.odbc.dbms	Oracle SQLServer	ImageNow Server uses auth.* settings to connect to the authorization database when logon.method is set to SQL. This setting specifies the database management system ImageNow uses.
auth.odbc.dsn	Any valid database name	Specifies the name of your ImageNow database.
auth.odbc.userid	Any valid username	Specifies the user ID for the ODBC connection.
auth.odbc.password	Any valid password	Specifies the password for the ODBC connection, where each character is advanced +1, so the password "imagenow" would be "jnbhfopx". The default is jnbhfopx.