



# SAS Desktop to EG Transition – from the ‘Experienced SAS User Perspective’

Golden Horseshoe (GHSUG) SAS Users Group

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## Goal:

Highlight some of the differences in Workspace that experienced SAS Desktop Users will have to negotiate when transitioning between the SAS Desktop and SAS EG.

This presentation uses EG (V4.2) with a 'Local' SAS (V9.2) Server configuration.



## Outline:

- What is the local configuration?
- Workspace:
  - Importance of the 'Workspace'
  - Library allocation
  - File Types Supported
  - Executing system calls



## EG Local Configuration:

- Base SAS and EG Installed on same computer.
- No Metadata Server for authentication.
- User controls Library assignments.
- Stored Processes are disabled.



## Importance of Workspace:

- Effects analysts efficiency:
  - the ability to identify data issues.
  - support and development.
  - multi-tasking.



## Workspace

- EG (GUI) vs SAS Desktop (programming)
- Default Library allocation
- Order of precedence

# Workspace



## Desktop - Default Library

The screenshot displays the SAS Desktop environment. The Explorer window on the left shows the 'Active Libraries' section with the following list:

Name
Egdata
Libdlg
Maps
Sashelp
Sasuser
Work

The main workspace contains an 'Output - (Untitled)' window and an 'Editor - Untitled1' window. The Editor window shows a single line of code with the number '1' in red, indicating the current line number.

Desktop Default

# Workspace

## EG - Default Library

The screenshot displays the SAS Enterprise Guide (EG) workspace. The main window is titled "SAS Enterprise Guide" and features a menu bar with "File", "Edit", "View", "Tasks", "Program", "Tools", and "Help". Below the menu bar is a toolbar with various icons for file operations and execution. The interface is divided into several panes:

- Explorer:** Located on the left, it shows "Active Libraries" with a list of libraries: Egdata, Libdgl, Maps, Sashelp, Sasuser, and Work.
- Server List:** A central pane showing a tree view of servers. Under "Local", there is a "Libraries" folder containing "EGDATA", "MAPS", "SASHELP", "SASUSER", and "WORK". Below this is a "Files" folder and "Private OLAP Servers".
- Process Flow:** A large grid area on the right for designing workflows, with a toolbar at the top containing "Run", "Stop", "Export", "Schedule", and "Zoom" options.

