



SAS 9 Content Assessment

Jarno Lindqvist, FANS 8.6.2021

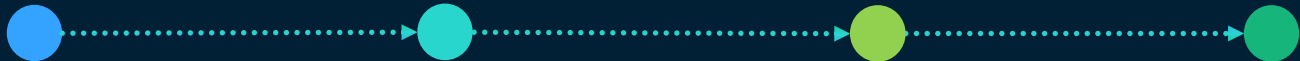


Assessment – Prepare for Migration

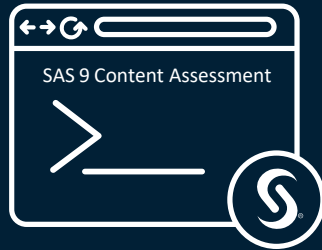
Migration is *moving data and content from one environment to another*. This could include moving to the same or a new version of the software.



Steps from Assessment to Migration



Download SAS 9
Content Assessment



Run Content
Assessment



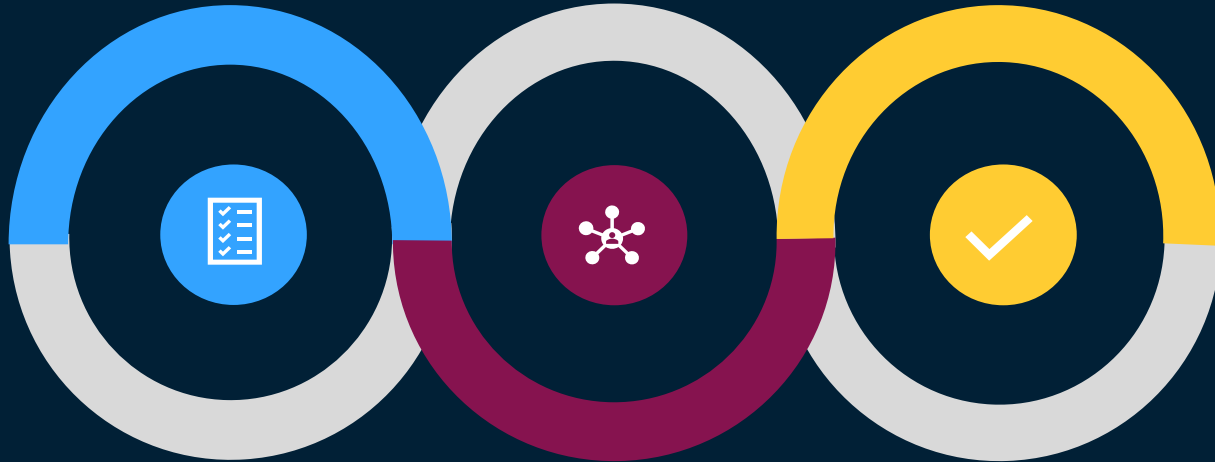
Evaluate



Migrate

What is SAS 9 Content Assessment

A collection of applications designed to help you *understand various characteristics of your SAS 9.4 system and content produced from it.*



SAS 9 Inventory

Counts and collects **data about content** produced by your SAS 9 environment

SAS 9 Profile

Provides **details of SAS artifacts** identified

SAS 9 Code Check

Identifies issues with **SAS code** that may be incompatible with SAS® Viya®

Find it on support.sas.com

SUPPORT / DOWNLOADS & HOT FIXES

SUPPORT

- Manage Tracks
- SAS Administrators
- Security Bulletins
- License Assistance
- Manage My Software Account
- Downloads & Hot Fixes
 - SAS System Software
 - SAS DataFlux Software
 - JMP Software
 - Mobile Device Software
 - Third Party Software
 - Additional Products
 - Hot Fixes
- Knowledge Base

Downloads

The Downloads application contains updates for SAS products and solutions, SAS DataFlux software, JMP software, and other products.

Product Category: **A - Z** Release Date

9 A C D E F H I J L M N O P Q S U W

- 9
 - 9.2 STANDARD DEPLOYMENT PLANS Updated AUG 2010
 - 9.3 Standard Deployment Plans Release 9.3 - JUL 2011
 - 9.4 Standard Deployment Plans Release 9.4 - October 2020
- A
 - Accessible SAS/Graph Macros for iPad Release 9.3 - APR 2012
 - Add-In Tools for SAS/Warehouse Administrator 2.0 MAR 2000
 - Add-In Tools for SAS/Warehouse Administrator 2.1 OCT 2000
 - Add-In Tools for SAS/Warehouse Administrator 2.2 JUL 2001
 - Add-In Tools for SAS/Warehouse Administrator 2.3 OCT 2002
 - Apache Solr (tm) download
- C
 - Canada Address Verification (Canada Post SERP Current Version 2 Release 2, V2R2) Updated MAR 2001
 - CGI Tools for Release 8.2 SAS/IntrNet Software for Service Pack 4 - Updated JUN 2006
 - CGI Tools for Release 9.1.3 SAS/IntrNet Software 92.110.10w20 - MAY 2010
 - CGI Tools for Release 9.21 SAS/IntrNet Software 92.110.09w40 - SEP 2009
 - CGI Tools for Release 9.21 SAS/IntrNet Software 92.110.09w09 - FEB 2009
 - CGI Tools for Release 9.3 SAS/IntrNet Software 93.1101.12w35 - AUG 2012

1. Navigate to Downloads & Hot Fixes and choose the A-Z tab.
<https://support.sas.com/downloads/package.htm?pid=2465#>

S

- Sample Data for SAS/ETS Interface Engines
- SAS/ACCESS to Google BigQuery Tools
- SAS/ACCESS to R/3 Download
- SAS/ACCESS to SAP ASE Tools
- SAS/C Cross-Platform Software Updates for UNIX Platforms Release 6.50.02 - MAR 1999
- SAS/C Cross-Platform Software Updates for Windows and UNIX Platforms Release 6.50.05 - AUG 1999
- SAS/C Cross-Platform Software Updates for Windows and UNIX Platforms Release 6.50.04 - MAR 1999
- SAS/GRAPH Control for ActiveX Release 9.47 - AUG 2020
- SAS/GRAPH Control for ActiveX Release 9.46 - NOV 2018
- SAS/GRAPH Control for ActiveX Release 9.45 - SEP 2017
- SAS/GRAPH Control for ActiveX Release 9.44 - NOV 2016
- SAS/GRAPH Control for ActiveX Release 9.431 - MAR 2016
- SAS/GRAPH Control for ActiveX Release 9.43 - JUL 2015
- SAS/GRAPH Control for ActiveX Release 9.4 M2 - AUG 2014

2. Scroll to the S category.

- SAS/SECURE SSL Add-in FEB 2007
- SAS/SECURE SSL Add-in AUG 2005
- SAS/SHARE Data Provider Version 9.0 - OCT 2002
- SAS/SHARE Data Provider Release 3.1 - OCT 2001
- SAS 8.2 Qualification Tools Updated OCT 2003
- SAS 9 Content Assessment 1.10**
- SAS Administration CLI
- SAS AppDev Studio 2.0 and 3.0 Localized Server-side Data Sets (Spanish Only) for SAS® 9
- SAS AppDev Studio Eclipse Plug-ins Update Release 3.2.1 - NOV 2006
- SAS AppDev Studio Eclipse Plug-ins Update Release 3.2.2 - JUN 2007
- SAS AppDev Studio Java Components 3.1.2 Update for SAS® 9.1.2 - JUN 2004
- SAS AppDev Studio Java Components 3.1.3 Update for SAS® 9.1.3 - AUG 2004

