Rimage Network Publisher™ 8.2
User Guide

RIMAGE™

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Introduction

Network Publisher is a client application used to automate the process of submitting jobs to Rimage equipment.

Network Publisher is supported on the following operating systems:

- Windows 7 Professional and Ultimate (32-/64-bit)
- Windows 7 Enterprise (64-bit)
- Windows XP Professional SP3 (32-bit)
- Windows Vista Business, Enterprise, and Ultimate editions with SP2 (32-bit)
- Windows Server 2008 R2 (64-bit)
- Windows 8 (64-bit)

  Note: Network Publisher can be installed on the above 64-bit systems, but the application uses the 32-bit Java JRE.

Basic Operation Overview

Network Publisher receives instructions in one of two ways:

- Through an order file that is dynamically created by a third party application that is composed of simple ASCII statements defining order parameters.
- Through an operator-created order file that was created using a text editing program.

Network Publisher converts these text-based orders into XML orders.

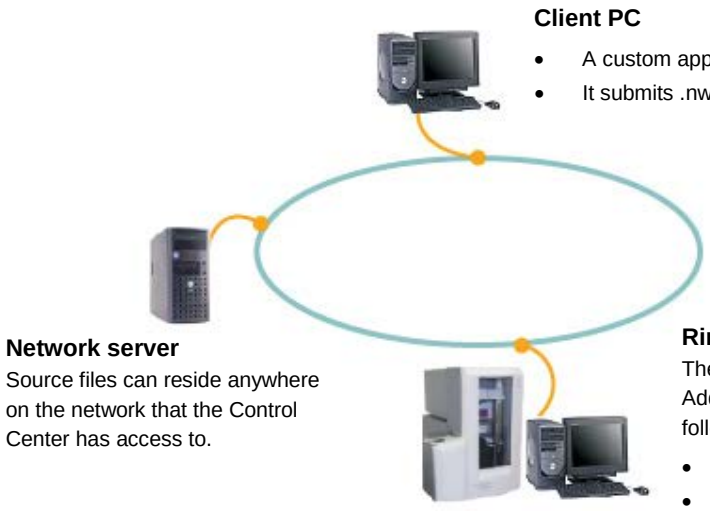
When Network Publisher is running, it periodically scans an operator-specified directory for these order files (order files are designated by an extension of **.nwp**).

When an order file is found, Network Publisher submits the order to Rimage Messaging Server (eMS) and discs are produced. A diagram of Network Publisher operation is shown below.

Installation and Configuration Overview

This section describes the steps needed to configure Network Publisher on a network. The Network Publisher file **netpub.ini** must be configured with the eMS ***host*** name and ***port*** number that were assigned during Rimage Software Suite installation. Refer to *Edit the Initialization File* on page 4.

When installing Network Publisher, the path settings, access rights, and file location are very important to configure an operational system. At installation, take particular note of file names and program locations.



Client PC

- A custom application may reside here.
- It submits .nwp order files.

Network server

Source files can reside anywhere on the network that the Control Center has access to.

Rimage Control Center

The Rimage services run here. Additionally, Network Publisher and the following components reside here:

- Order files
- Log files

Note: Other network configurations are possible, for example the Network Publisher may be installed on a client PC, it does not have to run on the Control Center.

1. Install **Network Publisher** on the Control Center or a Client PC.

   Important: When you install Network Publisher, make sure you point to the location of the Rimage System Folder (RSF) which was determined during installation. This is typically on the Control Center as D:\Rimage.

2. Provide access rights to the network server for the user of the Control Center and the user of the custom application.
3. Edit the initialization file **netpub.ini**. Refer to *Edit the Initialization File* on page 4.
4. Place the source files on a network server.

   Note: Ensure that 800 MB of hard drive space is free for each image and up to 5 MB of hard drive space is free for each label. For the image files this space must be available where the image files are created, often this is on the Control Center.

5. Save all label files to a network server so the Control Center can access the labels. They may also be saved on the Control Center.

Edit the Initialization File

An initialization file, **netpub.ini**, is used to record key parameters needed by Network Publisher. After you install Network Publisher, you can edit the **netpub.ini** file. After installation, the default location of the **netpub.ini** file for 32-bit Windows is:

C:\Program Files\RimageNP\Messaging\netpub.ini.

For 64-bit Windows it is:

C:\Program Files (x86)\RimageNP\Messaging\netpub.ini.

Each Identifier must be followed by "=". Spaces and tabs may be used for readability.

Initialization File Parameters

The following properties are specified in the **netpub.ini** file:

Identifier	Value
EMS_HOST	These values specify the host and port of Messaging Server. You must edit these values to reflect your installation.
EMS_PORT	
DEFAULT_IMAGE_CLUSTER	These values specify the cluster defaults. You must edit these values to reflect which Rimage Image and Production clusters to use.
DEFAULT_PRODUCTION_CLUSTER	
IMAGE_PATH	This value specifies the location where your image files will be stored. You must edit this path to reflect your installation. The specified location must be accessible by Imaging Server.
ORDER_DATA_PATH	This value specifies the location where your order files (specified by an .nwp extension) will be placed. This is also the location of the Network Publisher log file (nwplog.txt). This file contains information about your orders.
NUM_PUBLISHING	This value controls the number of order files that are being constructed or copied at one time. **Note**: Without this control, an unlimited number of order construction operations could be launched successively which could consume large amounts of storage space, causing unnecessary order rejections.
KEEP_ORDER_FILE	This value indicates if the order file is to be automatically deleted when the order is complete or retained and renamed. The values that may be specified are DELETE and KEEP respectively. If the statement is omitted, DELETE is the default.
SHOW_GUI	This value indicates if Network Publisher shows a GUI window or not. The value of TRUE indicates the GUI is shown, the value of FALSE indicates the GUI is not shown.
STARTUP_TIMEOUT	This value specifies the amount of time to try to connect to Messaging Server (eMS). If this value is exceeded and a connection cannot be made, Network Publisher stops trying to connect and posts a log message to its log file.
NUM_COMPLETED	This value is to limit the number of completed orders shown in the Network Publisher GUI, in the Completed Projects tab. Once the number of successfully completed projects starts exceeding this limit, Network Publisher removes earlier completed projects from the GUI to show NUM_COMPLETED or less. This does not affect Failed or Canceled projects. NUM_COMPLETED=20 is the default.
STARTUP_MINIMIZED	This value specifies if the application should be minimized at startup. The value of TRUE indicates the application will be minimized at startup, the value of FALSE indicates the application will not be minimized at startup.

