

# Enterprise Output Manager

UCopyIt  
Guide

# UNISYS

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**Release 3.1b**

Printed in USA

February 2010

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## Section 1

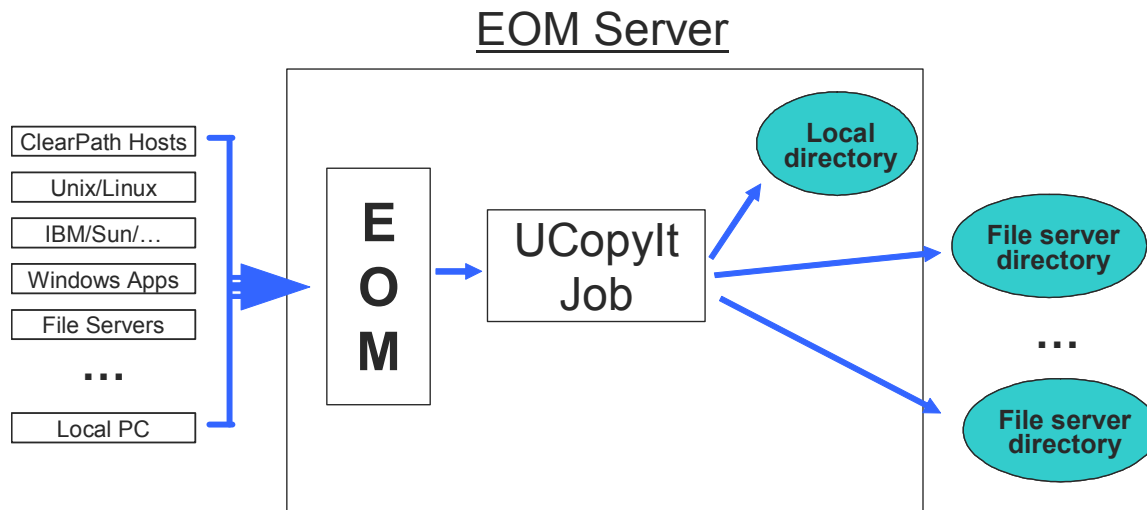
# Introduction

Enterprise Output Manager is a totally integrated output management solution that allows you to automatically customize and send selected output file data to the destination of your choice: workstation, file server, mainframe, e-mail, fax, printer, Web site, PDF file, or custom program. The Output Manager Data Dependent Attribute (DDA) feature has the capability to split input files (see DDA Start Job syntax in the Output Manager Help file). The UCopyIt program, configured as an Output Manager Custom Job, provides an additional solution to copy files into directories. This capability does not require any change to the application producing the file and provides flexible control of the use of that file.

UCopyIt can be seamlessly added to existing Output Manager Release 7.0 and later installations, requiring only the addition of Output Manager configurations to direct files to the program (File Mask), optionally format the incoming data stream (Print Attribute), and start the Custom Job (Custom Job Attribute).

The following figure shows the process of copying files using the UCopyIt program. First, Output Manager receives files from various remote and local sources, including ClearPath hosts, UNIX systems, Linux systems, Windows applications, and file directories. Depending on the Output Manager configuration, some or all of these files are passed to UCopyIt (an Output Manager "Custom job"), which Output Manager executes once for each file.

On each execution, UCopyIt copies the file to a directory as per the command line parameters.



## Section 2

# Installation and Configuration

Installation is performed by manually copying the UCopyIt.exe program to the EOM PC, placing it in an appropriate directory. For example, the UCopyIt.exe file might be placed in a directory named c:\CustomJobs.

Configuring the UCopyIt Custom Job requires steps on the EOM PC. You must decide which files sent to Output Manager are to be copied to directories and which directories these input data files will be copied into. These decisions impact the Custom Job command line parameters as well as operations requirements for file management and fault handling.

## UCopyIt Custom Job Attribute

A Custom Job attribute defines what program to execute and what parameters are to be passed to that program. In addition to the name and location of the UCopyIt executable, the command line for UCopyIt has required parameters and optional parameters. The format of the command line is:

```
UCopyIt.exe InputFile OutputDir (options)
```

An example Custom Job Command Line is:

```
C:\CustomJobs\UCopyIt.exe "<PCFILENAME>" c:\temphold /d
```

## Parameterized Options

<u>Option</u>	<u>Description</u>
InputFile	is a file name pointing to the original input file
OutputDir	is a directory where the file is written
FN=xxx	is an optional filename to write data into (OutputDir + xxx) (see notes)
FNE=xxx	is an optional filename to write data, extension increments (see notes)
FE=xxx	is an optional filename extension, does not increment (see notes)
AN=yyy	is an optional host file name to be used with /L option
FLR=xxx	is an optional fixed length record size (expands with spaces, does not truncate)