3. Find the SAS 9 Content Assessment download.

SAS 9 Content Assessment Download Page

[All Downloads](#)

Downloads

SAS 9 Content Assessment 1.10

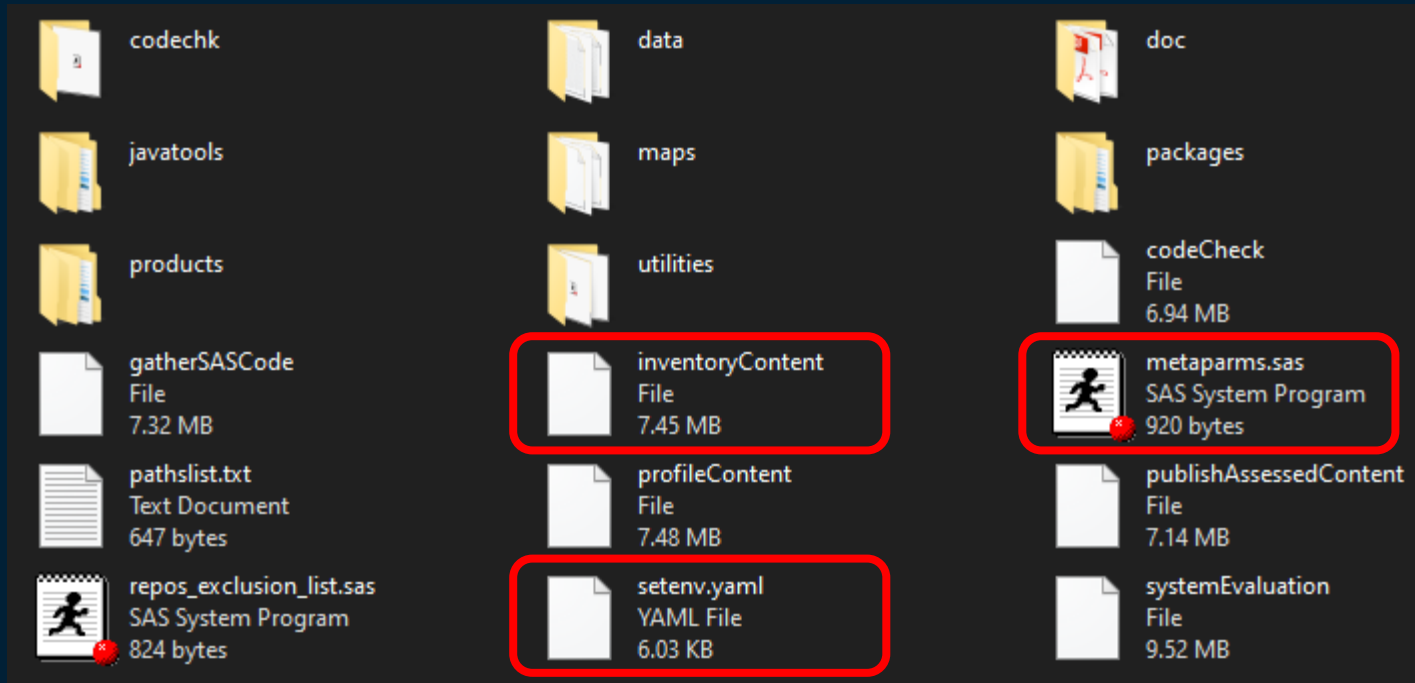
SAS® 9 Content Assessment is a collection of applications designed to examine the characteristics of your SAS® 9 system. Each application examines your SAS 9 system for relevant information, gathers key details, and produces results from each part of the assessment.

To begin the download process, select the item in the table below which best meets your needs.

SAS 9 Content Assessment 1.10					
Platform	Description	Request Download	Size	Release Date	ReadME
64-bit enabled AIX	SAS Content Assessment 1.10 for AIX	SAS9ContentAssessment.v1.10.aix.tar	47.4 MB	2021-02	pdf
64-bit enabled Linux	SAS Content Assessment 1.10 for LAX	SAS9ContentAssessment.v1.10.lax.tgz	58.9 MB	2021-02	pdf
64-bit enabled Windows	SAS Content Assessment 1.10 for Windows	SAS9ContentAssessment.v1.10.win.zip	58.5 MB	2021-02	pdf

For questions you may have about this download, please [contact our Product Support Group](#)

What you get in the Content Assessment download



Preparation for Content Assessment

Content Assessment runs as command line programs on your system.

To prepare, modify the following files:

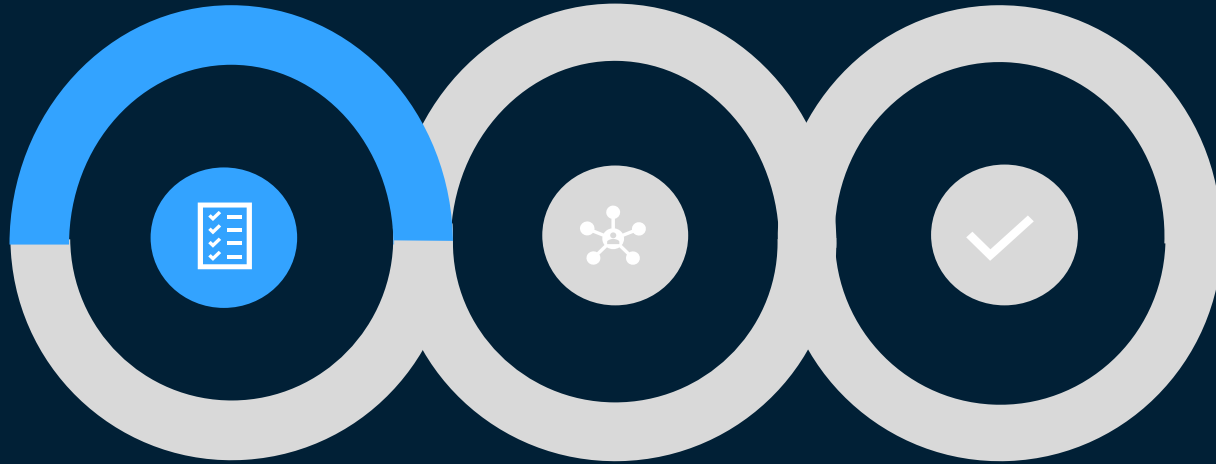
1. `metaparms.sas`

- Metadata server connection parameters
- An optional password to encrypt the resulting data mart

2. `setenv.yaml`

- `SAS_HOME`: the location of the SASHome directory
- `ASSESSMENT_CONFIGDIR`: the location of the SAS Configuration Directory to be assessed
- `ENTERPRISE_GUIDE_PROJECTSDIR`: any location(s) on this machine to scan for EG projects.

