

SAS 9.4 FOR PLATFORM ADMINISTRATORS

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SAS® 9.4: What's New for SAS® Administrators

SAS Talks Webinar Series

The evolution of the SAS®9 architecture continues with SAS 9.4! While this release includes features that benefit users at all levels of your organization, this SAS Talks webinar is laser-focused on enhancements and changes that will interest SAS administrators.

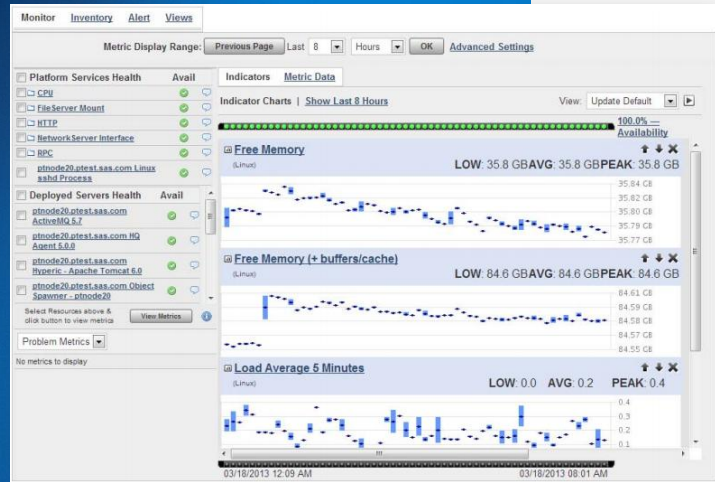
Specifically, we'll highlight how the new release reduces your dependence on IT with new management capabilities and administration tools.

- **SAS Environment Manager**, a new monitoring and management system for SAS deployments.
- A **metadata server clustering feature** that provides redundancy and high availability of the metadata server – a core component of the SAS infrastructure.
- The **deployment backup and recovery tool**, which provides an integrated method for backing up and recovering SAS content across multiple tiers and machines.
- More ways to **secure your SAS environment** with the inclusion of SAS/SECURE™ with Base SAS and the ability to enforce permissions defined on SAS data with metadata-bound libraries.

• [SAS® 9.4: What's New for SAS® Administrators](#)

HIGHLIGHTS

FOR MANAGABILITY



- SAS Environment Manager:
<http://support.sas.com/resources/papers/proceedings13/463-2013.pdf>
- High-availability – clustered metadata servers
- Dedicated App server supplied for SAS web apps
- SAS/SECURE bundled with Base SAS
- Blogs:
<http://blogs.sas.com/content/sgf/tag/sas-administrators/>

SAS 9.4M1 brings back 32-bit support on Windows for SAS Foundation and SAS Enterprise Guide

SUPPORTED ARCHITECTURES

- Initial release of SAS 9.4 – 64-bit only on Windows
- SAS Enterprise Guide 6.1 – 64-bit only
- SAS Add-In for Microsoft Office – 32-bit and 64-bit
- Maintenance 1 release will re-introduced 32-bit applications

INSTALLATION

STANDALONE INSTALLERS FOR DESKTOP CLIENTS

The screenshot shows a Windows file explorer window. The left pane displays a directory tree with the following structure:

- SSD_94
 - hot_fix
 - install_doc
 - JMP
 - media_data
 - order_data
 - plan_files
 - product_data
 - products
 - sid_files
 - standalone_installs
 - SAS_Add-in_for_Microsoft_Office_Independent_Installer
 - SAS_Enterprise_Guide_Independent_Installer
 - 6_1

The right pane shows a file list with the following columns: Name, Date modified, Type, and Size.

Name	Date modified	Type	Size
readme.pdf	6/20/2013 4:21 PM	Adobe Acrobat D...	71 KB
SASEnterpriseGuide61_x64.exe	6/20/2013 4:21 PM	Application	197,224 KB

A callout box with a torn-edge effect contains the following text:

Quiet Independent Install Example

```
SASEnterpriseGuide61_x64.exe /verysilent -- -responsefile  
"C:\sdwresponse.properties"
```