## Program Operation Options

<u>Option</u>	<u>Description</u>
/d	to delete the InputFile when done writing to output directory
/nr	no rename, delete if file exists in Outputdir
/nw	for no wait -- disable single thread
/ff	to remove formfeed at beginning of file
/ffCR	remove formfeed, space CR at beginning of file
/af	add a formfeed at the end of file if not one
/L	to log the Custom Job run in a text file
/LEL	to log errors to the Event Log
/dt	use date & time for new file (MMDDHHMSSmmm.xxx)
/a	append to an existing file
/dt	Use date & time for new file (MMDDHHMSSmmm.xxx)
/dty	use the date/time/year (YYMMDDHHMSSmmm.xxx)
/RBL	to remove blank lines
/NotFFCR	remove space CR, not FF at beginning of file
/cd	create directory if it doesn't exist
/CNO	to change the name ONLY (don't copy)
/CRisCRLF	count CR as CR AND LF while editing input file
/CF	change the default filename handling from cycling extension to cycle the filename

### Notes:

- If you use the FN= option, you can't use the FNE= option.
- If you use the FN= option, you can't use the FE= option.
- If you use the FNE= option, you can't use the FE= option.
- If you use the FN= or FNE= option, you can't use /dt or /dty options.
- If you use the FN=, the FNE=, or the FE= options, you can't use /CF option

## Required Output Manager Configuration

Aside from the File Mask that submits the input file to the UCopyIt Custom Job Attribute, other Output Manager configurations may be required when using UCopyIt.

A Print Attribute may be required to compose the input data file stream prior to copying it to the directory. A typical example is when there are Output Manager specific code sequences sent from the MCP or OS 2200 host that are to be removed prior to writing the output file. This Print Attribute is typically defined with a "Generic" or "Generic-NoFF" Printer Driver. Similarly, a Print Attribute may be used to fully compose the print data into a page definition language (like PCL or PostScript) prior to putting the stream in the destination directory, for example to feed a document archive system. Print Attributes may reference Data Dependent Attributes for data stream manipulation. If a Print Attribute is used, the pseudo printer "USER-PR" must be enabled.

Note that if a Print Attribute is defined on a Custom Job, Output Manager composes the data stream in a temporary file that is passed to the Custom Job. Typically it is the Custom Job's responsibility to dispose of this temporary file, which can be accomplished using the "/d" option. Please note that if you aren't using a Print Attribute but did use the "/d" option, then UCopyIt will dispose of the original input file, usually an undesirable action.

The File Group settings must be set "long enough" for the Custom Job to access the file. This is not an issue when using a Print Attribute because a temporary file is created. Without a Print Attribute, the original file name is typically passed to UCopyIt and unless the File Group is set to hold onto the file for a duration it is possible that Output Manager will remove the file before the UCopyIt program is done with it. As a general rule, when not using a Print Attribute, set the File Group to remove the file from the Output Manager database after 1 hour.

## Error Handling

If the UCopyIt program fails or if the "/L" logging option is used, an entry is added to the UCopyIt log file, which can be found in the same directory as the UCopyIt program. The log file entry will describe the failure and include the entire syntax used to execute the Custom Job. There can be a log file for each day, where the filename looks like:

UCopyItLog040210.txt

Where "04" is the year, "02" is the month, and "10" is the day this instance of UCopyIt executed.

The Output Manager Event Log will also contain entries describing the failure, Use the Log Viewing & Report tool to view these messages if the real-time Event Log has scrolled beyond the error messages.

If the Custom Job property "Disable job if application fails" is set to "Yes" (EOM 8.1 and above) and there is a failure, an Alert will be set with the exit code for the type of failure:

- 0 - No failure, program completed normally.
- 10 - Problem with the command line syntax used.
- 11 - Program started, but there was a processing issue.
- 20 - The program encountered an exception.

## When to use UCopyIt

The UCopyIt Custom Job is just one way to copy files into directories from the Output Manager environment. Other options that can be used to copy files into directories include:

- 1) Using an Output Manager defined printer configured with "Print to File" option, a Print Attribute's Web/File Output setting "Output file Directory Alias" and "Output file naming rule" properties, and a Print Job to process the input file. This option provides better control and tracking of the file copy/creation process because each file is handled as a Print Job, single threading file creation through an Output Manager printer. Note that the Output Manager keyword substitution feature allows for great file naming flexibility when used in the "Output file naming rule" property.
- 2) Using a Custom Job attribute with a blank "Application to start" property, and setting the "Output directory path" to the desired output directory. A Print Attribute's Web/File Output setting "Output file naming rule" property can be used to format the name of the file.
- 3) Using a Custom Job to run a command-line COPY (or MOVE) command, or FTP, or a .BAT file that in turn does a COPY/MOVE

Using the Output Manager printer "Print to file" option should be considered first because it likely satisfies most copying requirements and is an integrated part of the Output Manager software. UCopyIt may be required if there are specific file manipulation requirements (see /ff, /ffCR, /af /a options), or in some high volume environments.