Inventory SAS 9 content for basic information, such as counts & locations for each item



SAS 9 Inventory

SAS 9 Profile

SAS 9 Code Check

Counts and collects data about content produced by your SAS 9 environment

Inventory Content

rdces x03451> █

I

SAS 9 Content Assessment: Inventory

What's Being Used | What's Being Used (Graphical View) | Drill to Counts | Drill to Items | Type Navigator | Software Version and Hotfix Info | Software License Info | Not Categorized Items | Not Categorized Details

Content Items Found

Portfolio	Sellable_Offering	Frequency
Analytics	SAS Enterprise Miner	14
Analytics	SAS Factory Miner	5
Analytics	SAS Forecast Server	36
Analytics	SAS Model Manager	3,728
Business Intelligence	SAS Enterprise BI Server	5,379
Business Intelligence	SAS Visual Analytics	17,084
Customer Intelligence	SAS Business Rules Manager	23
Customer Intelligence	SAS Decision Manager	26
Customer Intelligence	SAS Digital Marketing	233
Customer Intelligence	SAS Marketing Automation	15,027
Customer Intelligence	SAS Marketing Optimization	298
Customer Intelligence	SAS Real Time Decision Manager	1,697
Data Management	SAS Data Management	15
Data Management	SAS DI Studio	1,276
Data Management	SAS Federation Server	2
Data Management	SAS/ACCESS	66
Data Management	SPDS	5
Foundation	SAS Foundation	68,009

Types of Items Found

Type	StorageType	Frequency
Folder	MetadataServer	51,103
Report.BI	MetadataServer	13,056
Table	MetadataServer	11,923
CICampaign_Selection	MetadataServer	6,410
Project.EG	FileSystem	5,008
CIITreatment	MetadataServer	2,829

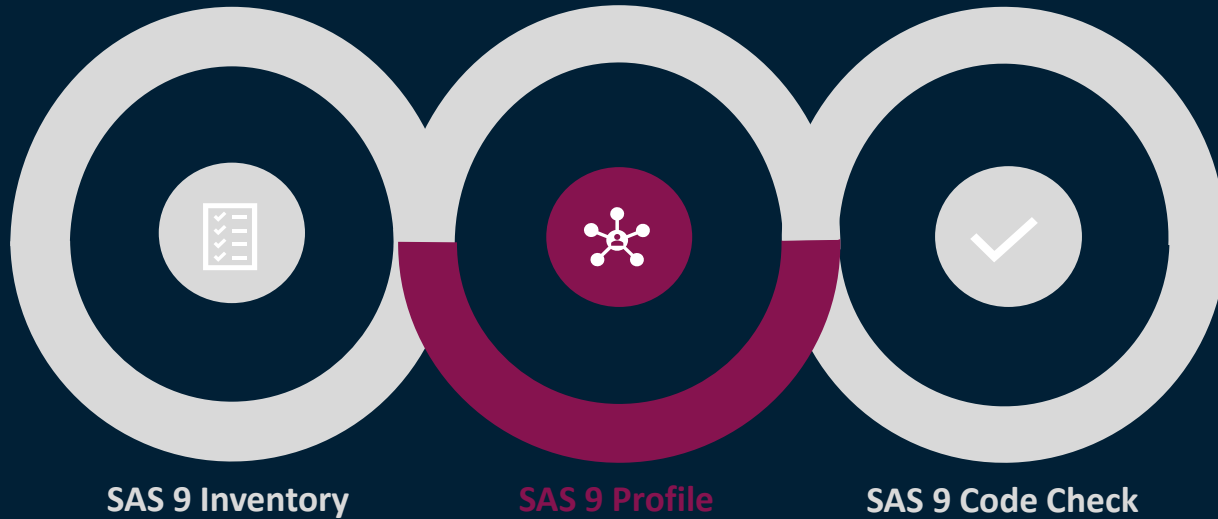
Servers Found

Server Definitions	Frequency
Connect and Grid Servers	17
Database Servers	67
SAS Data Servers	82
Integration Technology Servers	130
Other Servers	3

Detailed Server Types Found

Type	Frequency
ApplicationServer	16
Aster	1
DB2OS390	2
DB2UNXPC	7
ESRI Map Server	2
EXCEL	4
LogicalServer.Connect	4
LogicalServer.DataStepBatch	5
LogicalServer.Federation	2
LogicalServer.Grid	1
LogicalServer.JavaBatch	5
LogicalServer.Metadata	6
LogicalServer.OLAP	3
LogicalServer.PooledWorkspace	7
LogicalServer.StoredProcess	6
LogicalServer.Workspace	10
MYSQL	2
Netezza	3

Profile SAS 9 content to provide details related to SAS artifacts



Provides details of
SAS artifacts
identified

SAS 9 Content Assessment - Artifacts

We looked at 18 environments across 4 customers

BI Reports

15,522

Information Maps

1,620

OLAP Cubes

456

DI Studio Jobs

13,629

Libraries

2,909

Tables

84,441

System at-a-glance

Select an item below to explore further

BI Reports

Information Maps

Relational Expressions (Pattern Reduction)

OLAP measures used

OLAP Cubes

Calculated Measures (Pattern Reduction)

Dimensions and Hierarchies

Member level permissions (Pattern Reduction)

Data Integration Studio Jobs

Stored Processes

Libraries and Tables

Scan performed at Wednesday, May 15, 2019 09:59:35 AM.