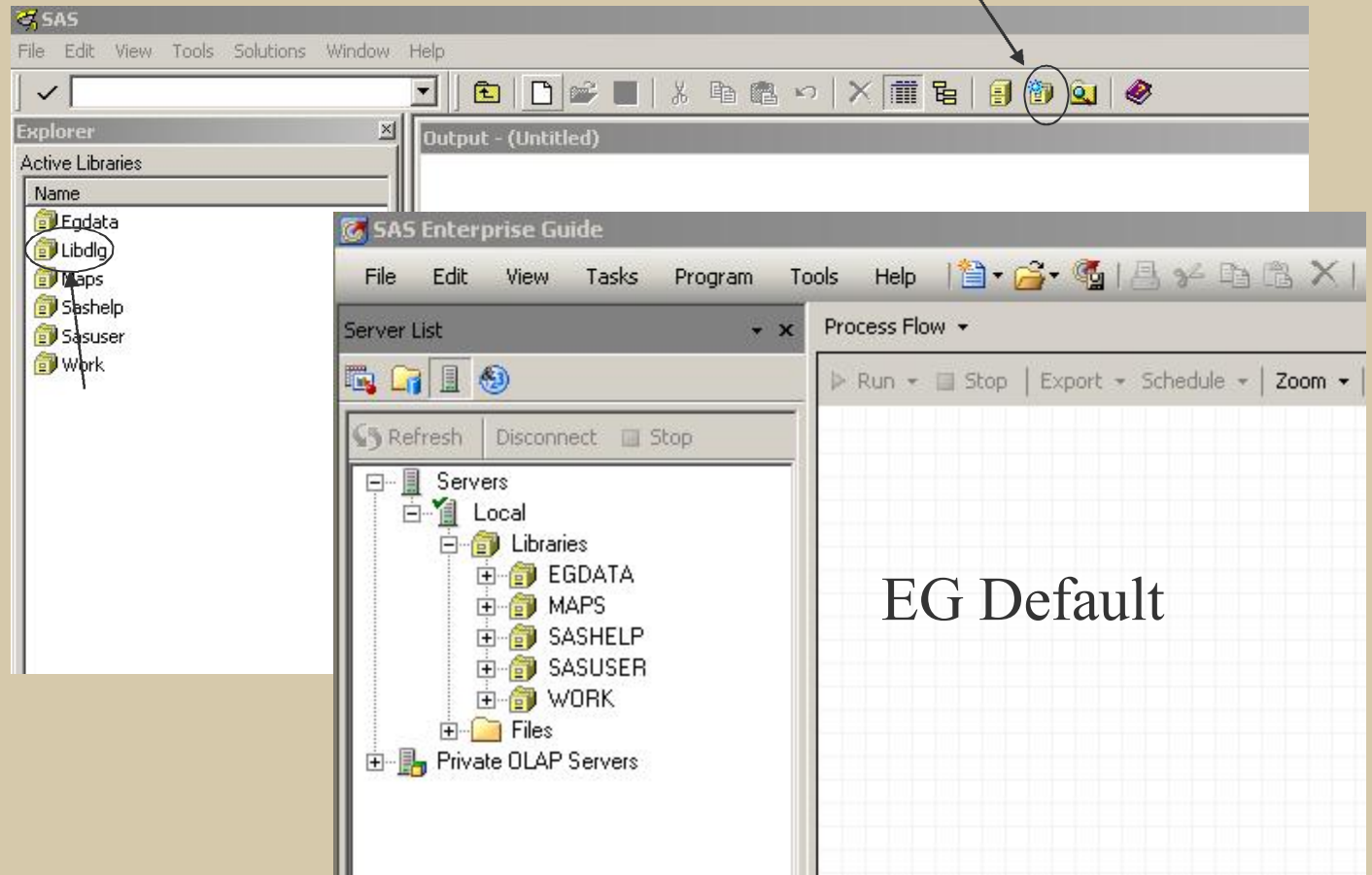
EG Default

# Workspace

Default Libraries allocated using the 'Desktop Dialog' are not honoured

Libraries not allocated in the SAS Autoexec. are lost in EG.

