

newsletter



PGCG

Pretty Good Consulting Group

Got a problem? We create solutions.

EOM News and Views
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Client to Service connection across domains

Life just got easier for those of you with multiple Windows domains or workgroups

Ever wonder how to allow the EOM Client in one domain to connect to an EOM Service in another domain? Or, do you have the EOM service installed in a Windows workgroup environment but want to provide client access from a Windows domain?

The EOM documentation states:

... if the computers do not belong to a domain and instead use Windows Workgroups for networking, or the computers belong to different domains (that do not have a trust relationship), then an additional procedure is required to create the local groups used by Output Manager security. Every user that uses the Output Manager client will need to be created as a user on the computer that runs the Output Manager service. The user names and passwords on both computers must match

exactly. The duplicate user name that you create on the Output Manager server is commonly referred to as a "shadow account."

Customer Danny Deutsch of EDS in West Virginia recently enlightened us with a better solution. He showed that using the RUNAS command line program with the /netonly option means that remote domain/workgroup users can connect using a usercode defined in the local domain/workgroup. The syntax will look something like this:

```
RUNAS /netonly /user:<domain>\<userid>  
"C:\EOMClient\bin\eomui.exe"
```

Where the "<domain>" and the "<userid>" is defined in a local security group on the server running the EOM service. What this means is that if the EOM service is running on a server in DomainA (or WorkgroupA) then

clients outside of the domain (or workgroup) can connect using a defined DomainA (or WorkgroupA) usercode in the RUNAS syntax. When the RUNAS syntax is executed, a dialog box is displayed to the user requiring the password for the <domain>\<userid> account.

The EOM Development team added the additional syntax to a desktop shortcut to make the client skip the Select Server dialog box:

```
%windir%\system32\runas.exe /netonly  
/user:EOMPS1\EOMAdmin "C:\EOMClient\bin\eomui.exe  
/Server EOMPS1 /ServerPort 8086"
```

Note: Make sure you have the correct syntax for the EOM Client (...eomui.exe), as no message is displayed if there is incorrect syntax.

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EOM 8.0 Feature

Tired of other people changing your screen layout? Prior to EOM 8.0 you could select the fields you wanted to see, arrange the columns of those fields, sort the data, place the Management windows where you wanted them, and then use the Customize View / Save Current View Settings to save off that layout. Then you were safe from screen layout changes ... until the next person made and saved their changes.

EOM 8.0 still provides the Management window Customize View menu, but it adds a new option to the Tools menu selection called "Import and Export Settings". The menu selections are: Export Client Settings... , Import Client Settings... and Reset Default Settings...

Export simply copies the current layout and management window settings into an XML file

(default name is "ClientSettings-yyyyymmdd.xml"). Import uses a previously saved file of settings, but also stops and starts the EOM client. Reset Default Settings sets the layout to what the layout and management window values are upon initial install.

For those of you that support multiple remote EOM instances you could create a "standard" ClientSettings file and distribute it to your remote customers with simple instructions on how to import that file. For your own use, you might have different ClientSettings files depending on the type of debugging you want to do. The ClientSettings file also keeps track of the toolbar settings (maybe do not show the Suspend icons) and the most recent history of the EOM server connections.

How do I ...?

This section of the newsletter will discuss solutions to questions that come from real customers trying to solve real problems. How and what do I order for the new Enterprise Output Manager 8.0 release?

The new Enterprise Output Manager (EOM) 8.0 was released at the end of January. There are lots of new features (see last month's EOM Newsletter for the highlights), the the majority of questions we have received on EOM 8.0 so far are: "How do I order it?" and "What style numbers do I use?"

How to order EOM 8.0

First we need to sort out how to order the new release. The simple answer is to contact your Unisys Sales Representative. Or, you can order the software from an authorized Unisys reseller (no, PGCG is not one of those). Or, if you are not sure who to call you can call Unisys Software Services at 1-800-829-1313.

Those of you who are proud owners of the EOM subscriptions can order the new release exactly the same way.

EOM 8.0 Styles

The how to order should be the easy part, we need to define what to order next. For the most part this release follows the same Edition structure of the EOM 7.0/7.1 release, including upgrade pricing. So, if you own the Enterprise Edition you should order the Enterprise Edition upgrade. Same for the Department Edition and Professional Edition (one document, now corrected, listed this Edition as "Personal Edition", not to worry it is the Professional Edition).

	Component	New License	Upgrade	Subscription
Professional Edition	DSS32-ESR	DSS480-PRO	DSS480-UPG	DSU400-PRO
Department Edition	DSS32-DPT	DSS380-DPT	DSS380-UPG	DSU300-DPT
Enterprise Edition	DSS32-CTL	DSS280-ENT	DSS280-UPG	DSU200-ENT
DDA Designer/Web Assistant	DSS500-ADM	DSS580-ADM	DSS580-UPG	DSU500-ADM
DDA Designer	DSS32-DDA	DSS580-DDA	DSS580-DDU	DSU500-DDA
DDA Designer - Additional	DSS32-DDA	DSS580-D2	DSS580-D2U	DSU500-D2

You can also upgrade a copy of the EOM 7.0/7.1 to EOM 8.0 Enterprise Edition or EOM 8.0 Department Edition to EOM 8.0 Enterprise Edition, contact Unisys for details.