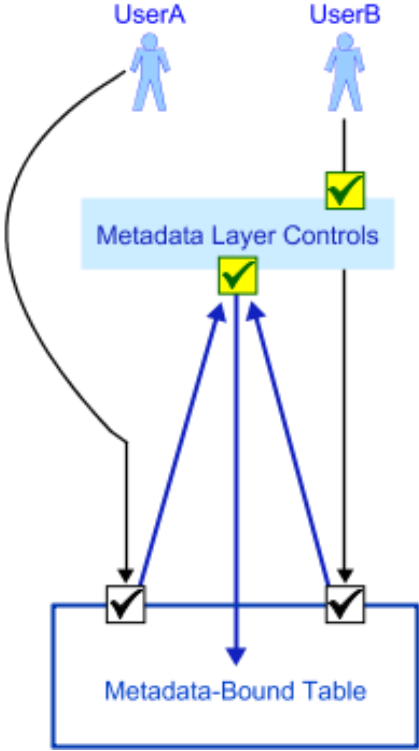
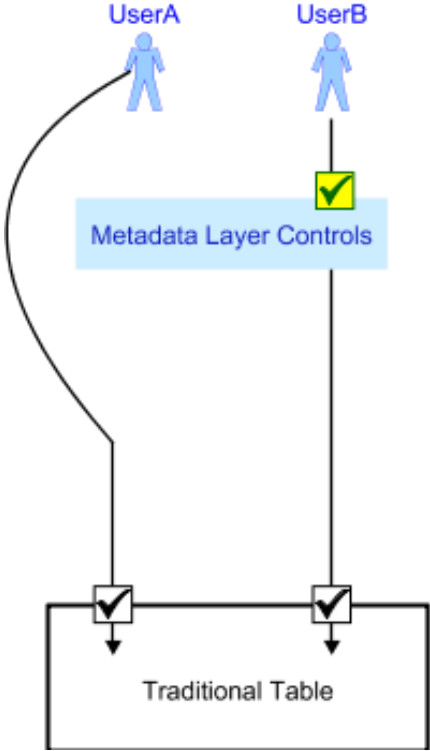
METADATA-BOUND AUTHORIZATION MODEL

Access to a Traditional Table

Access to a Metadata-Bound Table

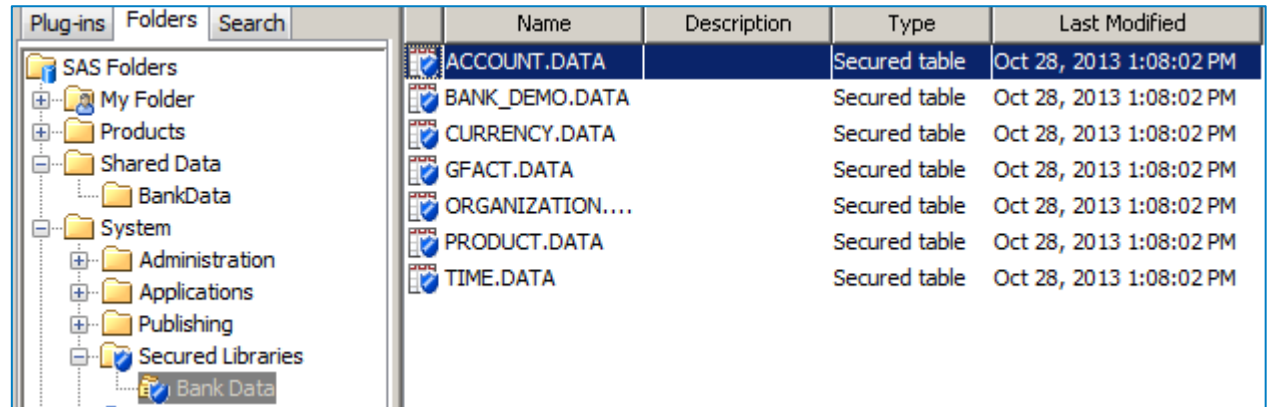
✓ = authorization check (metadata layer)

✓ = authorization check (host layer)



SECURING DATA USE PROC AUTHLIB OR SAS MANAGEMENT CONSOLE

```
libname bankdata "C:\DataSources\SecretData";  
proc authlib library=bankdata;  
  create  
  securedfolder='/System/Secured Libraries'  
  securedlibrary='Bank Data'  
  pw='pass1';  
run;
```