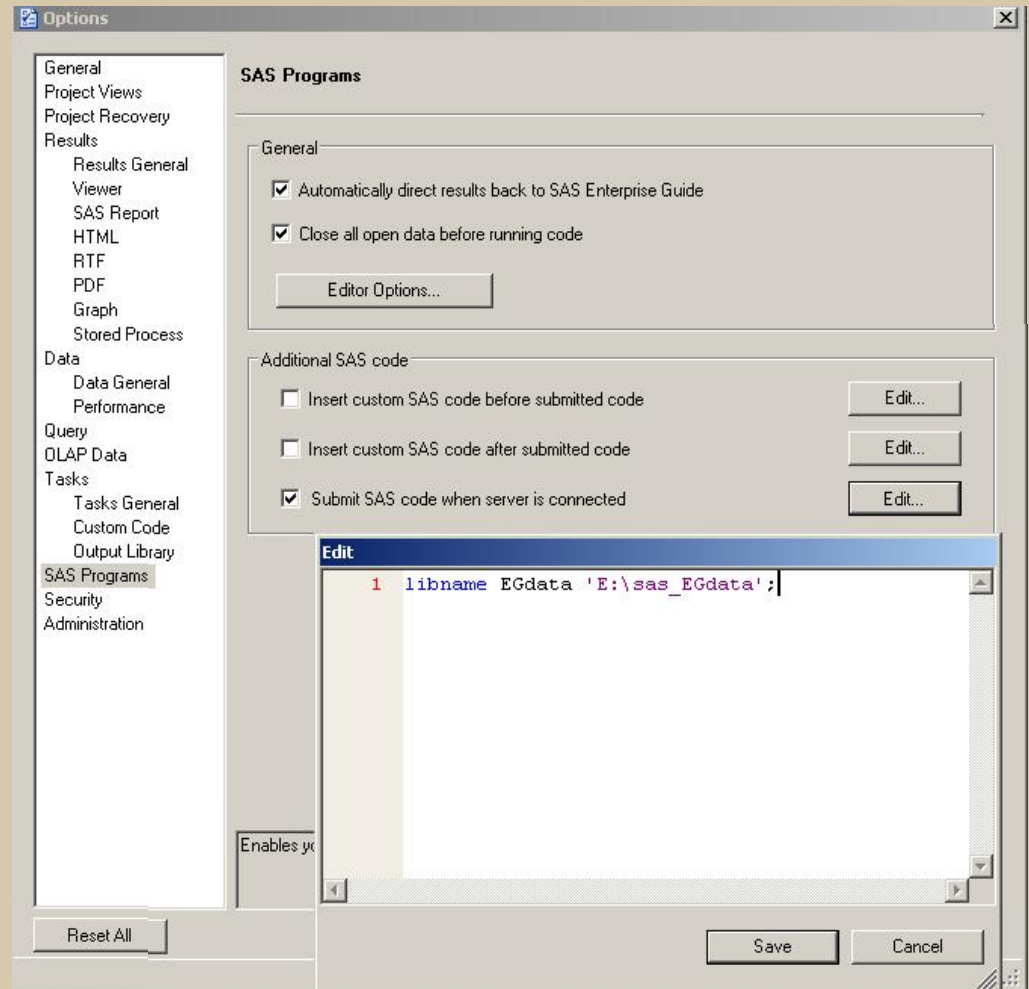
## Desktop – Library Assign Dialog



EG Default

Default Libraries can be allocated in EG using the  
→Tools  
→Options  
→SAS Programs

## EG - Assigning Default Libraries



# Workspace

EG Defaulted to EGTASK

Determines the default library assigned during tasks and queries.

Move WORK to the top of the precedence order to be consistent with SAS Desktop.

## EG - Library Order of Precedence





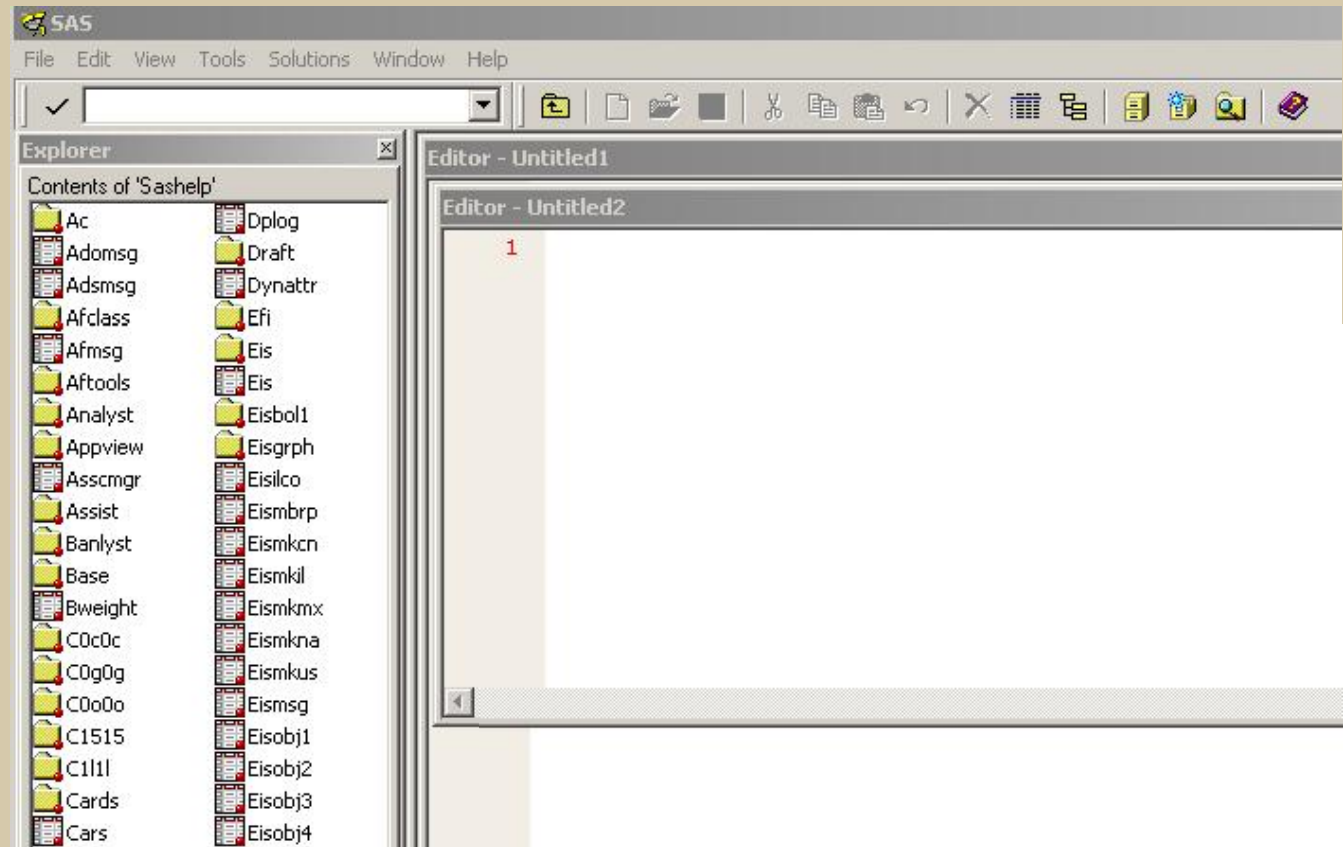
## Workspace:

