

EOM from Scratch

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What You Will Need

- ◆ EOM release software on CD (9.0)
- ◆ Windows system to run the server
 - Desktop OS (XP Pro, Vista/Win7 Business+)
 - Server OS (2003, 2008)
- ◆ Windows system to run the client
 - May be same as the server system or a remote PC
 - Can have multiple remote clients for the same server
- ◆ MCP system to generate print requests
 - Must have network connectivity to the server
 - Must have the EOM (DEPCON) print driver

MCP-4033/4049 4

Presentation Topics

- ◆ EOM Installation and Initial Configuration
- ◆ Printing from MCP through EOM
- ◆ Printing from EOM as Email
- ◆ Printing from EOM with a Form Overlay
- ◆ Printing from EOM as PDF

MCP-4033/4049 2

What Else You May Need

- ◆ In order to send email
 - An SMTP email server
 - Microsoft Exchange, IIS SMTP, SendMail, Postfix, etc.
- ◆ In order to generate PDF output
 - A PDF print driver
 - Dane Prairie Win2PDF
 - Amyuni PDF Creator
 - *NOT Adobe Acrobat Distiller*
- ◆ Some time and patience
 - Check out the step-by-step script
 - <http://www.digm.com/UNITE/2012>

MCP-4033/4049 5

EOM Installation & Initial Configuration

Installing EOM

- ◆ EOM 9.0 requires .Net Framework 4.0
 - Must be installed first
 - Included on EOM release CD
- ◆ Consider type of system for the server
 - Power, capacity, existing workloads
 - Server vs. desktop-grade OS
 - Cost of PDF print driver licenses
- ◆ Standard Windows MSI process
 1. Server component
 2. Client component (on same or different system)
 3. Sentinel Alert Service (optional, but recommended)

MCP-4033/4049 6

Server Installation Options

- ◆ Probably want to install...
 - Documentation (well, maybe not the Flash videos)
 - COM interface
 - XlateEBCDIC library for MCP translation
- ◆ Usually don't want...
 - PCL Bar Code Fonts
 - Legacy Interface Assistant
- ◆ Possibly want...
 - TrueType Bar Code Fonts
 - SNMP Agent

MCP-4033/4049 7

EOM Access Control

- ◆ EOM supports role-based security
 - Install creates a single "Administrator" role
 - Creates a *local* user group, named "Output Manager Administrators"
 - Must add users to this group who will administer EOM
- ◆ If you installed SAS
 - Uses two *local* user groups
 - SPO Administrators
 - SPO Users
 - At least add users to the SPO Administrators group
- ◆ Accounts added to groups must *log off and back on* to enable their new privileges

MCP-4033/4049 10

Server Installation Issues

- ◆ If OS is Vista, Windows 7, or Server 2008
 - By default, EOM installs into "Program Files" folder
 - Holds data and configuration files in addition to code
 - Access is problematic for these OS versions
 - Consider installing into C:\unisys\EOM or similar
- ◆ EOM runs as a Windows service
 - By default, runs under Local System account
 - Works fine for many situations, but...
 - Local System cannot access network resources
 - May need to run service under a domain account
 - Configured in service Properties, Log-on tab
- ◆ Don't start the service yet!

MCP-4033/4049 8

Starting the EOM Client

- ◆ First, start the service, if necessary
- ◆ Run the client
 - Prompts with a "Select Server" dialog
 - Can configure a default server to auto-connect under the Tools > Options menu on EOM main window
- ◆ Explore client interface
 - Menus & toolbars
 - Management views
 - View configuration
 - Column selection
 - Sorting
 - Saving the view configuration

MCP-4033/4049 11

Installing Other Components

- ◆ Client install is simple and straightforward
 - Connects to server over port 8086
 - May need to adjust firewall settings
- ◆ SAS install is simple, too
 - Typically installed on same server as EOM service
 - Uses ports 5003, 5005, 5006, 5007 (perhaps locally)
- ◆ After installing from release media
 - Visit <http://support.unisys.com> (requires log in)
 - Expand the "Solutions" node
 - Click on "Enterprise Output Manager (EOM)"
 - Select "Fixes", download the server and client updates
 - Install updates from the .exe files

