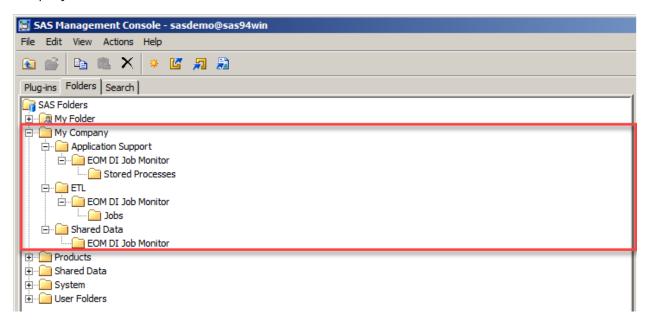
EOM DIMon 3.1 Installation Instructions for Windows

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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

Instruction 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 needs UPDATE access to the tables in this library. Your SAS General Server User (e.g., sassrv) needs READ access to the tables in this library. Notes: If you use a different libref than "DIMON" for your DIMon tables, add the following line to file "<sasappsrvcontextdir>\BatchServer\autoexec_usermods.sas": 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 backtick) If you experience slow performance when using the Postgres data store, please follow instructions for optimization at http://support.sas.com/kb/52/585.html When using the BASE SAS engine, add the FILELOCKWAIT option to the libname statement to prevent data set locking issues. 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 dimon create tables oracle.sql Oracle 3 Register the tables that were created in step 2 in SAS metadata folder "/My Company/Shared

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
- 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.

- Copy all files in installation package folder "SASBatch\SASSteps" to folder "<sasappsrvcontextdir>\SASEnvironment\SASCode\Steps" on your SAS DI Application Server.
- 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 folllowing code:

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

By default, your DI jobs will be submitted with a customized -log option, possibly ignoring options you may have set yourself. Please read **Error! Reference source not found.** to see if this affects your installation and how to change it if you wish.

To facilitate debugging you can set DIMONDEBUG=YES in dimon_usermods.sh, which creates the file /tmp/dimon-debug-\$(USER).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 set DIMON_CMDLINEARGS=%* 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 DIMON_JOBRC=%ERRORLEVEL% call %APPSERVER_ROOT%\BatchServer\dimon_post.bat EXIT /b %DIMON_JOBRC% REM EOM DI Monitor - epilog -- end

Replace the line:

"%SAS COMMAND%" %CMD OPTIONS% %*%

with

"%SAS_COMMAND%" %CMD_OPTIONS% %DIMON_CMDLINEARGS%

10 Add the following line to file "<sasappsrvcontextdir>\BatchServer\autoexec_usermods.sas":

options fullstimer;

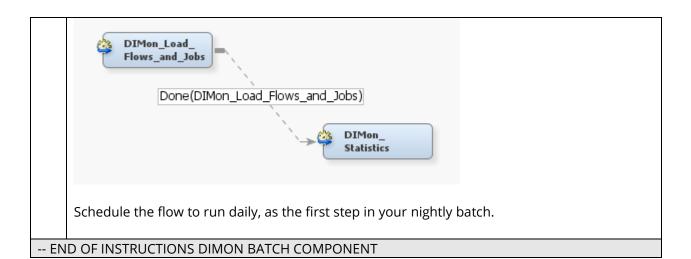
Using SAS DI Studio, run DI Studio job "/My Company/ETL/EOM DI Job Monitor/Jobs/DIMon_Load_Flows_and_Jobs" that you imported in step 4, on your SAS DI Application Server.

You can ignore the warning that there are transformations that may be out of order in the job.

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:

- 1. 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\WebAppServer" to directory " <sasconfigdir>\Web\WebServer\htdocs\" on your SAS Web Server.</sasconfigdir>		
3	Copy the content of folder "Webapp\SASMacro" to directory " <sasappsrvcontextdir>\SASEnvironment\SASMacro" on your SAS Web Application Server.</sasappsrvcontextdir>		
4	" <sasappsrvcontextdir>/SASE Do NOT modify this file. Any "<sasappsrvcontextdir>/SASE These are the default settings</sasappsrvcontextdir></sasappsrvcontextdir>		
	Setting	Description	Default value
	libname	Optional alternative allocation of dimon library	none
	sproot	Folder where dimon-webapp.spk was imported to	/My Company/Application Support/EOM DI Job Monitor/Stored Processes
	webroot	Relative URL path to where the webapps components were copied to in step 2	/eom/dimon
	urlspa	URL to the SAS Stored Process Web Application	/SASStoredProcess/do
	_odsstyle	SAS ODS Style for webapp	dimon
	viewlog_maxfilesize	For SAS log files beyond this filesize, you are prompted to download. This is an IE setting, for Chrome and Firefox this value is doubled	2097152
	gantt_width	Width of the gantt charts in pixels	150
	trend_days	Default numer of days to show elapsed time trend for	90
	Flow completion mode	 When is a flow marked as completed? when #jobs_completed = #jobs_in_flow (default) when #jobs_completed < #jobs_in_flow and nothing has been running for &flow_completion_mode_2_idle_time. seconds when file <flow-id> exists in the &lsf_flow_finished_dir. Subflows use mode 1</flow-id> when file <flow-id> exists in the &lsf_flow_finished_dir. Subflows use mode 2</flow-id> when file <flow-id> does not exist in the &lsf_flow_active_dir. Subflows use mode 1</flow-id> when file <flow-id> does not exist in the</flow-id> when file <flow-id> does not exist in the</flow-id> 	1

flow_scheduled_dts_match_seconds
The maximum time between scheduled start and actual start of a flow to be matched

60

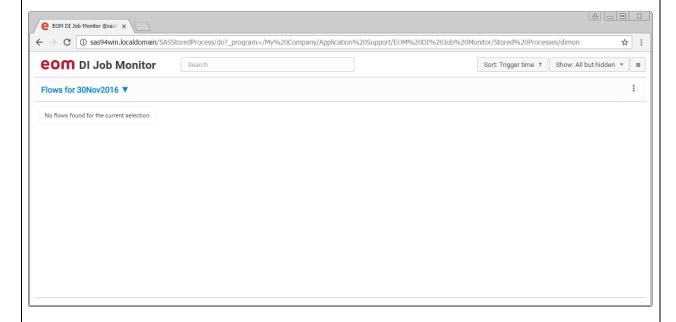
If you use a different libref than "DIMON" for your DIMon tables, assign it in this macro, for example:

```
libname dimon (dimonsas);
```

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 eom/dimon/index.html that was copied in step 2 to reflect that in the sections marked yellow below:

```
<!DOCTYPE HTML>
   <head>
         <meta charset="UTF-8">
         <script type="text/javascript">
           var parms = window.location.search.substr(1);
            "/SASStoredProcess/do? program=/M
                      + ( parms == "" ? '' : '&' + parms);
         </script>
         <title>Page Redirection</title>
      <body>
        14
15
            ASStoredProcess/do?_program=<mark>/My+Company/Application+Support/EOM+DI+Job+Monitor/Stored+Processes</mark>/dimon'>link to the EOM DI
         Monitor</a>
      </body>
   </html>
```

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:



-- END OF INSTRUCTIONS DIMON WEB APPLICATION COMPONENT