- File Types
- Window
- Meta Data
- System Calls

# Workspace

Desktop  
Catalogs are  
viewable

## Desktop - File Type

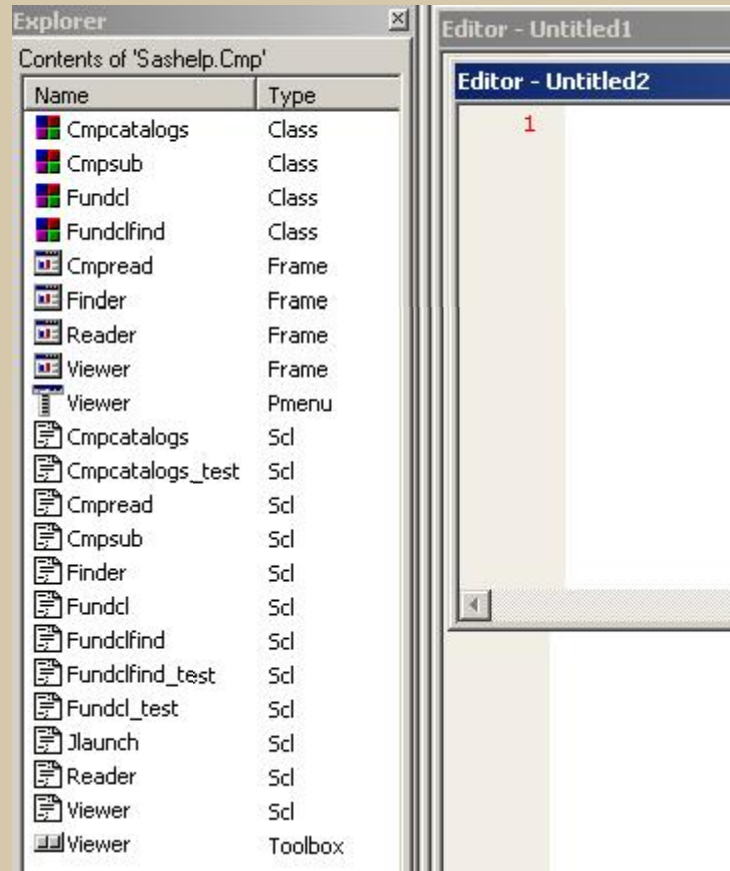


# Workspace

File Types viewable with Desktop

- Class
- Frames
- Pmenu
- Scl
- Toolbox
- Source
- Formats
- Etc.