Identifier	Value
	Note: This value is only useful when the SHOW_GUI value is set to true, otherwise the value is ignored.
STOP_NETPUB_ON_DESKTOP	This can be TRUE or FALSE. If TRUE than a batch file will be created on the desktop that can be used to stop the Network Publisher. The file is named **StopNetPub.bat**.
DEFAULT_CDR_MEDIASIZE	This is a numeric value that sets the default size when a CD-R is specified in the order. Allowed values are 63, 74, or 80. It is an alternate way of specifying the CD-R size.

Note: To view a sample **netpub.ini** file, refer to *Sample Initialization File* on page 5.

Initialization File Defaults

Some order file values can be specified in the **netpub.ini** file. These will override the normal default values and include the following:

Copies	imtype	rotate
disc_format	labtype	security
email	media	UPC/EAN
filetype	mediasize	use_server
fixate	priority	volume
get_disc	put_disc	

Note: For more information about the required syntax of these parameters, refer to *Create order files* on page 7 or refer to the sample initialization file shown in the *Sample initialization file* section.

Network Publisher uses values in the order file first, followed by values in the **netpub.ini** file, and lastly the default values. In other words:

1. If the value is specified in the order file, that value is used.
2. If no value exists for the item in the order file, the value from the initialization file **netpub.ini** is used.
3. If no value exists for the item in the initialization file **netpub.ini** or in the order file, the order file defaults described in the *Create Order Files* section on page 7 are used.

Sample Initialization File

Note: In the **netpub.ini** file shown below, the last three parameters are defaults. Refer to *Initialization File Defaults* for more information about the defaults you can set in the **netpub.ini** file.

```
EMS_HOST=localhost
EMS_PORT=4664
DEFAULT_IMAGE_CLUSTER=DefaultImageCluster
DEFAULT_PRODUCTION_CLUSTER=DefaultProductionCluster
IMAGE_PATH=C:\Rimage\CD-R_Images
ORDER_DATA_PATH=c:\Rimage\Publisher Orders
NUM_PUBLISHING=4
KEEP_ORDER_FILE=DELETE
SHOW_GUI=true
STARTUP_TIMEOUT=30
COPIES=10
MEDIA=DVDR
MEDIASIZE=500
```

About the Order Files Folder

If you edit the **netpub.ini** file, you may need to create a folder where the order files are placed. After installation, the default location of this folder is:

```
C:\Rimage\Publisher Orders
```

Important! The location of the order files folder is determined by the ORDER_DATA_PATH identifier in the **netpub.ini** file. You only need to create this folder if you specified a different location in the **netpub.ini** file.

Contents of the Order Files Folder

Order Files

The order files folder is where all the order (.nwp) files are placed.

About Order File Extensions

You can determine the state of an order by observing the order file extension. Order file extensions and the states they indicate are shown in the table below:

File extension	State indicated
.nwp	New order, not yet processed
.inp	In process **Note**: The in process state has a series of sub-states. The sub-states include IMAGING, RECORDING, PRINTING, FIXATING, CANCELLING, VERIFYING, REJECTING, DOWNLOADING, MAPPING, READING, SUSPENDING, SEGMENT, STREAMING, AND DESTROYING. The sub-states are not displayed in the current version of Network Publisher.
.don	Successfully completed
.err	Rejected (error)
.can	Cancelled

Log File

Network Publisher generates a log file in the order file folder. The file, nwplog.txt, contains a list of order files and their status. If there is an error it provides additional text describing the error, and an error code returned by the Imaging Server or the Production Server.

The format of a log file entry is [date/time] <order file>:[error code] error message. To view a sample log file, refer to the *Sample Log File* section on page 7.

Sample Log File

Below are sample error (.err) log file entries:

```
[6/27/13 10:59:33 AM CST] C:\Rimage\Publisher Orders\Test1.inp0: Specified label
file is not in '.btw', '.pdf', or '.fdf' format.
[6/27/13 11:59:33 AM CST] C:\Rimage\Publisher Orders\Test3.inp0: Specified label
file is not in '.btw', '.pdf', or '.fdf' format.
[6/28/13 10:00:33 AM CST] C:\Rimage\Publisher Orders\Test2.don0: SUCCEEDED
[6/28/13 12:00:33 AM CST] C:\Rimage\Publisher Orders\Test4.don0: SUCCEEDED
[6/29/13 09:15:33 AM CST] C:\Rimage\Publisher Orders\Order1.err0: [312] Image file
open error
[6/29/13 10:49:33 AM CST] C:\Rimage\Publisher Orders\Order2.don0: SUCCEEDED
[6/30/13 07:59:33 AM CST] C:\Rimage\Publisher Orders\Order3.inp0: There needs to be
a 'data_file=' statement.
[6/30/13 10:10:33 AM CST] C:\Rimage\Publisher Orders\Order4.err0: [312] Image file
open error
[7/01/13 09:05:33 AM CST] C:\Rimage\Publisher Orders\Order5.err0: [312] Image file
open error
[7/17/13 10:50:33 AM CST] C:\Rimage\Publisher Orders\Order6.don0: SUCCEEDED
```

Tip: For error codes or error messages with possible solutions, visit http://www.rimage.com/support.html.