MCP-4033/4049 9

Configuring the Alert Service (SAS)

- ◆ EOM raises alerts for significant issues
- ◆ SAS can trap and report these
 - Send to serial port or modem
 - Run a "command" (program or script)
- ◆ SAS configuration is based on
 - Selection of the SAS server
 - Alert Filters
 - Alert Policies
- ◆ First, select the SAS server
 - Tools > Alert Explorer
 - Then select Configuration > Select SAS Server

MCP-4033/4049 12

Alert Filters

- ◆ Controls which alerts are shown in the Alert Explorer, based on
 - Initiating system
 - Application (e.g., EOM)
 - Alert type
 - Alert qualifier
- ◆ Optional – default is to show all alerts
- ◆ Filters are per-user
- ◆ User can have multiple filters, but only one active at a time

MCP-4033/4049 13



Printing from MCP through EOM

Alert Policies

- ◆ Used for automated alert reporting
- ◆ A policy consists of
 - Action lists – define the alerts to be recognized
 - Templates – describe the action to take
- ◆ Each Action List has
 - A list of alerts to be monitored
 - A Template to activate if any of those alerts is triggered
- ◆ Can have multiple action lists per policy
- ◆ Can have multiple policies, but only one active at a time

MCP-4033/4049 14

Steps for the Plain-Printing Demo

- ◆ Configure the MCP side
 - Set up OBJECT/DEPCON/CONFIG file
 - Configure MCP Print System printer
- ◆ Run the Configuration Explorer within EOM
 - Add an EOM Listening Path (TCP/IP port)
 - Configure an EOM Physical Printer
 - Set the new printer's "paper type" (FORMID)
 - Configure a Print Attribute
 - Configure a File Mask
 - Configure the File Group (optional)
 - Save the configuration
- ◆ Test

MCP-4033/4049 17

Configuring an Alert Policy

- ◆ Each policy has two default Action Lists
 - <default> – activated only if the alert is not activated by some other Action List
 - <global> – activated unconditionally for any alert
- ◆ You can create custom Action Lists
- ◆ <global> is a good choice to start with
 - Define a Command template to run a script (e.g., to email a message)
 - Create an Action Event to respond when alert is raised
 - Associate the Template with the Action Event
 - Save and Activate the Alert Policy

MCP-4033/4049 15

Configuring the Print System Printer

```

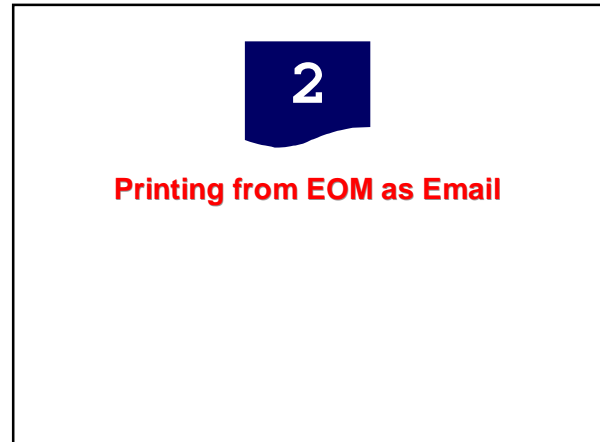
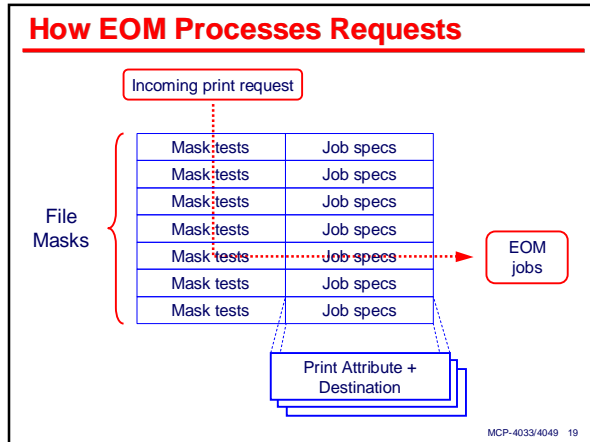
PS CONFIG + SERVER TOEOM
SERVER="DEPCONSERV(DIGMGX5A/MCPPS/) IN
    *OBJECT/DEPCON ON DISK",
FORMID="*DONTCARE*",
VFU=USE,
HEADER=SUPPRESSED,
TRAILER=SUPPRESSED,
PRINTERKIND=LINEPRINTER,
BLOCKSIZE=4000,
BLOCKSTRUCTURE=UNBLOCKED,
TRANSLATION = (NONE),
PROTOCOL = NONE,
PPT = NONE,
SPOOLER = NONE,
COMPRESSION = NONE,
SERVERPRIORITY = 50
    
```