## Desktop - File Type Supported



# Workspace

EG

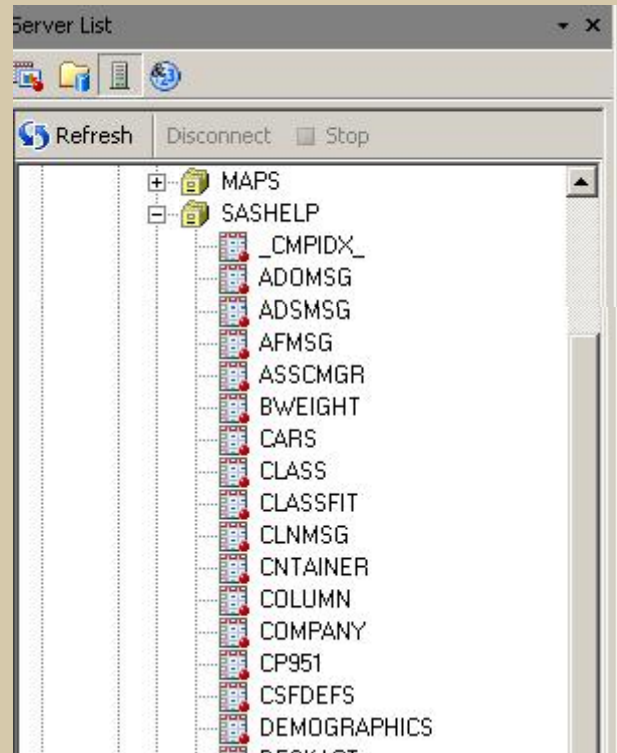
Catalogs are not fully viewable.

Only Data is visible.

AF is not supported

Source programs cannot be viewed.

## EG - File Type



# Workspace

EG

Catalogs are not fully viewable, but source programs can still be accessed and executed.

## Access Programs Manually

Filename prgin catalog 'apps.CatName';

```
%include prgin(Prog1);
```

Filename prgin clear;

# Workspace

Desktop  
Multiple  
Windows  
open

## Desktop - Windows Open

The screenshot shows a SAS workspace with several windows open. On the left, the Explorer window displays the contents of the 'Sasuser' directory, listing various tables and catalogs. On the right, the Output window shows a log and a viewtable of car data.

	atlanta	chicago	denver	houston	losangel	miami
1	0	.	.	.	.	.
2	587	0	.	.	.	.
3	1212	920	0	.	.	.
4	701	940	879	0	.	.
5	1936	1745	831	1374	0	.
6	604	1188	1726	968	2339	0
7	748	713	1631	1420	2451	1092
8	2139	1858	949	1645	347	2594
9	2182	1737	1021	1891	959	2734
10	543	597	1494	1220	2300	923

# Workspace

EG Limit

Two Windows  
plus  
Docked.

Reducing the  
ability to  
multitask.

## EG - Windows Open

The screenshot displays two windows from a software application. The 'Server List' window on the left shows a tree view of servers, with 'CARS' highlighted. The 'Process Flow' window on the right shows a 'CARS' program icon and a table of car data. The table has columns for 'Make', 'Model', and 'Type'.

	Make	Model	Type
1	Acura	MDX	SUV
2	Acura	RSX Type S 2dr	Sedan
3	Acura	TSX 4dr	Sedan
4	Acura	TL 4dr	Sedan
5	Acura	3.5 RL 4dr	Sedan
6	Acura	3.5 RL w/Naviga...	Sedan
7	Acura	NSX coupe 2dr...	Sports
8	Audi	A4 1.8T 4dr	Sedan
9	Audi	A4 1.8T converti...	Sedan
10	Audi	A4 3.0 4dr	Sedan
11	Audi	A4 3.0 Quattro 4...	Sedan
12	Audi	A4 3.0 Quattro 4...	Sedan
13	Audi	A6 3.0 4dr	Sedan

# Workspace

## Table View

- Where
- Hide

Available in EG

## Desktop - Table View

The screenshot shows a desktop environment with two windows. The left window is titled 'Explorer' and displays the 'Contents of 'Sasuser'' directory. The right window is titled 'VIEWTABLE: Sasuser.City' and displays a data table with 10 rows and 5 columns.

	atlanta	chicago	denver	houston	losar
1	0	.	.	.	.
2	587	0	.	.	.
3	1212	920	0	.	.
4	701	940	879	0	.
5	1936	1745	831	1374	.
6	604	1188	1726	968	.
7	748	713	1631	1420	.
8	2139	1858	949	1645	.
9	2182	1737	1021	1891	.
10	543	597	1494	1220	.

