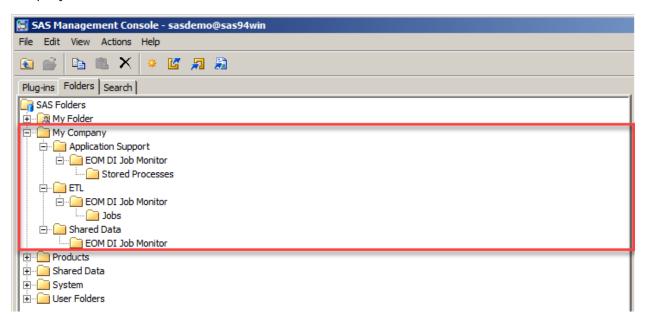
EOM DIMon 3.1 Installation Instructions for Windows

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Proposed metadata folder structure:

It is common practice to have separate SAS metadata folders for ETL programs, SAS Reports/SAS Stored Processes, and data. This document assumes installation in the SAS Metadata folder *My Company* shown here:



DIMon Batch Component Installation Instructions

Nr	Instruction			
1	Use SAS Management Console to create a SAS/SHARE or DBMS library with libref DIMON assigned to your SAS DI Application Server to store the DIMon tables. Your batch user need UPDATE access to the tables in this library. Your SAS General Server User (e.g., sassrv) need READ access to the tables in this library.			
	different libref than "DIMON" for your DIMon tables, add the following line appsrvcontextdir>\BatchServer\autoexec_usermods.sas":			
	<pre>libname dimon (<your libref="">); - For MySQL you need the following system variable in my.cnf: sql_mode='ANSI_QUOTES' # allow " as an identifier quote character (next to the following system); </your></pre>			
	_	please follow instructions for optimization at ort.sas.com/kb/52/585.html		
2	Create the required tables using the appropriate script for your database provided in installation package folder "SASBatch\SQL":			
	Engine	Script		
	SAS/SHARE	dimon_create_tables_sas.sas		
	Postgres	dimon_create_tables_postgres.sql		
	MySQL	dimon_create_tables_mysql.sql		
	MS SQL Server	dimon_create_tables_sqlserver.sql		
	Oracle	dimon_create_tables_oracle.sql		
3	Register the tables that were created in step 2 in SAS metadata folder "/My Company/S Data/EOM DI Job Monitor".			
	Deselect the following options when registering the tables:			
		Enable case-sensitive DBMS object names Enable special characters within table or column object name		
4	Import SAS metadata package "SASBatch\SASPackages\dimon-batch.spk" from the installation package to SAS metadata folder "/My Company/ETL/EOM DI Job Monitor/Jobs". Map the tables to the tables you registered in step 3.			
5	Copy all files in installation package folder "SASBatch\SASSteps" to folder " <sasappsrvcontextdir>\SASEnvironment\SASCode\Steps" on your SAS DI Application Server.</sasappsrvcontextdir>			

6 Create directory "<sasappsrvcontextdir>\SASEnvironment\SASCode\dimon" on your SAS DI Application Server.

Copy all files in installation package folder "SASBatch\SASCode" to this directory.

If you store the DIMon tables in Postgres and access them through SAS/ACCESS to ODBC, you may run into the issue described at http://support.sas.com/kb/51/085.html. To fix, replace the SQL update statement in dimonFinishJob.sas with the following code:

7 Copy files dimon_pre.bat and dimon_post.bat from installation package folder "SASBatch\BatchServer\Windows" to "<sasappsrvcontextdir>\BatchServer" on your SAS DI Application Server.

DI Monitor uses the Windows date and time functions to compose log and lst file names. The output of these functions differs by locale. DI Monitor expects the English (US) locale; if you have set a different locale on your machine, modify the following lines in file dimon_pre.bat:

```
SET HOUR_TIME=%time:~0,2%

IF %HOUR_TIME% leq 9 (set HOUR_TIME=0%HOUR_TIME: =%)

SET DATETIME=%date:~10,4%.%date:~4,2%.%date:~7,2% %HOUR TIME%.%time:~3,2%.%time:~6,2%
```

so that datetime contains a date/time in the format yyyy.mm.dd_hh.mm.ss Example: 2016.11.30 22.31.40

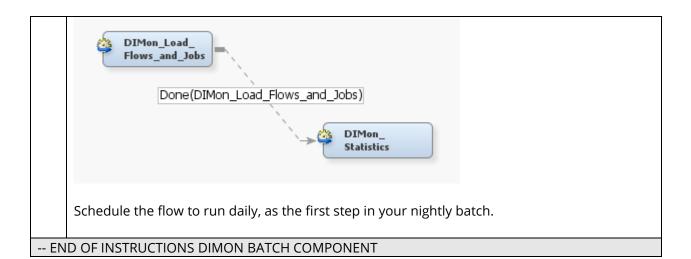
Note that this is **very important**; an incorrect date can cause errors when the SAS batch job is submitted. To help debugging you can set <code>DIMONDEBUG=YES</code> in dimon_pre.bat which creates file %TEMP%\dimon-debug.txt containing a list of environment variables.

