

Enterprise Output Manager

UEOMWeb Guide

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Release 1.0

June 2007

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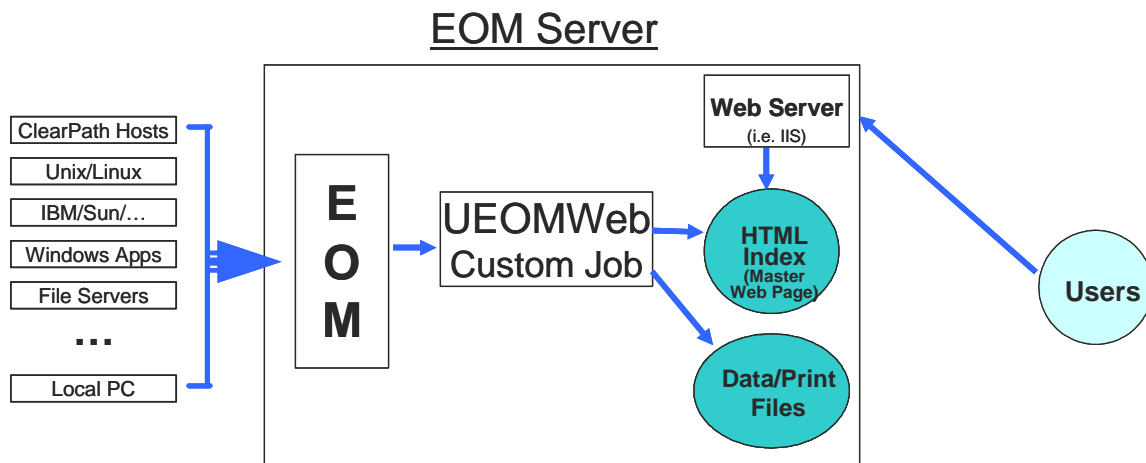
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Section 1

Introduction

The UEOMWeb program extends the Unisys Enterprise Output Manager software capabilities by providing another output option—a simple web accessible list of files processed. Even file types not normally associated with Output Manager processing, such as audio, video, and PowerPoint, can be written to the list of files.

UEOMWeb can be seamlessly added to existing Output Manager Release 6.1 and later installations, requiring only the addition of Output Manager configuration statements to direct files to the program (File Mask), optionally format the incoming data stream (Print Attribute), and start the UEOMWeb program (Custom Job Attribute).



Section 2

Installation and Configuration

Installation of the UEOMWeb program is manual, following these steps:

1. Copy the UEOMWeb.exe program to the PC or server running the EOM software, placing it in an appropriate directory. For example, the UEOMWeb.exe executable might be placed in a directory named c:\CustomJobs.
2. Copy the UEOMWeb base.htm file (a.k.a. “master web page”) to the same directory as the UEOMWeb.exe executable.
3. Edit the base.htm file, adding graphics, styles, text, and identifying desired display fields from those available from EOM.

Configuring the UEOMWeb Custom Job requires steps on the EOM PC. You must decide where the input data files, master web page, and modified output files will be placed. These choices are implemented via the Custom Job command line parameters, but must be defined via the EOM configuration.

File Access Setup – Input Data Files

The UEOMWeb program requires an input data file, which is written to an output directory that must be accessible to UEOMWeb. The UEOMWeb command line parameter **D1** defines where the input data file should be written. Examples:

1. Create a directory/subdirectory structure on the EOM PC/server. For example, a directory of “MCP Listings” could contain a subdirectory for each MCP usercode that is used to compile (and print to EOM) programs. Access to the files is via the “master web page” that is exposed via the Web server also running on the EOM PC/server.
2. Use a UNC name like: “\\WebServer1\Data\MCP Listings” to route files to a separate PC/server. That PC/server may also host the master web page and web server.

UEOMWeb base.htm File Setup

This “master web page” file is used as a template for the HTML index file that is updated with each file processed by UEOMWeb. The base.htm file supplied with the UEOMWeb program is very basic and should be used as a template for the desired content and format of the HTML index file. This file can be edited using a text editor (such as Notepad) or an HTML editing tool of your choice. The primary requirements are as follows:

1. The resultant base.htm file is a valid HTML file that current browsers can display without error.
2. The lines listed below are NOT changed:

```
<!-- File list top -->  
<!-- File list bottom -->
```

3. The table headings are selected and represented under the line:

```
<!-- set up table headings to match desired output fields -->
```

EOM stores file specific characteristics for each file that is received. These values are visible in the Display Fields of the Management windows (i.e., File Management, Print Job Management). For example, files received will have a Host System value, Transport Type value, and estimated pages value just to name a few (as there are over fifty possible fields). A subset of these fields is available through the Custom Job command line and can be used by the UEOMWeb program to create the HTML index file contents. The base.htm file should be edited to represent those field values to be displayed in the table. The default base.htm file displays Host System, Host Queue, Host File Name, and Host Banner. The corresponding UEOMWeb Custom Job Attribute for this default base.htm is displayed in the next section.