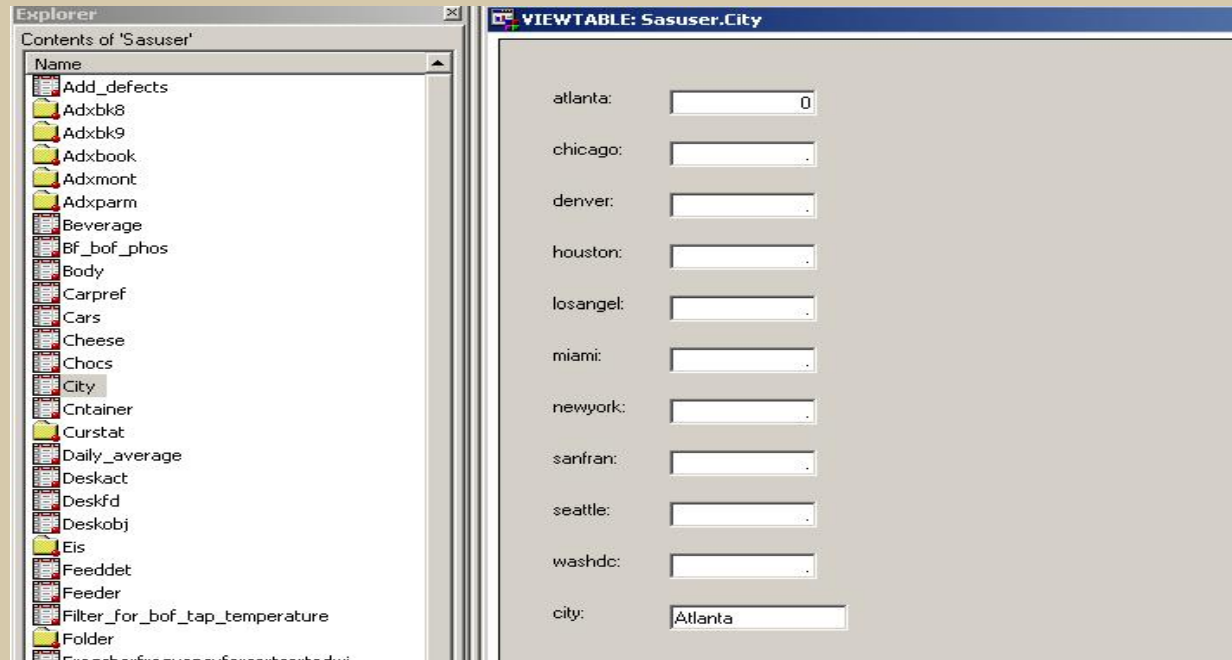
# Workspace

Desktop

Form View –  
handy  
when  
there are  
lots of  
variables

Not available  
in EG

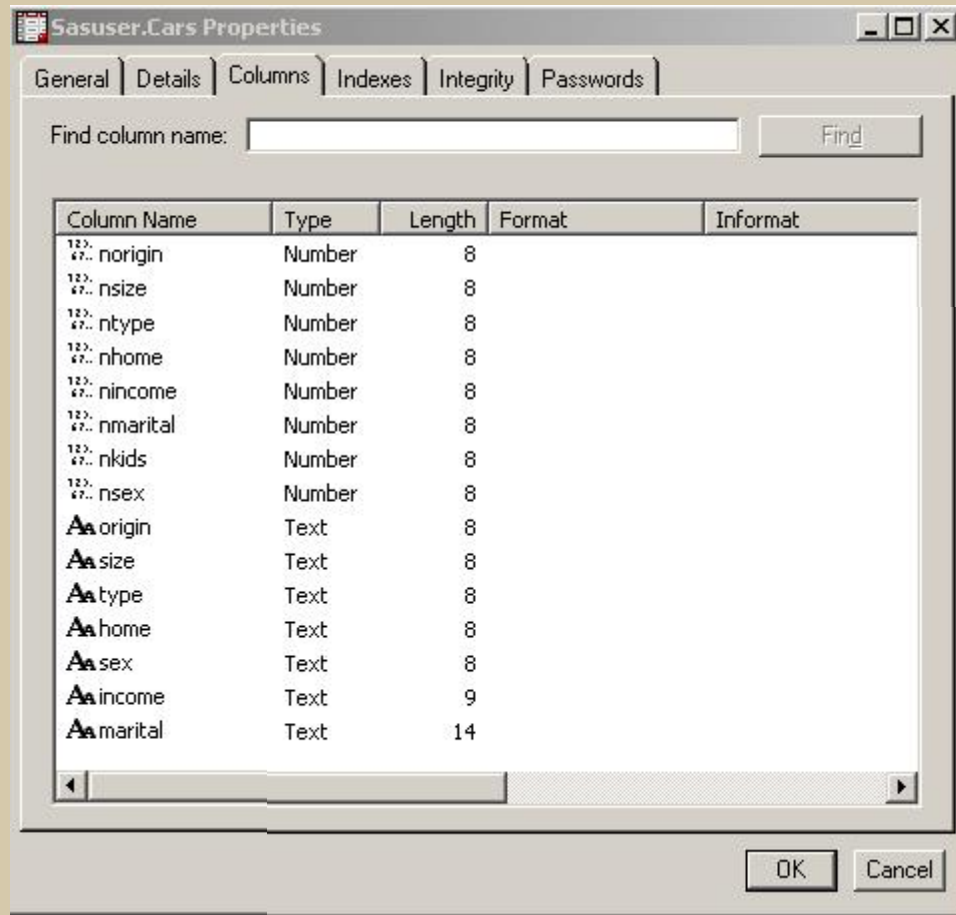
## Desktop - Form View



# Workspace

Desktop  
 Extensive  
 metadata  
 Includes:  
 indexes,  
 integrity,  
 etc.

## Desktop - Meta Data



# Workspace

EG Similar column data

Not as complete as the desktop.

## EG - Metadata

Name	Type	Length	Format	Informat
Cylinders	Numeric	8		
DriveTrain	Character	5		
EngineSize	Numeric	8		
Horsepower	Numeric	8		
Invoice	Currency	8	DOLLAR8.	
Length	Numeric	8		
Make	Character	13		
Model	Character	40		
MPG_City	Numeric	8		
MPG_Highway	Numeric	8		
MSRP	Currency	8	DOLLAR8.	
Origin	Character	6		
Type	Character	8		
Weight	Numeric	8		
Wheelbase	Numeric	8		

# Executing System Calls:

System Tasks:

'X' Command

Replaced with  
new  
command  
'SYSTASK'

Desktop:

X 'Copy A:\filea.xls B:\filea.xls'

# Executing System Calls

'Systask' is supported.