Previous versions of Network Publisher used a different date format,

```
[December 28, 2005 11:13:15 AM CST].
```

The date format was changed to make foreign language translation more consistent with existing standards.

Create Order Files

Network Publisher operation is driven by a text file consisting of a series of ASCII text lines where each line is separated by a Carriage Return/Line Feed character pair, or by an End-of-File character. The order file must be placed in the folder location specified by the initialization file and must have an extension of .nwp.

Important! If the order file does not have an extension of .nwp, Network Publisher does not recognize it as an order file.

Each line is of the following form:

```
Identifier = value <newline>
```

Any number of spaces can surround the equal sign and statements do not have to appear in any specific order.

Lines beginning with a ‘;’ or ‘#’ are considered comment lines and are ignored.

Important! The .nwp files must be encoded in either ASCII or UTF-8. Network Publisher Version 6.1.3 and later accept files saved in either of these formats. UTF-8 is useful for many foreign languages. Manual order files created by Windows Notepad can be saved in either of these formats.

Order File Syntax

The table below shows order file identifiers and values. If no value is specified for a particular identifier, the default value is used. If there is no default, the identifier is ignored. Some of the Identifiers have alternate spellings, these will be listed in the first column. The Identifiers are case-insensitive, upper and lower case letters may be freely mixed.

Identifier	Value	Default value
Order_Id **OrderId**	A string of alphanumeric characters that uniquely identifies the order. If this statement is omitted, an order identifier is automatically generated for image construction and a different one for disc replication. **Tip**: The advantage of automatically generated identifiers is simplicity, but you may find that assigning one in the order is useful for tracking purposes. If no **order_id** is specified, a **job_id** is automatically generated. When assigned automatically, the **job_id** format is <file.inpx>_IO for an Imaging order and <file.inpx>_PO for a Production order. When manually entering an **order_id**, no particular format is required.	No default
File	Specifies either the path to the parent directory, the name of an Editlist file, or the image file to record to the disc. The maximum amount of characters to the right of the equal sign is 260. You can include an unlimited number of file statements in one order if using the PARENT filetype. **Important!** • For disc_format=BLUE_BOOK jobs, file statement specifies the PARENT folders, an EDITLIST file path, or an IMAGE file path. The job fails if both the file and data_file statements are present in a disc_format=BLUE_BOOK job. • Do not use a backslash at the end of the path, this can cause errors. • File paths cannot be in quotes.	No default
AllowSpanning	Values are **true** or **false**. If the value is set to true, spanning will be allowed. **Tip:** This value is only useful for data Production jobs and is not allowed for audio jobs.	False
SpanningType	Values are **normal** and **balanced**. If balanced is specified, the Imaging Server spreads the files evenly across volumes **Tip:** This value is only useful when the AllowSpanning order files identifier is set to true.	Normal

Identifier	Value	Default value
SplitFileIfOver	**Tip:** This value is only useful when the AllowSpanning order file identifier is set to true. The following values are allowed: • **-1** or **neversplit**, if a file cannot fit on a single volume an error will be generated and the job will fail. • **0** allows files to be split in order to fill each disc volume as much as possible. • **false** means a file will be only split across volumes when it is larger than the space on a single volume. • A number in bytes means files will only be split across volumes if they exceed this size. This allows files to be kept on a single volume even though there might have been some space left over on the previous volume.	0
IncludeSpanFiles	Values are **true**, **false**, or **IfSpanned**. • If the value is set to true, the manifest and spanrestore files are included in a spanned set. • If the value is set to false, the manifest and spanrestore files are not included in a spanned set. • If the value is set to IfSpanned, the manifest and spanrestore files are included only when the spanned set is more than one disc. **Tip:** This value is only useful when the AllowSpanning order file identifier is set to true.	True
VerifyEnabled	Values are **true** or **false**. This causes the Production Server to read the recorded disc and verify that the contents are correct.	
VerifyEveryNthDisc	As above, but instead of every disc being read only every Nth disc will be read and verified. For example, 2 would cause every 2nd disc to be verified.	

Identifier	Value	Default value
FileType	Defines the type of file that is given in the **file** statement(s). The **filetype** values are: PARENT – Specifies that the value after the **file** identifier is the parent path to the source files to be copied on the disc. EDITLIST– Specifies that the value after **file** identifier is the Editlist file. The Editlist file includes the pointers to the required source files to be copied on the disc (CD-R or DVD-R). Refer to the *Using Editlist*s documentation found on the Network Publisher software disc. XML editlists allow for very fine control over the source and destination address of files. Many other options are also available. The old style non-XML editlists may also be used. IMAGE – Specifies that the value after the **file** identifier points to the pre-constructed image file that is to be recorded to a disc. IMAGE_DELETE – Same as the value IMAGE, except the image file is automatically deleted following replication. PRINT_ONLY – Specifies to only print the discs without recording. The identifiers **file**, **imtype,** and **volume** are ignored if present in the order file. PRINT_ONLY applies to CD-R and DVD-R media only. **Note**: This does not apply to disc_format=BLUE_BOOK jobs. PARENT_IMAGE_ONLY,file_name – Specifies that this is an image only job, no disc is to be created. Specifies that the value after the **file** identifier is the parent path to the source files. Optional file_name specifies the name of the resulting Image file. If file_name is not specified, the resulting Image filename is generated based on the order id. **Note**: This does not apply to disc_format=BLUE_BOOK jobs. EDITLIST_IMAGE_ONLY,file_name – Specifies that this is an image only job, no disc is to be created. Specifies that the value after the **file** identifier is the Editlist file. Optional file_name specifies the name of the resulting Image file. If file_name is not specified, the resulting Image filename is generated based on the order id. **Note**: This does not apply to disc_format=BLUE_BOOK jobs.	PARENT