Deployments

18

Server Contexts

33

Stored Processes

6,620

Relational expressions

37,218

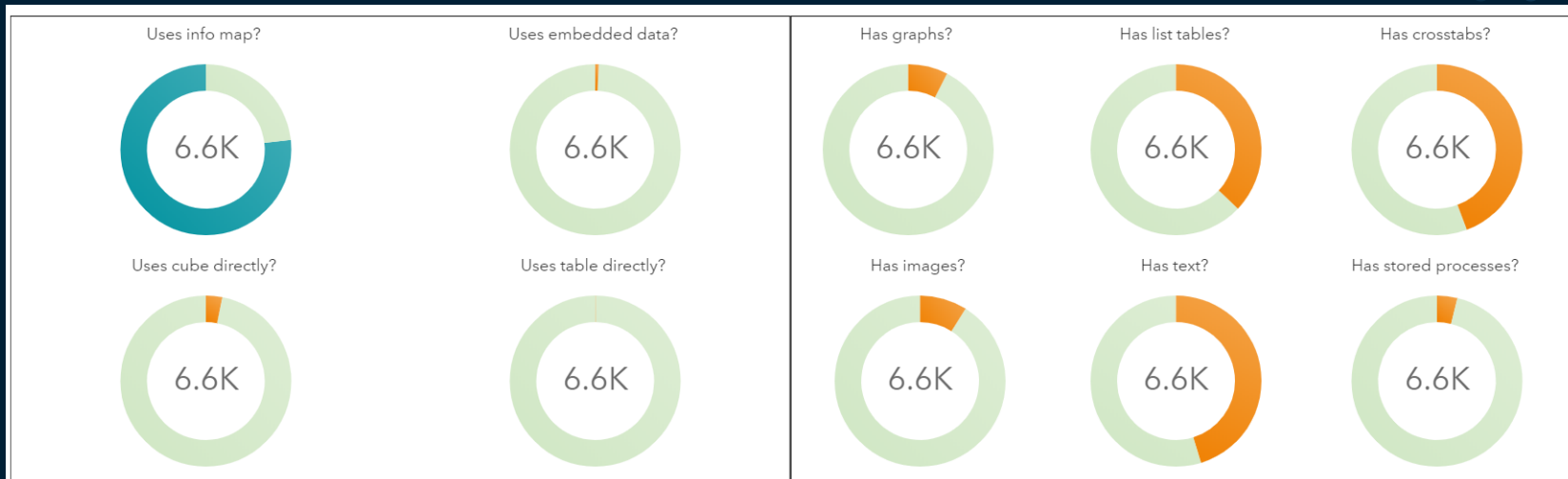
OLAP Measures

7,311

OLAP Permissions

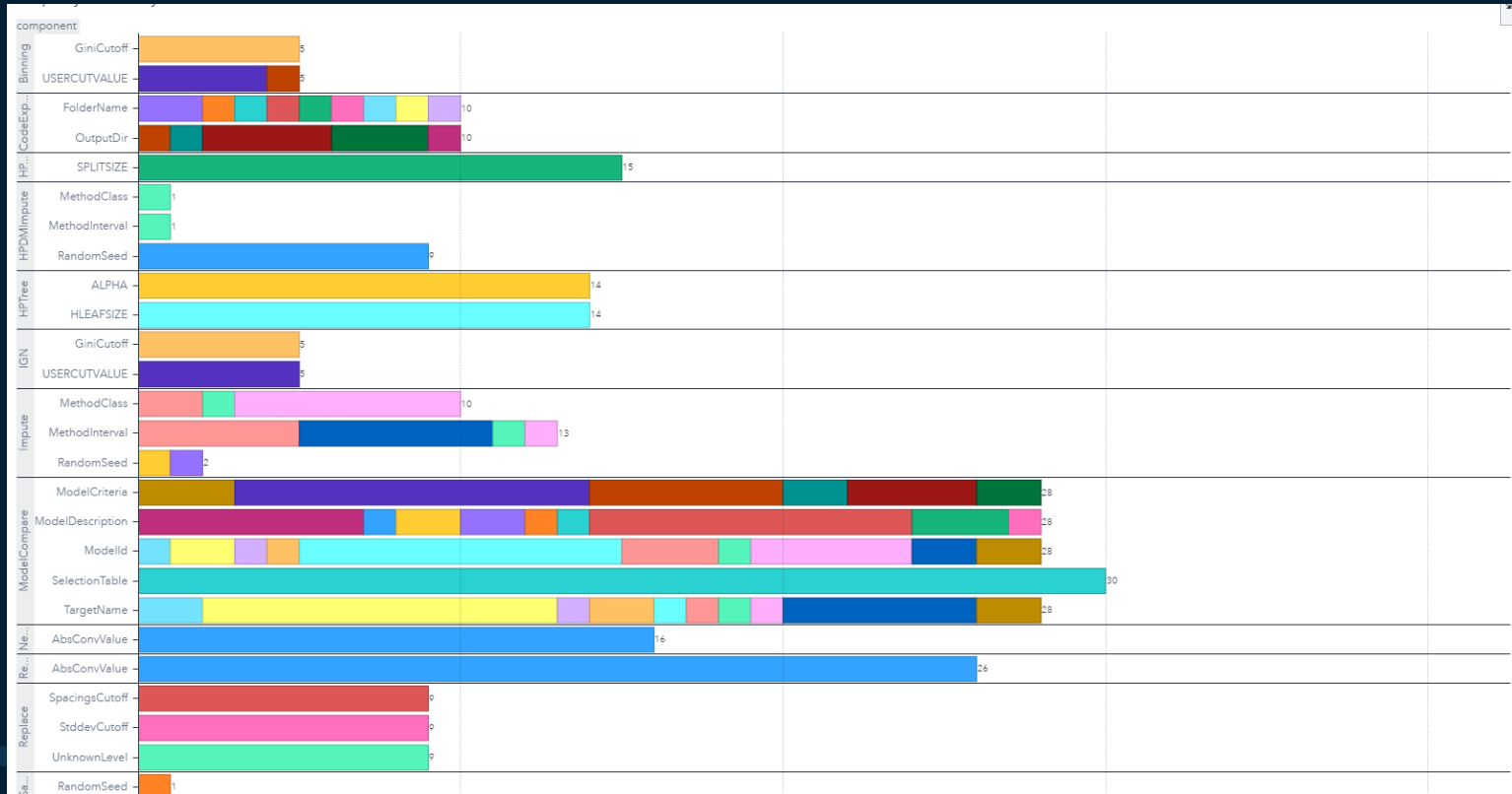
644

SAS Web Report Studio source and graph usage

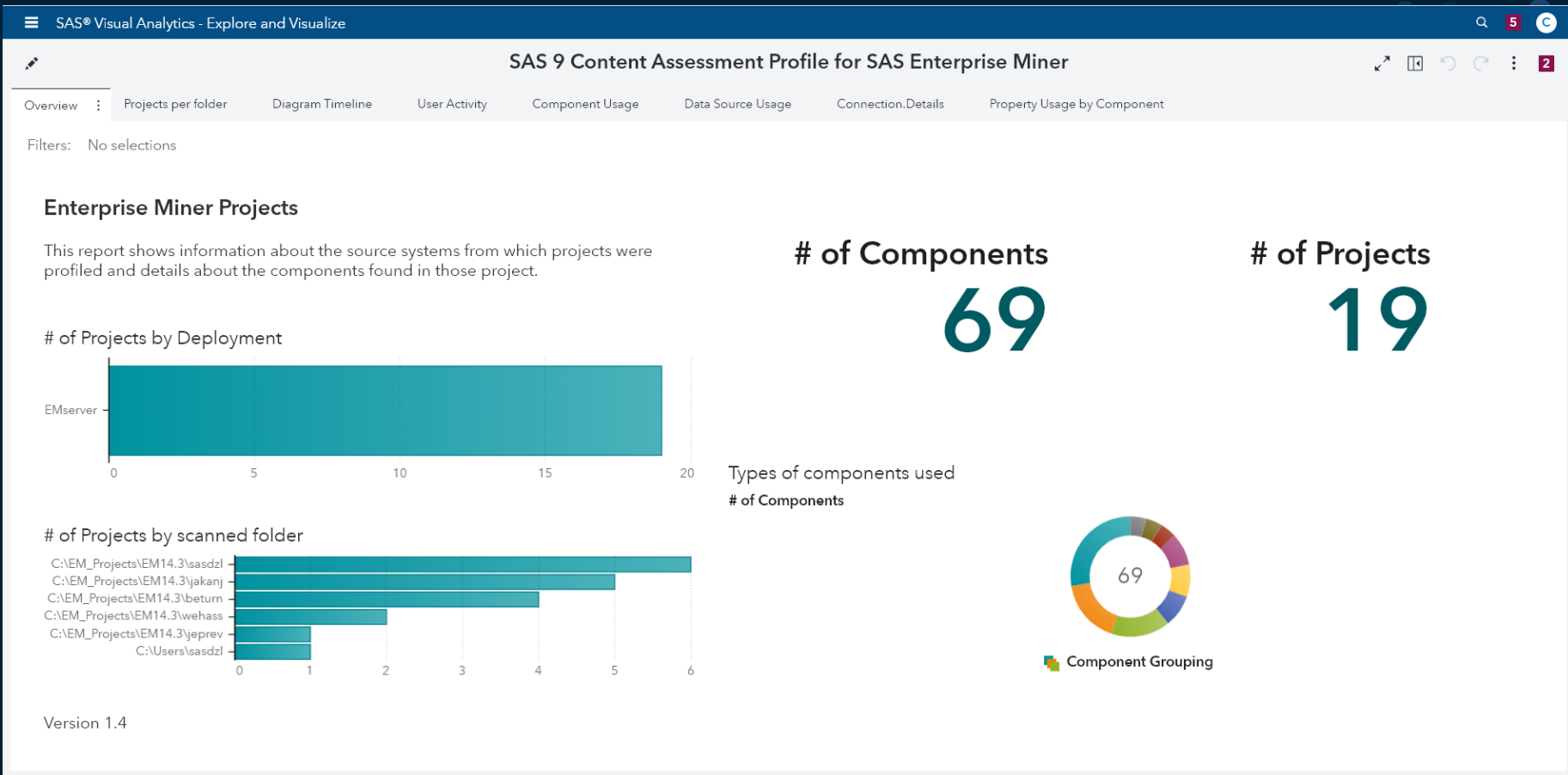


Deployment	Full path
Lev1	/WAREHOUSE/Reports/It_MIS_Report.srx
Lev1	/WAREHOUSE/Information Maps/Zone_wise_Summary_IT_Assets_Vintage.srx
Lev1	/WAREHOUSE/Information Maps/Zone_wise_RAM_Speed_summary.srx
Lev1	/WAREHOUSE/Information Maps/Zone_wise_printer_Type-Vintage_summary.srx
Lev1	/WAREHOUSE/Information Maps/Zone_wise_Low_Config_summary.srx
Lev1	/WAREHOUSE/Information Maps/Zone_wise_CPU_Speed_summary.srx
Lev1	/WAREHOUSE/Information Maps/test1.srx
Lev1	/WAREHOUSE/Information Maps/test.srx
Lev1	/WAREHOUSE/Information Maps/sample3.srx

SAS Enterprise Miner Components and Properties

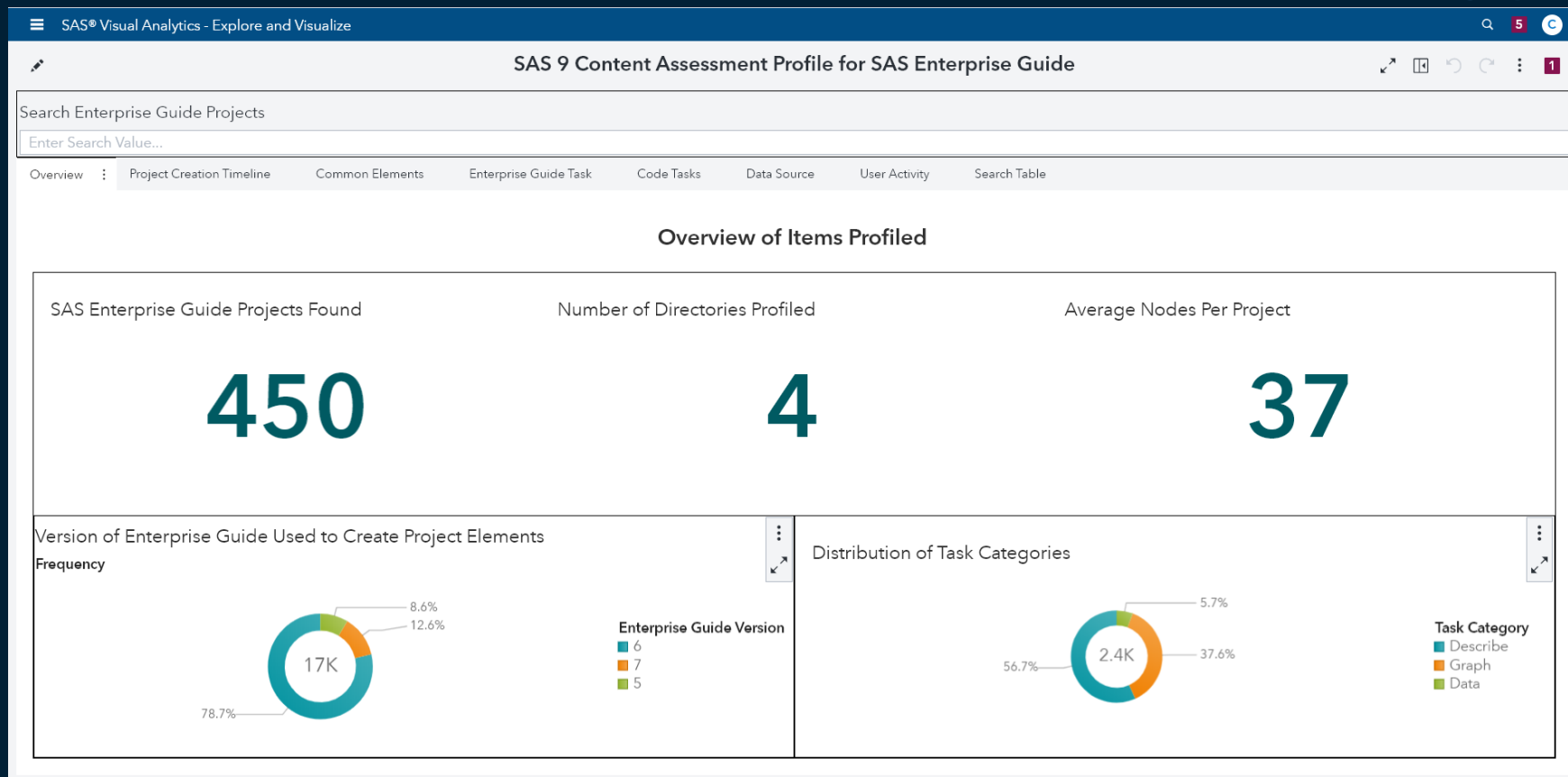


What did SAS 9 Profile find about my Enterprise Miner projects?





Which Enterprise Guide items are profiled?





Which Enterprise Guide tasks are used most?

Search Enterprise Guide Projects

Enter Search Value...