'X' not supported

## EG - Systask

```
SYSTASK COMMAND "operating system  
command"  
<WAIT | NOWAIT>  
<TASKNAME=taskname>  
<MNAME=name-var>  
<STATUS=stat-var>  
<SHELL<="shell-command">>;
```

Example:

```
systask command "copy myprog.sas myprog1.sas"  
taskname="copyfile" status=copystat;
```

# Executing System Calls

System  
Tasks:

'SysTask'  
Command  
not  
enabled.

Call your  
systems  
support to  
enable.

## To Enable Systask in EG:

**Registry Change using: REGEDIT**

**Select:** Hkey\_classes\_root → CLSID →  
440196D4... → localserver32

**Modify:** default value by removing -NOxcmd

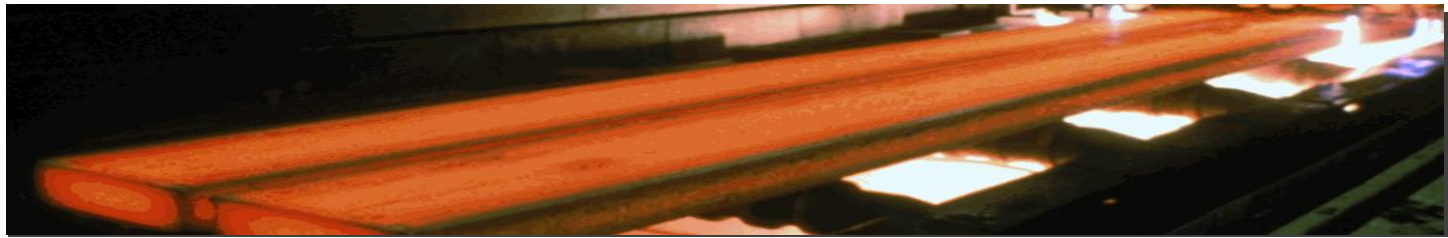
**Save and Exit**



## Conclusions:

**EG GUI interface is simple to use, reducing the need to code with the GUI interface; however, there is a loss of flexibility in the workspace compared to the SAS Desktop.**





**Thanks to GHSUG for the opportunity to present.**

**Forward questions to:**

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