Identifier	Value	Default value
ImType **ImgType** **ImageType**	Specifies the kind of disc image file to construct. The form of the statement is: imtype = base selection, option 1, option 2,… **Base Selection** (select one of the following): NOISO9660 – The ISO9660 file system is not to be included in the image. ISO9660L1 or ISO9660L1_RELAX –The ISO9660 file system contains 8.3 filenames with all file and directory restrictions relaxed to the extent permitted by Windows. ISO9660L1_NORELAX – The ISO9660 file system contains 8.3 filenames and directory names conforming to the ISO9660 specification. ISO9660L2 or ISO9660L2_RELAX – Long file names with all filenames and directory depth restrictions relaxed to the extent permitted by Windows. Windows does not have a practical directory depth limit. ISO9660L2_NORELAX – Long filenames with all filenames and directory restrictions enforced (this is the default setting). Maximum characters per filename = 127. ISO9660L3 or ISO9960L3_RELAX – File size over 4.2 GB with all filenames and directory depth restrictions relaxed to the extent permitted by Windows. **Important!** Level 3 is not supported by all operating systems, Windows versions after XP seem to work. UDF102 – The UDF version 1.02 file system is included along with ISO9660L1. Maximum characters per filename = 127 in the UDF part. The ISO part will have 8.3 DOS names in upper case. UDF150 – The UDF version 1.5 file system is included. Unicode names are automatically handled. Non-Unicode names have a length limit of 254. Unicode names have a limit of 127 characters. This is also true for all the higher versions of UDF shown below. UDF200 – The UDF version 2.0 file system is included. UDF201 – The UDF version 2.01 file system is included. UDF250 – The UDF version 2.5 file system is included. UDF260 – The UDF version 2.6 file system is included.	ISO9660L2_RELAX

Identifier	Value	Default value
ImType (continued)	**Optional Selections** (select one or more of the following): JOLIET – Construct a disc with the Joliet file system. Maximum characters per filename = 64. HFS – Construct the disc with the Apple HFS file system. Maximum characters per filename = 30. APPLE – Include the Apple extensions to the ISO9660 file system in the disc. CDROMXA – Construct the disc according to the CD-ROM/XA rules. BOOT – Construct a bootable disc. ROCKRIDGE – Include the Rock Ridge extensions to the ISO9660 file system (UNIX) in the image file. Maximum characters per filename = 127. Example: **imtype=ISO9660L2_NORELAX,ROCKRIDGE** INC – Records the image file incrementally with the prior session on the disc, if any. Contents for both sessions are accessible. If not specified, the image is recorded as an independent session and files in prior sessions are not visible. **Note**: If you are copying an existing image file incrementally with a prior session on the disc (**filetype** statement specifies IMAGE or IMAGE_DELETE) then the **imtype** statement must specify NOISO9660 along with the INC specifier. Example, **imtype=NOISO9660,INC**. PI – Construct the disc image file as a Rimage PowerImage where source files are incorporated by reference. The full image is constructed by the Production Server prior to recording. PowerImage results in a faster image building process and a much smaller image file.	
Label	Specifies the path and name of the label file. The string of characters cannot exceed 260 characters. If no label is to be applied to the disc(s), then this statement is omitted. **Notes:** • Label file types are specified in **labtype**. • Labels containing merge fields must have the merge fields specified within the “Database” option, instead of the “MergeField” option	No default
LabType **LabelType**	Specifies the format of the label file: PRINTER_FMT – The label file is either in PCL or PRN format; that is, the label was previously printed to a file. Acceptable file extensions are .prn and .pcl. EDITOR_FMT – The label file is in the Rimage CD Designer format (.btw or .BTW extension). This is the default if the **labtype** statement is omitted. Labels in .pdf and .fdf formats are also accepted.	EDITOR_FMT

Identifier	Value	Default value
Merge	Specifies the path to a merge file that contains values to insert into the label merge fields. The label file must be created with corresponding merge fields. If you specify a merge file, the **labtype** parameter must be EDITOR_FMT and the **label** parameter must be present. This statement is omitted if no merge file is used. The merge file is a delimited text file. **Note**: Labels containing merge fields must have the merge fields specified within the Database option.	No default
Media **MediaType**	Identifies what type of **media** is to be produced. Values are: CDR – record on CD-R media DVDR – record on DVD-R media DVDR_DL – record on DVD-R Dual Layer media DVDR_BD – record on Blu-ray media DVDR_BD_DL – record on Blu-ray Dual Layer media DVDR_BD_XL – record on XL Blu-ray media DVDR_BD_TL – record on TL Blu-ray media DVDR_CSS – record on CSS media DVDR_CSS_DL – record on CSS DL media **Note:** Media type can be specified using either "_" or "-". For example to specify Blu-ray Dual Layer media, either DVDR-BD-DL or DVDR_BD_DL can be used.	CDR
MediaSize **ImageSize**	A number value that identifies the size of the selected media, expressed in minutes of recording time. The default value is 74 minutes. This value is used by the software to ensure that the content can fit on the disc. The valid **mediasize** values are: 0 – select a media size of 0 minutes (size is unchecked by the software) 63 – select a media size of 63 minutes 74 – select a media size of 74 minutes (standard CDR) 80 – select a media size of 80 minutes 500 – select a media size of 500 minutes (DVD disc) 1000 – select a media size of 1000 minutes (DVD Dual Layer disc) **Note:** Mediasize is linked to media type mapping. For example, if the mediasize = 1000, then in Production Order, the Media Type will be DVDR. Usually only media or media size needs to be specified. When one of the values is specified, the other is derived. If both values are specified and they are conflicting, media type will be used and media size will be ignored.	74
Priority	The priority of the order. A value of '0' is the highest priority and a value of '9' is the lowest. The Production Server and Imaging Server process replication orders according to the order priority value: 0, 1, 2 – High Priority 3, 4, 5, 6 – Normal Priority 7, 8, 9 – Low Priority	4