- 8 Make a backup copy of file "<sasappsrvcontextdir>\BatchServer\sasbatch.bat" on your SAS DI Application Server.
- 9 | Edit <sasappsrvcontextdir > \BatchServer\sasbatch.bat on your SAS DI Application Server:

```
Right before the line:
             "%SAS COMMAND%" %CMD OPTIONS% %*%:
     insert the following lines:
     REM EOM DI Monitor - prolog -- begin
     call %APPSERVER ROOT%\BatchServer\dimon pre.bat
     REM EOM DI Monitor - prolog - end
     Right after the line:
             "%SAS COMMAND%" %CMD OPTIONS% %*%:
     insert the following lines:
     REM EOM DI Monitor - epilog -- begin
     set JOB RC=%ERRORLEVEL%
     call %APPSERVER ROOT%\BatchServer\dimon post.bat
     EXIT /b %JOB RC%
     REM EOM DI Monitor - epilog -- end
     Replace the line:
     "%SAS COMMAND%" %CMD OPTIONS% %*%
     with
     "%SAS COMMAND%" %CMD OPTIONS% %* -log "%SASLOGFILE%" -print "%SASLSTFILE%"
     Note the difference between %*% in the original command and %* in the modified command.
10
     Add the following line to file "<sasappsrvcontextdir>\BatchServer\autoexec_usermods.sas":
     options fullstimer;
11
     Using SAS DI Studio, run DI Studio job "/My Company/ETL/EOM DI Job
     Monitor/Jobs/DIMon_Load_Flows_and_Jobs" that you imported in step 4, on your SAS DI
     Application Server.
     You can ignore the warning that there are transformations that may be out of order in the
12
     Deploy the SAS DI Studio jobs imported in step 4 for scheduling on your SAS DI Application
     Server.
     Use the SAS Management Console Schedule Manager plug-in to create a flow with the
     following deployed jobs:

    DIMon_Load_Flows_and_Jobs

         2. DIMon_Statistics
```



DIMon Web Application Installation Instructions

Nr	Instruction	
1	Import SAS metadata package "Webapp\SASPackages\dimon-webapp.spk" into SAS metadata folder "/My Company/Application Support/EOM DI Job Monitor/Stored Processes". Assign the Stored Processes to run on your SAS Web Application Server (if you have that).	
2	Copy the content of folder "Webapp\Webapps" to directory " <sasconfigdir>\Web\WebServer\htdocs\" on your SAS Web Application Server.</sasconfigdir>	
3	Copy the content of folder "Webapp\SASMacro" to directory " <sasappsrvcontextdir>\SASEnvironment\SASMacro" on your SAS Web Application Server.</sasappsrvcontextdir>	
4	Edit file " <sasappsrvcontextdir>\SASEnvironment\SASMacro\dimon_init.sas" on your SAS Web Application Server and update the settings/paths:</sasappsrvcontextdir>	

Setting	Description	Default value
sproot	Folder where dimon-	/My Company/Application Support/EOM DI
	webapp.spk was imported to	Job Monitor/Stored Processes
webroot	Relative URL path to where the	/eom/dimon
	webapps components were	
	copied to in step 2	

If you use a different libref than "DIMON" for your DIMon tables, set that in the section marked yellow below:

If you chose a different metadata location in Step 1 than the default ("/My Company/Application Support/EOM DI Job Monitor/Stored Processes"), update file

"<SASConfigDir>\Web\WebServer\htdocs\eom\dimon\index.html" to reflect that in the sections marked yellow below:

```
| Control lang="en-US" | Chead | Chead
```

Start the EOM DI Job Monitor web application by navigating your browser to http://your-sasweb-server/eom/dimon/. If you don't have any flows scheduled yet you should see the following:

Pend to be Monitor Gears **

**Example **

**

-- END OF INSTRUCTIONS DIMON WEB APPLICATION COMPONENT