Overview Project Creation Timeline Common Elements Enterprise Guide Task Code Tasks Data Source User Activity Search Table

Filters: No selections

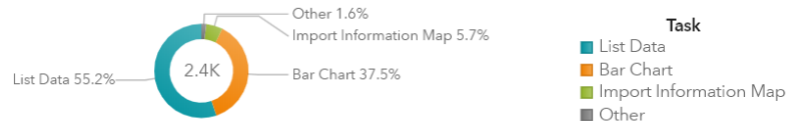
Enterprise Guide Tasks

Select a task category for more detailed information.

Distribution of Task Categories



Top Tasks Created



Task	Task Category	Element ID	Element Created
Import Information Map	Data	21T6cVfVhOhUkmB	Thursday, May 16, 2013 09:51:4
Import Information Map	Data	2WJPyshzCyNejYCl	Thursday, May 30, 2013 07:38:5
Import Information Map	Data	34PZsGYgQ5ex95W9	Wednesday, May 29, 2013 07:54
Import Information Map	Data	3ITseQLcAVkXucZx	Wednesday, April 10, 2013 08:4
Import Information Map	Data	5TaJEagpQyjKdHgX	Wednesday, March 27, 2013 07:
Import Information Map	Data	6ce8sNHUhdw46VOD	Wednesday, April 3, 2013 10:43
Import Information Map	Data	6WaKclDf8tG67qBq	Monday, May 6, 2013 04:04:52

Task	Frequency	Frequency Percent
List Data	1,327	55.18%
Bar Chart	902	37.51%
Import Information Map	137	5.70%
CTM Client Application	36	1.50%
Line Plot	1	0.04%
Box Plot	1	0.04%
Area Plot	1	0.04%



Where are Enterprise Guide project nodes located?