Identifier	Value	Default value
Get_Disc **GetDisc**	Specifies the carousel bin to use for blank discs. You must also use the **use_server** statement to identify the Production Server and autoloader to use; otherwise the Production Server will reject the order. To use this function, the Reserve Input option must be enabled in the Production Server application. DEFAULT – Use the currently defined default media input source for blank discs. The value of DEFAULT is the same as if the **get_disc** statement was omitted. 1 – n – Use the numbered bin/spindle for media.	DEFAULT
Put_Disc **PutDisc**	Specifies where to place completed copies. You must also use a **use_server** statement to identify the Production Server and autoloader to use for the job, otherwise, the Production Server will reject the order. The valid **put_disc** values are: DEFAULT – Use the currently defined output bin (all Producer autoloaders) for completed copies. The value of DEFAULT is the same as if the **put_disc** statement was omitted. MAILSLOT – Use the mail slot for output. The Reserved Output option must be enabled in the Production Server parameters.	DEFAULT
Use_Server **UseServer**	Specifies the Production Server and autoloader that the order is to be processed on, in the form **use_server = Host_name_xxxx,n** where ***xxxx*** is the Production Server identifier, and ***n*** is the autoloader number ranging from 1 to 4 (e.g., **use_server = Mfg_PC_0001,1**). Some Rimage systems allow more than one autoloader to be connected to the Control Center. When only one autoloader is connected to the Rimage Control Center, the autoloader number (n) is not required.	No default
Rotate	Specifies the rotational offset in degrees for the Perfect Print pre-print disc alignment feature. The Perfect Print option must be installed for this parameter to work. The value is expressed as the number of degrees that the index mark is offset on the disc. The range of settings is from 0.25 to 359.75 (in increments of 0.25 degrees) representing a rotation amount of 0.25 to 359.75 degrees. For example, 90 degrees is specified as 90.00. If the **rotate** statement is present in an order, the disc is rotated by the amount specified prior to printing. If the statement is not present, no rotation is performed.	No default
Security	Specifies the type of security modifications to make to the recording. The form of the statement is **security = ordinal, string**. The **ordinal** indicates which type of security to apply to the recording and **string** is a sequence of characters passed to the encoding software. **Ordinal values:** 0 – Do not apply security modifications (same as if the **security** statement was omitted); **string** is ignored. 1-9 – Available for customer defined use through modifydisc.dll. See modifydisc.dll documentation for more details on this.	0

Identifier	Value	Default value
Volume	Specifies the disc volume name. The disc volume is blank if not specified. For ISO9660 the disc volume allows up to 32 characters For HFS (which cannot be blank), the disc volume string allows up to 27 characters. Joliet allows 16 Unicode characters. UDF allows 32 Unicode or ASCII characters. The Rimage Image Server automatically truncates the volume names to those limits. Version of the imager from 8.8 and later allow 126 for non-Unicode or 63 Unicode characters for UDF volume names.	No Label
Copies	Specifies the quantity of copies to make. The allowed range is unlimited.	1
Fixate	Specifies the type of fixation to apply to the recording: APPEND – allows additional sessions to be added to the disc (default). NOAPPEND – closes the disc (final fixate) and does not allow additional sessions to be added to the disc.	APPEND
Email	Specifies the email address to be notified upon a Production Order completion. **Notes**: • This option requires additional setup through the Rimage software, refer to page 23 for more information. • This option has no effect on Image Only jobs.	No default
Disc_Format **DiscFormat**	The type of audio CDR recording to produce. Two formats are supported: **disc_format = RED_BOOK** **disc_format = BLUE_BOOK** When the value RED_BOOK is present, all **audio_file** statements that are present in the order file are extracted and the files referenced therein are recorded track-by-track in the order presented as a single disc session conforming to the Red Book Compact Disc Digital Audio standard. The audio tracks are recorded in disc-at-once mode. When the value BLUE_BOOK is present, all **audio_file** statements that are present in the order file are extracted and the referenced files are recorded in the first session on the disc as described above (see RED_BOOK description). For the second data session on the disc one of two options exist: 1. The first encountered **data_file** statement is extracted from the order file and the file it specifies is recorded on the disc as a second data session. Or 2. The file statement is used in conjunction with the filetype statement. filetype statement can be PARENT, EDITLIST, IMAGE, or IMAGE_DELETE. Refer to the description of the filetype statement. **Note:** The presence of both the **file** and **data_file** statements is considered an error. The resulting disc structure is technically termed Blue Book and is more popularly known as Enhanced CD.	No default

