

TS - 730

ETL Studio regression issue when creating job_status table

SAS FM 4.1 and SPM 2.1 install and migration issue

Background:

Via ETL Studio (ETLS) when running jobs to load the DDS, the jobs by default will insert a status record into a job_status table in the SDM (mySQL database). If the job_status table does not exist, ETLS will create the table. This typically is what happens the first time a DDS import job is run.

In the SES .0 release, we shipped with ETLS version 9.1.20040728. This version of ETLS creates a job_status table with the following DDL:

```
CREATE TABLE job_status (  
  user` varchar(32) default NULL,  
  etl_table varchar(32) default NULL,  
  lib varchar(32) default NULL,  
  jobname varchar(80) default NULL,  
  jobstat varchar(80) default NULL,  
  job_rc double default NULL,  
  rbefore double default NULL,  
  rafter double default NULL,  
  sttime datetime default NULL,  
  endtime datetime default NULL  
)
```

Correspondingly SES has developed a Job Status Report that display contents of the above table.

Issue:

In ETLS version 9.1.20041201 (otherwise known as ETLS v3.2), ETLS has a regression problem with respect to creating the job_status table. This version of ETLS will create a table as follows:

```
CREATE TABLE job_status (  
  user` varchar(32) default NULL,  
  table varchar(32) default NULL,  
  lib varchar(32) default NULL,  
  jobname varchar(80) default NULL,  
  jobstat varchar(80) default NULL,  
  job_rc double default NULL,  
  rbefore double default NULL,  
  rafter double default NULL,  
  sttime datetime default NULL,  
  endtime datetime default NULL  
)
```

Note the difference between the etl_table column and table column.

SES .1 release ships the ETLS version 9.1.20041201. In the SES .1 release, our Job Status reporting code is expecting a column names "elt_table".

What will happen in .1:

- In the case of an existing .0 customer (with .0 version of the job_status ddl), during execution of DDS jobs, ETLS will attempt to add job status information to a column "table". "table" columns would not exist, so the information is dropped. No error occurs. Also, when the SES Job Status reporting code is run, they will receive an error about "etl_table" column not found.
- In the case of a new .1 customer. DDS jobs will update the job_status table correctly. However, the SES Job Status report will still result in an error.

How to fix:

- Copy the updated etlstatus.sas code into ../program files/sas/sas 9.1/soltnsdata/sasstp. This will fix the Job Status reporting problem. This updated code will look for either "table" or "etl_table" columns.

For existing FM 4.0 or SPM 2.0 customers moving to FM 4.1 or SPM2.1, the job_status table in the SDM (MySQL database) needs to be altered. Meaning, the "etl_table" column will need to be renamed to "table".

Copy the two migrate files (changeJobStatusTable.cmd and changeJobStatusTable.sas) to a location on the datatier server, open a command line in that location and call the .cmd file like any other migrate .cmd file:

ex. (changeJobStatusTable metauser metapassword metaserver metaport sas.cfg)

>changeJobStatusTable sastrust UserUser1 localhost 8561 \SAS\SASSolutionsConfig\Lev1\SASMain\sasv9.cfg

Post .1 issues:

This regression problem will be fixed in ETLS release 3.3 (SE16). At which time the "table" column will go back to "etl_table" column name. In FM 4.2 or SPM 2.2 release, the Job Status reporting code will be modified to look for either column name. So, no action will be required with respect to this report. However, a similar alter script will be provided to existing FM4.1 or SPM 2.1 customers, changing the "table" column name, back to "etl_table".