SAS® Visual Analytics - Explore and Visualize

SAS 9 Content Assessment Profile for SAS Enterprise Guide

Search Enterprise Guide Projects
Enter Search Value...

Overview Project Creation Timeline Common Elements Enterprise Guide Task Code Tasks Data Source User Activity Search Table

Filters: No selections

SAS Enterprise Guide Project Node Locations

SPECIFIED_LOCATION

- /mnt/cardio/users/liekke/AssessmentTool/EGProjects/EG Version 7.15HF8 F4EC715/27JUN19B...
- /mnt/cardio/users/liekke/AssessmentTool/EGProjects/EG Version 7.15HF8 F4EC715/28JUNBW.e...
- /mnt/cardio/users/liekke/AssessmentTool/EGProjects/EG6.1Level0Projects/01-14-2013bidtest_E...
- /mnt/cardio/users/liekke/AssessmentTool/EGProjects/EG6.1Level0Projects/01-16-2013bidtest_E...
- /mnt/cardio/users/liekke/AssessmentTool/EGProjects/EG6.1Level0Projects/01-17-2013bidtest_E...
- /mnt/cardio/users/liekke/AssessmentTool/EGProjects/EG6.1Level0Projects/01-18-2013bidtest_T...
- /mnt/cardio/users/liekke/AssessmentTool/EGProjects/EG6.1Level0Projects/01-21-2013bidtest_E...
- /mnt/cardio/users/liekke/AssessmentTool/EGProjects/EG6.1Level0Projects/01-25-2013bidtest_E...
- /mnt/cardio/users/liekke/AssessmentTool/EGProjects/EG6.1Level0Projects/01-28-2013bidtest_E...
- /mnt/cardio/users/liekke/AssessmentTool/EGProjects/EG6.1Level0Projects/01Apr2013mlz.egg
- /mnt/cardio/users/liekke/AssessmentTool/EGProjects/EG6.1Level0Projects/01Aug2012mlz.egg
- /mnt/cardio/users/liekke/AssessmentTool/EGProjects/EG6.1Level0Projects/01Feb2013mlz.egg
- /mnt/cardio/users/liekke/AssessmentTool/EGProjects/EG6.1Level0Projects/01Jun2012emj.egg

Enterprise Guide Version

17K

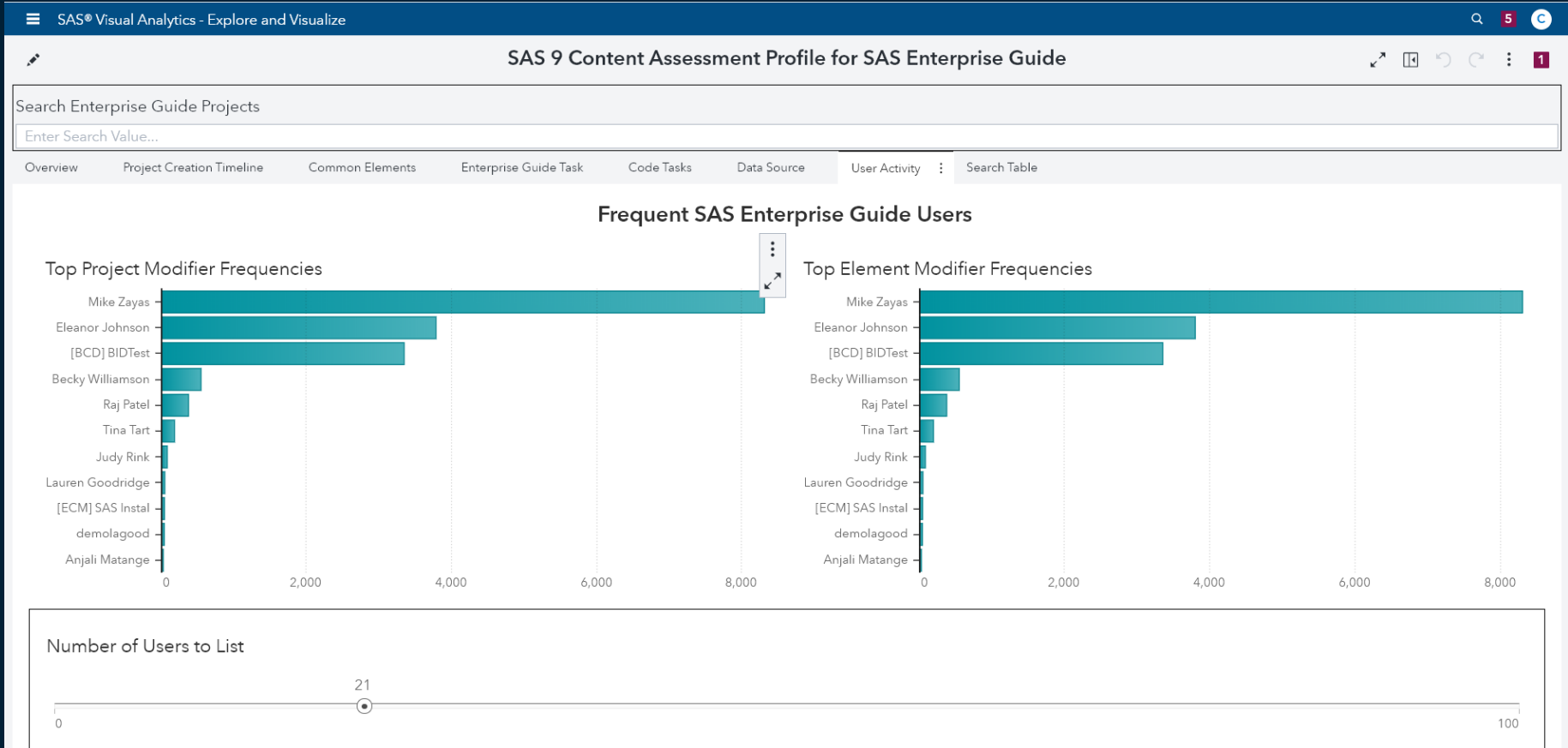
Enterprise Guide Version

- 6
- 7
- 5

Project Creation Date

Sunday, January 1, 2012 12:00:00 AM Friday, January 1, 2016 12:00:00 AM

Which users edit Enterprise Guide projects and elements most?



Code Check SAS 9 to surface issues related to SAS Code



SAS 9 Inventory

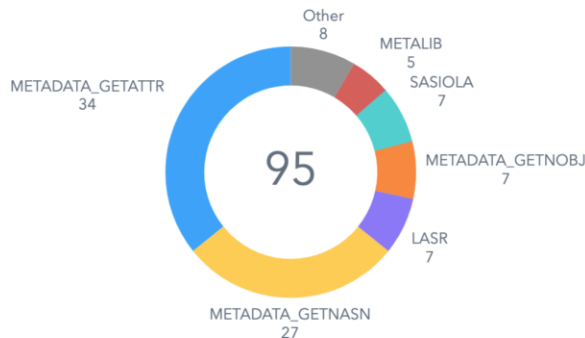
SAS 9 Profile

SAS 9 Code Check

Identifies issues with SAS code that may be incompatible with SAS® Viya®

SAS 9 Code Check – Code changes needed?