Identifier	Value	Default value
UPC/EAN **UPC-EAN** **UPC_EAN** **UPCEAN**	A string of 13 decimal digits to record as the UPC/EAN code on the disc (optional and can be omitted if no UPC/EAN code is to be included in the recording). **UPC/EAN = 3141592653589**	No default
Audio_File **AudioFile**	A string of up to 260 characters specifying an audio file to place on the disc along with qualifying parameters. There can be up to 99 **audio_file** statements in an order (one for each possible track on the disc). Each **audio_file** statement results in a single audio track on the disc recorded in the same order as specified in the order file. The file statement is formatted as: **audio_file = filename, ISRC:value, emph:value, digcopy:value,** **pause:value,channel:value index:value, index:value,…,index:value** **Filename** parameter – File specifications can be given as either drive-based or UNC forms. The UNC (Universal Naming Convention) form is preferable to avoid confusion that results from different network nodes detecting the same physical drive by a different drive letter. **Note:** The Network Publisher supports PCM, WAV, MP3, WMA, and AIF project files. All WAV files are required to be 16-bit sampled at 44.1 kHz. The file type is determined by inspection with the default type being PCM if the file is not otherwise recognized as WAV.	No default
	ISRC parameter –The ISRC parameter specifies the Industry Standard Recording Code for the track. It is coded as shown below and if omitted, no ISRC is recorded on the disc: **ISRC: value …or… is:value** Value is a string of at most 12 characters consisting of the numbers 0-9 and/or the letters A-Z (uppercase only) in the first five character positions and only numbers 0-9 in the remaining positions per the Red Book standard.	No default
	Emph parameter – The emphasis parameter specifies whether preemphasis has been applied to the file. It has values of ON or OFF. **emph: value …or… em:value**	OFF
	Digcopy parameter – The digcopy parameter specifies whether digital copy is permitted or not as defined in the Red Book standard. It has values of YES or NO. **digcopy: value …or… dc:value**	NO
	Pause parameter – The pause parameter specifies the amount of audio silence to apply to the start of the track. It is specified as the number of frames where 75 frames = 1 second. **pause: value …or… ps:value**	150

Identifier	Value	Default value
	Index parameter – Each index consists of a numeric value that specifies the starting point in number of frames (75 frames = 1 second) of the index relative to the beginning of the track. Each index point is encoded as follows, and no indices are encoded in the recording if no **index** values are given. **ix: value**	No default
	Channel parameter – Specifies whether an audio track has 2 or 4 channels. Valid values are TWO or FOUR.	TWO
Data_File **DataFile**	A string of up to 260 characters specifying a data track image file to place on the CD-R. A data image file can be created using the QuickDisc application, by a custom application that uses the Rimage Client API and/or by an application that interfaces directly with the Rimage Imaging Server. The file statement is formatted as follows: **data_file = filename** The filename parameter identifies the fully qualified path to the image file; it can be given as drive-based or UNC forms. The UNC (Universal Naming Convention) form is preferable to avoid confusion that results from different network nodes detecting the same physical drive by a different drive letter. The file statement can also be used for this purpose. Refer to the file statement description. The job will fail if both the **file** and **data_file** statements are present in a **disc_format = BLUE_BOOK** job**.**	No default
Zip **Zipping**	This is set to **true** or **false**. When true certain files will be added to a zip archive file on the media. The files are selected by ZipWhichFiles.	False
ZipWhichFiles	The allowed values are **All** or **RootFilesNotZipped** or **SelectedFiles**. If All is chosen all the files will be placed in the comp.zip file on the media. If RootFilesNotZipped is chosen then only files that are not in the root of the media will be put in comp.zip. This allows for files to be added to the root that won't be zipped. SelectedFiles is an option that is only available in an XML formatted editlist. Only files marked for zipping in the editlist will be included in the zip archive. This allows for detailed control over which files are zipped. Documentation is available from Rimage detailing the editlist format.	RootFilesNotZipped
ZipFileName	This allows for renaming the zip archive on the media. It is simply a filename with no path.	Comp.zip
ZipPasswordType	This can be **compatible** or **AES**. Note that Windows does not natively support AES formatted passwords.	compatible
ZipPassword	This is the password that will be used to encrypt the zip archive file. Note that the characters must be ASCII, Asian and other foreign languages that require Unicode will not work correctly.	

Identifier	Value	Default value
ZipSelfExtract	This is **true** or **false**. Setting it to true will result in a Windows exe file being created instead of the usual comp.zip file. Executing this file will run a built-in extract program. Due to Windows exe limitations this file cannot be larger than 4Gb. This option may be combined with ZipPassword.	False
ZipCompressionType	This is the compression type used by the zip file. Values are **none**, **deflate**, **deflate64**, **bzip2**, **lzma** or **burrowswheeler**. Note that Windows natively only supports deflate. The others are more efficient for some kinds of files. All of these may be used with ZipSelfExtract.	deflate

Order File Examples

Below are examples of order files to demonstrate how to create certain types of order files for Network Publisher.

Order File Example 1 (Data CD from a Parent Directory)

Note: When specifying a parent directory, you must specify the folder in which the desired file(s) is located, not the file(s) itself.

```
file = C:\Program Files\Adobe
filetype = PARENT
label = C:\Rimage\Labels\sampleLabel.btw
```

Order File Example 2 (Data CD from an Editlist Order)

```
file = C:\Rimage\Editlist\sampeEditList.txt
filetype = EDITLIST
label = C:\Rimage\Labels\sampleLabel.btw
```

Order File Example 3 (Image file to Disc Order)

```
file = C:\Rimage\CD-R_Images\testImage.iso
filetype = IMAGE
label = C:\Rimage\Labels\sampleLabel.btw
```

Order File Example 4 (Print Only Order)

```
filetype = PRINT_ONLY
label = C:\Rimage\Labels\sampleLabel.btw
```

Order File Example 5 (Red Book Order)

```
disc_format = RED_BOOK
audio_file = C:\Rimage\Tracklist\Test1.mp3
audio_file = C:\Rimage\Tracklist\Test2.wav
label = C:\Rimage\Labels\sampleLabel.btw
```

Order File Example 6 (Blue Book Order)

```
disc_format = BLUE_BOOK
data_file = C:\Rimage\CD-R_Images\Test_Image.img
audio_file = C:\Rimage\Tracklist\Test1.mp3
audio_file = C:\Rimage\Tracklist\Test2.wav
label = C:\Rimage\Labels\sampleLabel.btw
```

Order File Example 7 (Perfect Print, Power Image, and Merge Fields Order)

In this example, an order identifier is specified, UNC naming is used for file locations, the PowerImage feature is specified on the **imtype** line, Perfect Print option is specified to rotate the disc 180.5 degrees, and the merge file is used:

```
order_id = test1
file = c:\dir1
file = \\SRVR2\Drive_C\File_1\
filetype = PARENT
imtype = ISO9660L2_RELAX, PI
label = \\SRVR2\drive_c\labels\label345.btw
labtype = EDITOR_FMT
merge = \\SRVR2\drive_c\mergedata\list32.txt
```

```
rotate = 180.50
```

When this order enters the Rimage Imaging Server and Production Server, the user-assigned identifier is shown (as it is for all IDs), but the benefit is that the identifier is recognizable. The label file was created previously with merge fields by using the Rimage CD Designer label editor program (which assigns a *.btw* extension). The merge file has merge data that corresponds to the merge fields in the merge label.