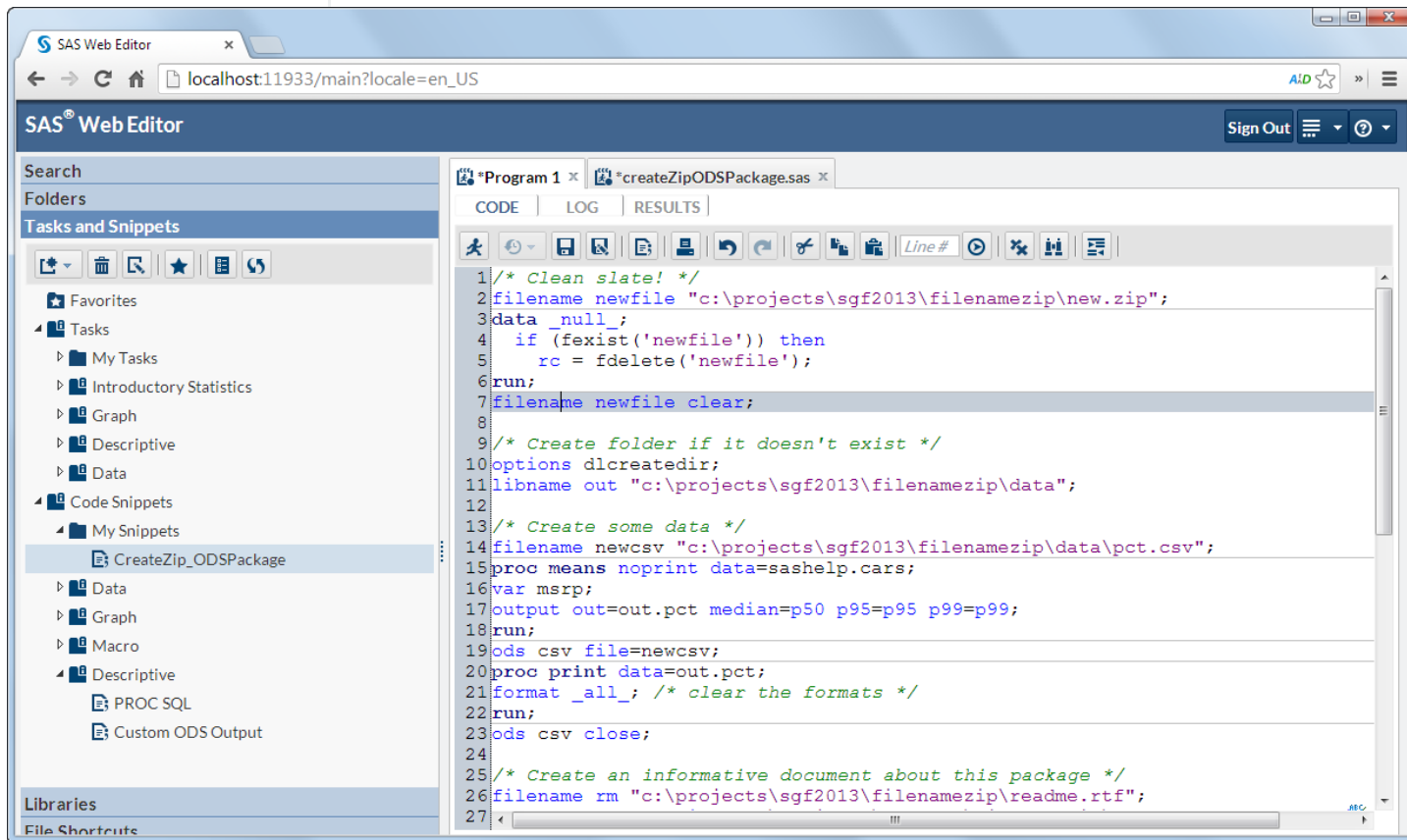


The screenshot shows the SAS Management Console interface. On the left, a tree view displays the folder structure under 'System', including 'Secured Libraries' and 'Bank Data'. On the right, a table lists the secured tables with their names, descriptions, types, and last modified dates.

Name	Description	Type	Last Modified
ACCOUNT.DATA		Secured table	Oct 28, 2013 1:08:02 PM
BANK_DEMO.DATA		Secured table	Oct 28, 2013 1:08:02 PM
CURRENCY.DATA		Secured table	Oct 28, 2013 1:08:02 PM
GFACT.DATA		Secured table	Oct 28, 2013 1:08:02 PM
ORGANIZATION....		Secured table	Oct 28, 2013 1:08:02 PM
PRODUCT.DATA		Secured table	Oct 28, 2013 1:08:02 PM
TIME.DATA		Secured table	Oct 28, 2013 1:08:02 PM

- SAS 9.4 Guide to Metadata-Bound Libraries
 - <http://support.sas.com/documentation/cdl/en/seclibag/65483/HTML/default/viewer.htm>
- *SAS 9.3 Administration Guilty Pleasures: A Few of My Favorite Things*
 - By Diane Hatcher, <http://support.sas.com/resources/papers/proceedings13/464-2013.pdf>
- platformadmin.com (search for "authlib")
 - <http://platformadmin.com/blogs/paul/2012/12/testing-direct-access-sas-metadata-bound-libraries-and-tables/>

SAS STUDIO RUN SAS PROGRAMS FROM A BROWSER



The screenshot displays the SAS Web Editor interface in a browser window. The address bar shows the URL `localhost:11933/main?locale=en_US`. The interface includes a search bar, a left-hand navigation pane with sections for Folders, Tasks and Snippets, and Libraries. The main workspace shows a SAS program being edited, with tabs for `*Program 1` and `*createZipODSPackage.sas`. The code editor contains the following SAS program:

```
1 /* Clean slate! */
2 filename newfile "c:\projects\sgf2013\filenamezip\new.zip";
3 data _null_;
4   if (fexist('newfile')) then
5     rc = fdelete('newfile');
6 run;
7 filename newfile clear;
8
9 /* Create folder if it doesn't exist */
10 options dcreatedir;
11 libname out "c:\projects\sgf2013\filenamezip\data";
12
13 /* Create some data */
14 filename newcsv "c:\projects\sgf2013\filenamezip\data\pct.csv";
15 proc means noprint data=sashelp.cars;
16 var msrp;
17 output out=out.pct median=p50 p95=p95 p99=p99;
18 run;
19 ods csv file=newcsv;
20 proc print data=out.pct;
21 format _all_ ; /* clear the formats */
22 run;
23 ods csv close;
24
25 /* Create an informative document about this package */
26 filename rm "c:\projects\sgf2013\filenamezip\readme.rtf";
27
```

- Filename ZIP – read and write ZIP files without external tools
- XLSX support – works without PC Files Server (still need SAS/ACCESS to PC Files)
- OPTIONS DLCREATEDIR – using LIBNAME statement to create directories

QUESTIONS?



**THE
POWER
TO KNOW.**