Which SAS 9 elements by name have code support issues in SAS Viya?



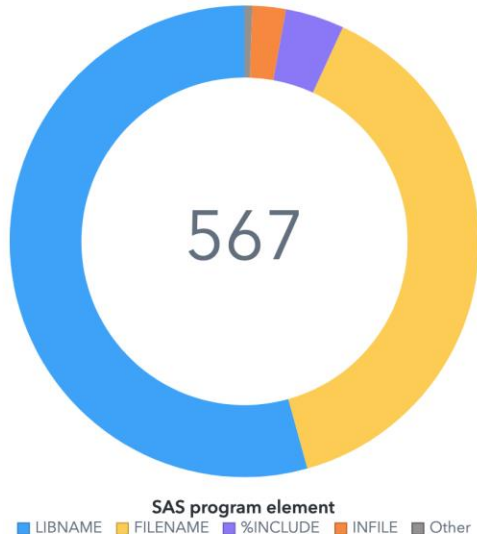
SAS program element	Full program name	Source code statement
UNIVARIATE	\\cardio\DIS_testing\assessment\SASProgs\or\sampsrc\en\oolschrt.sas	proc univariate;
METADATA_GETNASN	\\cardio\DIS_testing\assessment\Phase I - Profiling\ViyaReadinessUtility\new run - LASR...	code_items = metadata_getnasn(infomap_uri, "SourceCode", i_code, code_uri);
RISK	\\cardio\DIS_testing\assessment\SASProgs\risk\ucmacros\en\rdui_idx_xref.sas	create table &dest_table (label="identify columns for xref lookups by api") (OBJECT_TYPE num "the internal numeric val
METADATA_GETNASN	\\cardio\DIS_testing\assessment\Phase I - Profiling\ViyaReadinessUtility\new run - LASR...	do while (metadata_getnasn(tree_uri,"ParentTree",1,parent_uri)>0);
METADATA_GETNOBJ	\\cardio\DIS_testing\assessment\Phase I - Profiling\ViyaReadinessUtility\new run - LASR...	gen_tform_rc = metadata_getnobj("omsobj:Prototype?@PublicType='GeneratedTransform'", i_gen_tform_obj, gen_tform
METADATA_GETNOBJ	\\cardio\DIS_testing\assessment\Phase I - Profiling\ViyaReadinessUtility\new run - LASR...	infomap_items = metadata_getnobj("omsobj:Transformation?@PublicType contains 'InformationMap'", i_infomap_obj, inf
ACCESS	\\cardio\DIS_testing\assessment\SASProgs\dbi\sampsrc\en\PCFReadDatabase.sas	libname db access "&srcdb" access=readonly;

SAS 9 Code Check – Check paths for access

Which SAS 9 elements with hard-coded paths could have code support issues in SAS Viya?

Before migrating elements with hard-coded paths, verify the hard-coded pathnames that appear are available on the SAS Viya target system.

SAS Programs



SAS program element	Source code statement	Full program name
LIBNAME	LIBNAME olap BASE "/tstgen/wky/tst-v920/olap/testtio/lax";	\\cardio\DIS_testing\assessment\Phase I - Profil
%INCLUDE	%include "&basedir./products/IMS/IMS_InfoMapExpr.sas";	\\cardio\DIS_testing\assessment\Phase I - Profil
FILENAME	filename blob "&outfilesdir./imblob.xml";	\\cardio\DIS_testing\assessment\Phase I - Profil
FILENAME	filename request "&outfilesdir./tmpInput.xml" encoding="utf-8";	\\cardio\DIS_testing\assessment\Phase I - Profil
FILENAME	filename result "&outfilesdir./tmpOutput.xml" encoding="utf-8";	\\cardio\DIS_testing\assessment\Phase I - Profil
%INCLUDE	%include "&basedir./metaparms.sas";	\\cardio\DIS_testing\assessment\Phase I - Profil
%INCLUDE	%include "&basedir./definitions.sas";	\\cardio\DIS_testing\assessment\Phase I - Profil
%INCLUDE	%include "&basedir./products/IMS/IMS_InfoMapOlapExpr.sas";	\\cardio\DIS_testing\assessment\Phase I - Profil
FILENAME	filename imxmlmap "&mapsdir./exprgeneric.map";	\\cardio\DIS_testing\assessment\Phase I - Profil
%INCLUDE	%include "&basedir./products/IMS/IMS_expressions.sas";	\\cardio\DIS_testing\assessment\Phase I - Profil
LIBNAME	LIBNAME SmallTab BASE "Data/VDB/SmallTables";	\\cardio\DIS_testing\assessment\Phase I - Profil
INFILE	infile 'gdevice.txt' length=len;	\\cardio\DIS_testing\assessment\Phase I - Profil
LIBNAME	LIBNAME dporstar BASE "Data/orstar";	\\cardio\DIS_testing\assessment\Phase I - Profil
LIBNAME	LIBNAME VAPUBLIC SASHDAT PATH="/vapublic" SERVER="vafi...";	\\cardio\DIS_testing\assessment\Phase I - Profil
LIBNAME	LIBNAME dporstar BASE "Data/orstar";	\\cardio\DIS_testing\assessment\Phase I - Profil
LIBNAME	LIBNAME VAPUBLIC SASHDAT PATH="/vapublic" SERVER="vafi...";	\\cardio\DIS_testing\assessment\Phase I - Profil
LIBNAME	libname samples base '?????????';	\\cardio\DIS_testing\assessment\SASProgs\dbj

SAS 9 Content Assessment - Code Check



SAS Visual Analytics

SAS Code Check for SAS Viya Report

Select a deployment to filter the report: SERVER_LABEL
Select a tag to filter the report: Scan tag

Overview | Summary by Program | Incompatible by Element | Incompatible by Program | Incompatible by Element Name | Hard-Coded Paths | Incompatible by Element Type | Incompatible by Specific Element | INFO: Library engine | INFO: Known incompatible elements | Get more report details

Which SAS 9 programs include compatible code in SAS Viya?

Click the grey or red section of the graph to filter the table. From the table, click the program name of incompatible programs to see details.

How many total lines of code are in incompatible programs?

33K

What percentage of programs are compatible?