Order File Example 8 (CDR in the ISO9660 Level 2 File Format Order)

Note: For examples 8 and 9, the sample source data is: C:\ dir1\ subdir1\ file1 ”\ ”\ ”\ file2

Create a CDR in the ISO9660 Level 2 file format (long file names) with the contents of *subdir1* at the root of the disc. This example shows the simplest form of a Network Publisher order.

```
file = c:\dir1\subdir1
```

The resulting disc has *file1* and *file2* in the root of the disc.

Note: An order identifier is automatically assigned.

Order File Example 9 (CDR with Label and Multiple Copies Order)

Note: For examples 8 and 9, the sample source data is: C:\ dir1\ subdir1\ file1 ”\ ”\ ”\ file2

Labels, containing merge fields, created for use with Network Publisher, need to have the merge fields specified with the ‘Database’ option instead of the ‘MergeField’ option.

To create a CDR in ISO9660 Level 1 file format (8.3 file names) with subdir1 in the root of the disc, request 3 copies, and print the CD Designer label (label_1.btw):

```
file = c:\dir1
filetype = PARENT
imtype = ISO9660L1_NORELAX
copies = 3
label=c:\Rimage\labels\label_1.btw
```

The resulting disc has *subdir1* in the root and *file1* and *file2* within *subdir1*.

Note: The **filetype** statement could be omitted since the default is specified.

Order File Example 10 (CDR with HFS Volume)

Same as example 9, except the Macintosh HFS file system is to be included in the disc:

```
file = c:\dir1
file = c:\dir2
filetype = PARENT
imtype=ISO9660L2_RELAX, HFS
volume=DEMOPROGRAM
```

Note: The **filetype** statement could be omitted since the default is specified, but the **imtype** statement is needed to specify the HFS option.

Order File Example 11 (Editlist, UNC Naming, and High Priority Order)

This job uses an Editlist, uses UNC naming convention, and sets the priority to the highest level:

```
file = \\pc21\Drive_C\rimage\my_list.txt
filetype = EDITLIST
imtype = ISO9660L2_RELAX
label = \\pc21\Drive_C\rimage\some_label_2.btw
priority = 0
volume=DEMOPROGRAM
```

The Editlist file is located on the networked computer (pc21) and is located in the \rimage folder. This job is processed ahead of all others of a lower priority. Network Publisher selects jobs based on earliest order file creation date with the highest priority.

Order File Example 12 (ParentFolder, Zip, and Zip Password)

This job uses ParentFolder and zips all the contents that are not in the root of the disc:

```
file = C:\users\Rimage\testfolder
filetype = PARENT
zip = true
zippasswordtype = AES
zippassword = abc
label = C:\Rimage\Labels\sampleLabel.btw
```

Order File Example 13 (ParentFolder, AllowSpanning)

This job uses ParentFolder and will create as many discs as necessary for the content, files will be split to fill each disc volume:

```
file = C:\users\Rimage\testfolder
filetype = PARENT
allowspanning = true
label = C:\Rimage\Labels\sampleLabel.btw
```

Order File Example 14 (ParentFolder, AllowSpanning, SplitFileIfOver)

This job uses ParentFolder and will create as many discs as necessary for the content, files will only be split if they are too big for the volume size:

```
file = C:\users\Rimage\testfolder
filetype = PARENT
allowspanning = true
splitfileifover = false
label = C:\Rimage\Labels\sampleLabel.btw
```

Operate Network Publisher

Initialize the Software

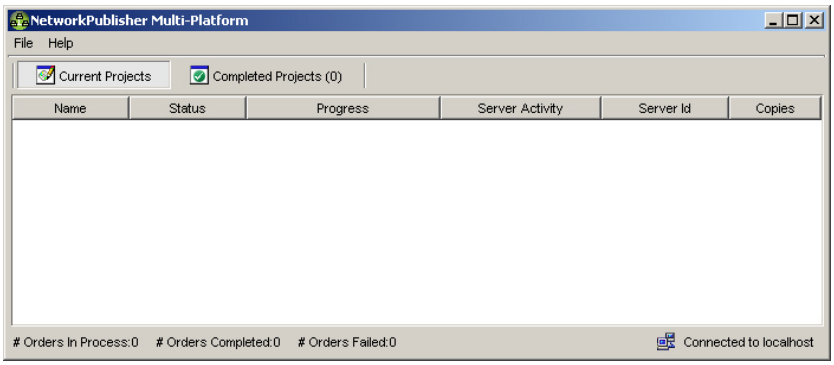
Before initializing the Network Publisher software:

- If desired, edit the **netpub.ini f**ile in the Program Files\Rimage\Messaging folder. Refer to *Edit the Initialization File* on page 4.
- If the ORDER_DATA_PATH value was modified in the **netpub.ini** file, create the folder where the order files will be placed. The **netpub.ini** file specifies the location of this folder.