Note that not only can you purchase the DDA Designer key without the Web Assistant, but you can also purchase additional DDA Designer keys for a lower price once the first key is purchased. This is especially good for sites that have multiple EOM gurus that create DDAs from their own PCs.

DDA Feature *(you may not know about)*

Meet the Rodney Dangerfield of DDA syntax: If there is one DDA command that still gets little respect, it is the **Convert Variable** command. This command provides both mathematical and string manipulation capabilities. Lets take a closer look.

First, there must always be a Result variable where the converted number/string goes if the command completes successfully. By the way, you can check if the Convert Variable was successful by testing the value of \$NumericResult (after the Convert Variable completed): it was successful if \$NumericResult equals 1.

Mathematical conversion is pretty straightforward: absolute value, integer/fractional parts of a number, and turning a number into a string (and vice versa) pretty much covers what you can do on the math side.

String conversion includes removing spaces, capitalization of text, finding the length of a string, an ability to convert characters into hexadecimal values, and generic sounding "String replace". The "Control codes to control characters" conversion is typically used when you want to insert hex values into the output stream (like an extra formfeed (hex 0C)) or even to create the Escape-60-Escape EOM-specific syntax to send to a remote EOM.

Regular Expressions

At first glance the "String replace" conversion simply replaces all instances of a substring with another string. The real power of this command is when you use regular expressions, where the property "Replacement value" is a regular expression and the "Pattern to replace is a regular expression" property is set to "Yes".

Learning about and using regular expressions is a full topic onto itself, as there are numerous options and it can get very complicated. If you are really interested, there are multiple web sites and even full books devoted to the subject. There are at least 15 different flavors of regular expression handling, where a particular "flavor" is supported by programming language or application. The EOM Help text for string replacement using regular expression states that EOM's regular expression handling is performed by the .NET Framework method System.Text.RegularExpressions.Regex.Replace(string, string, string). So you are limited to whatever is supported by that .Net method.

In the DDA Convert Variable command, the "Result variable" is set to the "Source variable" with the "Replacement value" inserted as per the "Pattern to replace" regular expression syntax. There are a ton of syntax variations so for this article we will just show a few examples and encourage you to investigate the real powerful capabilities on your own. By the way, a really good resource on regular expressions can be found at <http://www.regular-expressions.info/reference.html>.

<u>Source text</u>	<u>Regular expression</u>	<u>Replacement value</u>	<u>Result</u>	<u>Notes</u>
1,450.00	[012345]	A	A,AAA.AA	Replace numbers 0-5
1,450.00	[^0-9]	A	1A450A00	Replace non-numbers
1,450.00	[1]5]	A	A,4A0.00	Replace 1 or 5
1,450.00	^1,	A	A450.00	Replace starting 1,
1,450.00	.00\$.00\$	1,450A	Remove ending .00
abcabbcabbbc	ab*	A	AcAcAc	Replace ab, abb, abbb,..
<p>Hi Ed</p>	<.*?>		Hi Ed	Remove all HTML tags

Need remote training?

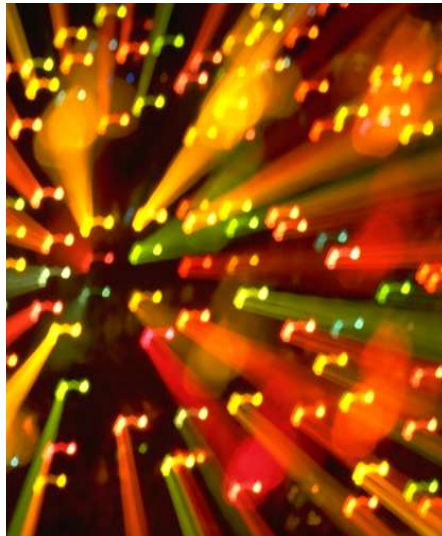
We here at Pretty Good Consulting Group pride ourselves on being flexible and providing services that accommodate individual customers. Given the current economy it is a lot harder to justify going to a class outside your local area. How about if the class comes to you? We have the ability to present customized training over the Internet on topics wired for the individual company and for whatever duration is required. Give us a call or send a note to see what we can do for your organization.

Who are we?

Highly skilled, creative, solution provider focused on the Unisys Enterprise Output Manager product (formerly known as DEPCON) with a sense of urgency sums up who we are and what we do. We provide general Enterprise Output Manager consulting, migrations, upgrades, configuration, training, and custom programming.

On-site services, remote services, and general consulting are available now.

Why use PGCG? Deep knowledge of the EOM product integrated into a variety of customer environments sets us apart. Our customers production environment depends on solid, working solutions that we provide.



Quick Hits

We learned recently that EOM Development recommends using the "Microsoft native channel" instead of the "Traditional Output Manager channel" for the communication transport between the EOM Client and EOM Service. This is a setting in the Configuration tab in the EOM service properties. Select "Microsoft native channel", stop and then start the EOM service.

Rumor has it that you can create TIFF files using the Dane Prairie Win2PDF software current used to create PDF files. More on this next month...

Have a suggestion for "How do I ...?" Write a brief description and send it to SteveD@PrettyGoodConsultingGroup.com for future newsletter discussion.

Interested in EOM training? We can either do custom training on-site, via WebEx or arrange for a formal class through Unisys. Please contact us for details.

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