Full program name	Number of lines	Number of SAS Viya issues	Is program compatible?
\\cardio\DIS_testing\assessmentPhase I - Profiling\ViyaReadinessUtility\new run - LASR\samples\astcall.sas	10	0	Yes
\\cardio\DIS_testing\assessmentPhase I - Profiling\ViyaReadinessUtility\new run - LASR\samples\build.sas	9	0	Yes
\\cardio\DIS_testing\assessmentPhase I - Profiling\ViyaReadinessUtility\new run - LASR\samples\class.sas	5	0	Yes
\\cardio\DIS_testing\assessmentPhase I - Profiling\ViyaReadinessUtility\new run - LASR\samples\crime.sas	6	0	Yes
\\cardio\DIS_testing\assessmentPhase I - Profiling\ViyaReadinessUtility\new run - LASR\samples\devdata.sas	96	0	Yes
\\cardio\DIS_testing\assessmentPhase I - Profiling\ViyaReadinessUtility\new run - LASR\samples\fitness.sas	5	0	Yes
\\cardio\DIS_testing\assessmentPhase I - Profiling\ViyaReadinessUtility\new run - LASR\samples\highway.sas	7	0	Yes
\\cardio\DIS_testing\assessmentPhase I - Profiling\ViyaReadinessUtility\new run - LASR\samples\ingots.sas	6	0	Yes
\\cardio\DIS_testing\assessmentPhase I - Profiling\ViyaReadinessUtility\new run - LASR\samples\macros.sas	141	0	Yes
\\cardio\DIS_testing\assessmentPhase I - Profiling\ViyaReadinessUtility\new run - LASR\samples\oranges.sas	7	0	Yes
\\cardio\DIS_testing\assessmentPhase I - Profiling\ViyaReadinessUtility\new run - LASR\samples\vretail.sas	9	0	Yes
\\cardio\DIS_testing\assessmentPhase I - Profiling\ViyaReadinessUtility\new run - LASR\samples\sasappl.sas	31	0	Yes
\\cardio\DIS_testing\assessmentPhase I - Profiling\ViyaReadinessUtility\new run - LASR\samples\veneer.sas	6	0	Yes
\\cardio\DIS_testing\assessmentPhase I - Profiling\ViyaReadinessUtility\new run - LASRBasicStarBuild.sas	27	0	Yes
\\cardio\DIS_testing\assessmentPhase I - Profiling\ViyaReadinessUtility\new run - LASRBasicStarCube1.sas	22	1	No
\\cardio\DIS_testing\assessmentPhase I - Profiling\ViyaReadinessUtility\new run - LASRDIS_GT_Extract_All_Generated_Transforms_one_repos.sas	174	23	No
\\cardio\DIS_testing\assessmentPhase I - Profiling\ViyaReadinessUtility\new run - LASRIMS_informap.sas	283	21	No
\\cardio\DIS_testing\assessmentPhase I - Profiling\ViyaReadinessUtility\new run - LASRload_1558723104.sas	75	2	No
\\cardio\DIS_testing\assessmentPhase I - Profiling\ViyaReadinessUtility\new run - LASRlap1.sas	17	1	No
\\cardio\DIS_testing\assessmentPhase I - Profiling\ViyaReadinessUtility\new run - LASRstart_1558722932.sas	38	1	No

Understanding SAS 9 to Viya Migration

- Some SAS 9 objects are migrated to **new types** in Viya
- Some SAS 9 applications are combined into common applications in Viya



SAS 9 to SAS Viya Migration Examples

SAS 9

SAS Viya

DI Studio Jobs



SAS Studio Flows

Enterprise Guide Projects



SAS Studio Flows

Visual Analytics Reports



Visual Analytics Reports

OLAP Cubes



SAS Jobs and Visual Analytics Data Views

Relational Information Maps



SAS Jobs

Stored Processes



SAS Jobs

SAS Studio – Unified Integrated Development Environment

SAS Enterprise Guide



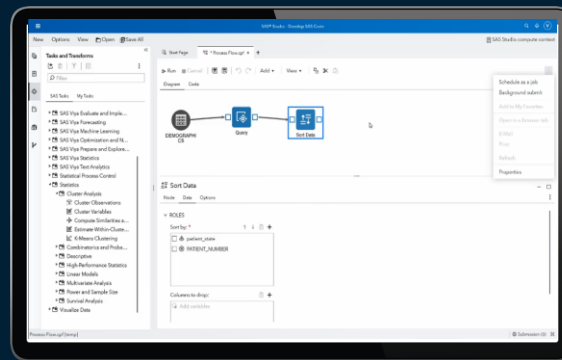
SAS Data Integration



SAS Code, Servers & Libraries



SAS Studio



Code

Robust SAS code editor with auto-complete and syntax help

Design

Tasks, Queries & Flows

Collaborate

GIT Integration, Shared Tasks & Snippets

SAS Code & Data Management – Path Moving Forward

SAS Code



- SAS 9 Code check able to scan large numbers of SAS programs and determines where SAS Code needs review
- Generates output report like other Assessment modules

Stored Process Libraries



- Stored Processes are **converted to SAS Viya Job Definition**. Many of the converted Viya Jobs run as-is. SAS 9 Code Check can help identify issues
- Most SAS library definitions convert to CAS libraries with authorization.

Enterprise Guide



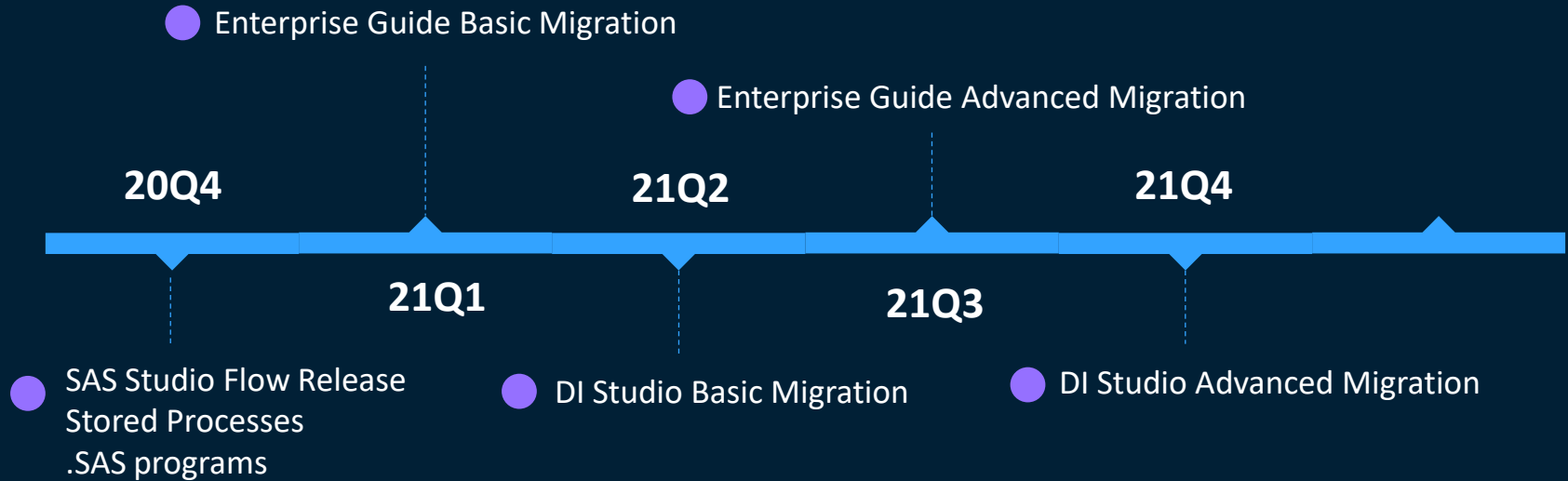
- Enterprise Guide projects will be migrated to SAS Studio Flows
- Supported migration features will be gradual starting from EG tasks to SAS Program steps, to EG tasks to similar Studio Flow steps.

Data Integration



- SAS Data Integration Studio will also be migrated to SAS Studio Flows
- Supported migration features will be gradual starting from DI nodes to SAS Program steps, to DI node to similar Studio Flow steps.

Step-by-Step Roadmap for migration capabilities



Summary

- Content Assessment tool is free and available to help you start your migration planning
- It helps you understand the effort required to migrate your content to SAS Viya
- Also useful for estimating promotions between the same SAS version





Questions?

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