The default selection is:

```
<!-- set up table headings to match desired output fields -->  
<TR>  
  <TH>Date/Time  
  <TH>Host System  
  <TH>Host Queue  
  <TH>Host File Name  
  <TH>Host Banner  
</TR>
```

Example On-line Report Repository

Reports, for EOM display fields selected for UEOMWeb Custom Job

Date/Time	Host System	Host Queue	Host File Name	Host Banner
06/17/06 15:42	Host A	MCPListingQ	(FRED)Listing/MyProgram/abc on PACK	FredBanner1
06/17/06 15:42	Host B	PRINTQ	(SALLY)Listing/Program1 on USERFILES	SALLY
06/17/06 13:24	Host A	MCPListingQ	(FRED)Listing/MyProgram/abc on PACK	FredBanner1
06/17/06 12:11	Host A	MCPListingQ	(FRED)Listing/MyProgram/abc on PACK	FredBanner1
06/17/06 08:03	Host B	PRINTQ	(SALLY)Listing/Program2 on USERFILES	SALLY

Values for these table entries are passed to UEOMWeb using command line parameters as described in the next section.

UEOMWeb 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 UEOMWeb executable, the command line contains the input file, output directory, master web file (.htm), file manipulation parameters, and a host of options. An example Custom Job Command line is:

```
C:\CustomJobs\UEOMWeb.exe I1="<PCFILENAME>" D1=\\Svr1\outputdir
MWP=\\Svr1\outputdir\base.htm P1=<HOSTSYS> P2=<HOSTQUEUE> P3=< ORIGFILENAME>
P4=< BANNER> P5=MAINFRAME PL=3 FE=txt /L /HTML /VF /EntryAtTop
```

Parameterized Options

Option	Description
I1=InputFile	is a file name pointing to the original input file
D1=OutputDir	is a directory where the file is written
MWP=WebPage	is the "master web page", where file entries are inserted
FN=xxx	is an optional filename to write data into (OutputDir + xxx) (<i>see notes</i>)
FNE=xxx	is an optional filename to write data, extension increments (<i>see notes</i>)
FE=xxx	is an optional filename extension, does not increment (<i>see notes</i>)
AN=yyy	is an optional host file name to be used with /l option
P#=xx	is the value for the HTML index file column number from 1 to 10, where the value xx could be static (i.e. P1=Archive) or dynamic, specifically one of the <keyword substitution> values. Examples include: HOSTSYS, HOSTQUEUE, ORIGFILENAME, BANNER
PL=x	is the column number to link the actual file to in the HTML index file. For example, if P1, P2, P3, and P4 options are specified, the PL= option would be "1", "2", "3", or "4" so that when the HTML page is displayed, the column number value has a hyperlink to the actual input file

Program Operation Options

Option	Description
/HTML	to convert text input file into formatted HTML file
/EntryAtTop	to insert file information at the top of the Master Web Page instead of at the bottom of the file list
/VF	to verify all Master Web Page linked files exist, removing entries in the file list for files that do not exist anymore
/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 User Job run in a text file
/LEL	to log errors to the Event Log
/dt	Use date & time for new file (MMDDHHMMSSmmm.xxx)
/dty	use the date/time/year (YYMMDDHHMMSSmmm.xxx)
/cd	create directory if it doesn't exist
/CR	is CRLF; make sure all CR are CRLF
/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.

Output Manager File Masks

An EOM File Mask is used to define how to identify a particular file or group of files and then what to do with that file or files. When an incoming file matches the selection criteria defined in one of the File Masks, EOM performs the actions specified in the File Mask configuration, typically one or more of the following: Print Jobs, Transfer Jobs, Backup Jobs, Mail Jobs, or Custom Jobs. The UEOMWeb program requires at least one File Mask and that File Mask will create a Custom Job that executes the UEOMWeb program.

Consider the following when defining the File Masks and Custom Job attributes for this process:

1. How to identify the files for UEOMWeb to process?
2. Within this subset of files, do some require Print Attributes to process the input data?
3. What file extension will be used for the file listed in the Master Web Page?

Section 3

Miscellaneous

Removal of “old” files

Without intervention the Master Web Page will continue to grow and can become cumbersome to the end user. There are a couple of options to keep the Master Web Page current:

- a) Manually edit the Master Web Page, removing older file list entries (and the actual files)
- b) Use the “/VF” verify files option in conjunction with EOM’s File Expiration Search feature. A File Expiration Search can be configured to remove files after a specified timeframe, which can be used to remove files sent to UEOMWeb older than the specified time. When the WEOMWeb Custom Job is executed with the ‘/VF’ option, entries for files removed by the File Expiration Search will be removed from the Master Web Page. It is not suggested that the ‘/VF’ option be used for every incoming file, rather a regularly received file (i.e. once a day/week) or a file intentionally sent to kick of the UEOMWeb program with the ‘/VF’ option.

Error Handling

If the UEOMWeb program fails or if the “/L’ logging option is used, an entry is added to the UEOMWeb log file, which can be found in the same directory as the UEOMWeb 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:

UEOMWeb070330.txt

Where “07” is the year, “03” is the month, and “30” is the day this instance of UEOMWeb 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.