Printer name in EOM

EOM Server – matches ROUTE in DEPCON/CONFIG

Recommended

MCP-4033/4049 18



- ### Backing Up the EOM Configuration
- ◆ EOM configuration data
 - Client options data
 - SAS configuration data
 - Configuration Explorer entities
 - ◆ Backing up Client options
 - On main EOM window
 - Tools > Import and Export Settings > Export Client Settings
 - ◆ Backing up SAS settings
 - Folder <EOM server install root>\SAS\data\esai
- MCP-4033/4049 20

- ### Steps for the Email Demo
- ◆ Configure an EOM email "printer"
 - ◆ Configure the EOM email interface
 - ◆ Configure a Print Attribute for formatting email messages
 - ◆ Configure a File Mask to route an incoming email request
 - ◆ Specify MCP printer file attributes for email addresses and subject header
- MCP-4033/4049 23

- ### Backing up Configuration Explorer
- ◆ On Configuration Explorer window
 - Select File > Import / Export
 - Right-hand pane shows import/export interface
 - ◆ Two types
 - Raw Output Manager configuration files
 - XML file (everything in one file)
 - ◆ Select file/folder for export data
 - ◆ Export
 - Export all entities
 - Export selected entities or types of entities
- MCP-4033/4049 21

- ### Alternative: Email Attributes & Jobs
- ◆ Email Attributes supply message details
 - To/CC/BCC/From addresses
 - Subject line
 - Body and attachment files
 - Additional email controls (priority, encryption, etc.)
 - ◆ Email Jobs send messages based on Email Attributes
 - Can be specified in File Masks instead of or in addition to Print Jobs
 - ◆ Note that EOM *keywords* can be used in entity configurations to supply variable data
- MCP-4033/4049 24

3

Printing from EOM with a Form Overlay

MCP-4033/4049 28

Steps for the PDF Demo

- ◆ Create a PDF printer in EOM
- ◆ Create a Directory Alias for PDF files
- ◆ Create a Print Attribute for PDF output
- ◆ Create a File Mask for PDF output
- ◆ **Bonus:** Generate *and email* PDF files

MCP-4033/4049 28

Steps for the Form Overlay Demo

- ◆ Create the form overlay file
 - Design the form overlay as an image or drawing
 - Convert the drawing to a WMF or EMF file
- ◆ Create a Directory Alias to identify the form overlay file's location on disk
- ◆ Create a Print Attribute to apply to form overlay during printing
- ◆ Create a File Mask to recognize a form request and route it appropriately
- ◆ **Bonus:** a more typical form overlay

MCP-4033/4049 26

Additional EOM Topics

- ◆ Log reporting
- ◆ EOM Utilities – run using Custom Jobs
 - UEOMSplit
 - UGiveItBack
 - UCopyIt
- ◆ Indexing
- ◆ DDA – Dynamic Data Attributes
- ◆ Web Assistant
- ◆ And more...

MCP-4033/4049 29

4

Printing from EOM as PDF

MCP-4033/4049 30

References

- ◆ *EOM 9.0 Help File*
- ◆ *EOM ClearPath OS2200 and MCP Configuration and Operations Guide (7850 4362)*
- ◆ <http://www.prettygoodconsultinggroup.com/>
 - Sign up for their EOM newsletter
- ◆ <http://www.digm.com/UNITE/2012>
 - This presentation
 - Scripted demonstration notes
 - Sample files

End

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