Usage Note 39487

Step 1 – Move the Project Directory Structure to the new location:

1. Copy or FTP the entire project folder to the new location of your choice (if you have several projects in one location, then you can copy the project "repository" at one time).

2. After copying the projects, remove the file types that will be migrated per project (see steps 1.3.A and 1.3.B for the typical locations). Remove:

SAS Data sets – files with the extension *.sas7bdat*
SAS Data views – files with the extension *.sas7bvew*
SAS Catalogs – files with the extension *.sas7bcat*

If you don't remove all data sets, data views, and catalogs, then PROC CIMPORT will fail. The other files are platform independent and do not require migration but must exist on the new system.

3. Locate of the components of your SAS Enterprise Miner project that must be migrated:

A. Datasets located in ProjectName/DataSources folder.

B. Datasets, views and catalogs located in the ProjectName/subfolders. These include but are not limited to (be sure to examine all subfolders):

- each Workspaces/EMWS[n] folder
- the Reports folder where necessary

Here the workspace folder "EMWS[n]" represents any number of EMWS folders that are in the Workspaces folder. You might see EMWS2, EMWS4, EMWS5, etc.

For datasets and views, you can use PROC MIGRATE to migrate to 64bit, however you must use PROC's CPORT/CIMPORT to migrate catalogs. If you try to use PROC MIGRATE to migrate a catalog, the procedure will fail with an error similar to the one below:

```
ERROR: File XXX.CATALOG.CATALOG was created for a different
       operating system.
WARNING: No data is available.
```

This document will focus on using CPORT/CIMPORT to migrate all project components.

Best practice: create a temporary directory (for example, C:\temp) to contain your complete project information or project repository.

You will need access to the original projects on the 32bit machine.

Step 2 – Use PROC CPORT to export the catalogs, and then use PROC CIMPORT to import them

In this example, the 32bit format files have been saved into C:\TEMP in order to create the transport packages which are and then copied over to the new machine. The example uses SAS 9.1.3 because this is the release from which you are moving. The catalog needs to be packaged in the SAS 9.1.3 format.

1. Open SAS 9.1.3 and submit the following code, but be sure to edit the code to match your directory structure.

```
libname origdata "C:\TEMP\EMProjects\Project1\DataSources";
/* location of the current DataSources for the project */

filename trans "C:\TEMP\EMProjects\Project1\datasources.xpt";
/* location and name of the transport file to be created */

proc cport lib=origdata file=trans;
run;


libname origwork "C:\TEMP\EMProjects\Project1\Workspaces\EMWS[n]";
/* location of the current data and catalogs for the Project's diagram */

filename trans "C:\TEMP\EMProjects\Project1\emws[n].xpt";
/* location and name of the transport file to be created */

proc cport lib=origwork file=trans;
run;
```

Substitute your paths in the example code. “EMWS[n]” represents any number of EMWS folders in the Workspaces folder. You will need to specify each EMWS folder.

After creating all the necessary transport (.xpt) files, you can copy them to the new machine. You can also reference the file name, if the location is accessible from the 64bit machine.

2. Open SAS 9.2 (64bit) and use the following example code to use PROC CIMPORT for importing your transported 32bit packages. Be sure to edit the code for your specific information.

Using PROC CIMPORT in SAS 9.2 64bit will translate the catalog to 64bit architecture.

Before submitting the code below, be sure to delete the data sets, data views and catalogs, from the “newdata” folder, and from the “newwork” folder (see code example below). Do not delete the original location or the temporary location until you have confirmed successful completion of the migration process.

```
libname newdata "C:\EMProjects\Project1\DataSources";
/* location of the project data sources on the NEW machine */

filename trans "C:\TEMP\EMProjects\Project1\datasources.xpt";
/* location of the transport file on the old machine */
/* or copied from the old machine to temporary location */

proc cimport lib=newdata file=trans;
run;


libname newwork "C:\EMProjects\Project1\Workspaces\EMWS[n];
/* location of the project workspace on the NEW machine */

filename trans "C:\TEMP\EMProjects\Project1\emws[n].xpt";
/* location of the transport file on the old machine */
```

```
/* or copied from the old machine to temporary location */

proc cimport lib=newwork file=trans;
run;
```

3. Create the project as New in SAS Enterprise Miner, and re-run the diagram to validate the migration.

More Information

Cross-Environment Data Access (CEDA) is invoked to access your data files when moving operating systems. Your original 32 bit data set can still be opened, but performance will be impacted. For more information on CEDA processing restrictions, see CEDA Limitations: support.sas.com/documentation/cdl/en/movefile/59598/HTML/default/a002591989.htm .

For information about syntax for the CPORT/CIMPORT functions, see: support.sas.com/documentation/cdl/en/proc/61895/HTML/default/a002473425.htm