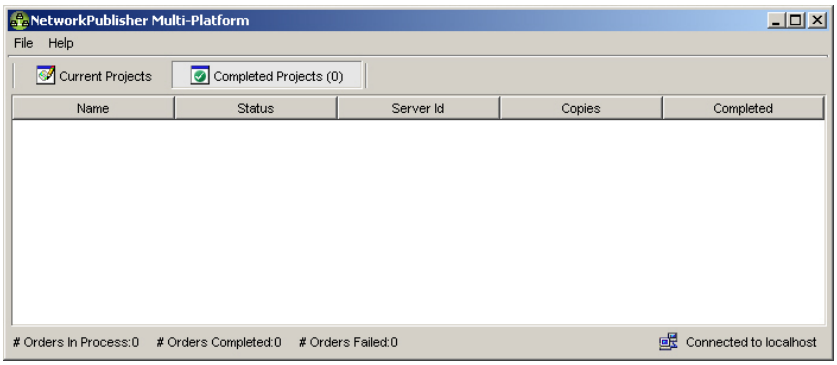
When Network Publisher is installed and configured, start the Rimage software to enable processing orders.

View Current and Completed Orders

Select **Current Projects** to view orders currently in progress.



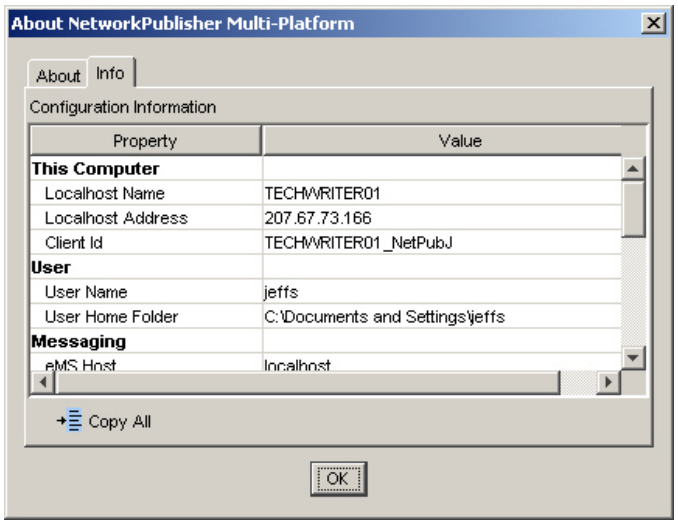
Select **Completed Projects** to view information on completed orders.



Access System Information

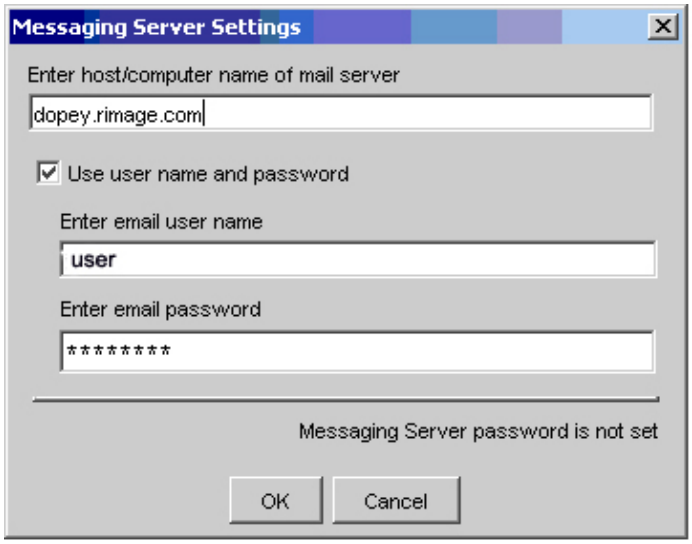
For system information,
navigate: Network Publisher > Help > About > Info.

Note: To view this Programming Guide, **navigate**: Network Publisher > Help > Help.



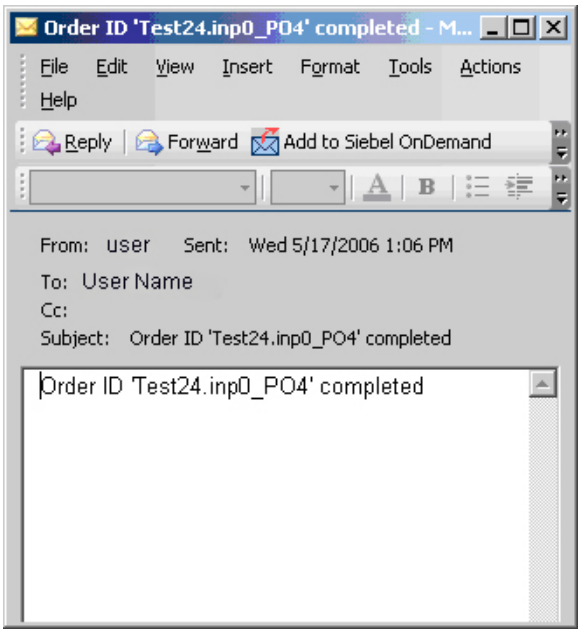
Set Up Email Notification with Rimage Software

1. Set the Messaging Server Settings.
   a. Open **Rimage System Manager**.
   b. **Navigate**: Messaging > Messaging Server Settings.
      The *Messaging Server Settings* window opens.
   c. Enter the **host/computer name** of the mail server.
   d. Enter the email **user name**.
   e. Enter the email **password**.



2. Specify the email address in the Network Publisher order file.
   Example:
   file=C:\program files\adobe
   email=user@rimage.com

This is an example of what an email notification looks like:



About Editlists

Refer to the *Using Editlists* document found on the Network Publisher software disc in the **Manuals** folder for more information about Editlists.

Support information

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Contact Rimage Services:	When you contact Rimage Services, please provide:
Website: www.rimage.com/support.html **Knowledge Base:** http://rimage.custhelp.com Log in and select the ***Ask a Question*** tab	• System serial number and software version • Functional and technical description of the problem • Exact error message received