



SAS[®] 9 Content Assessment

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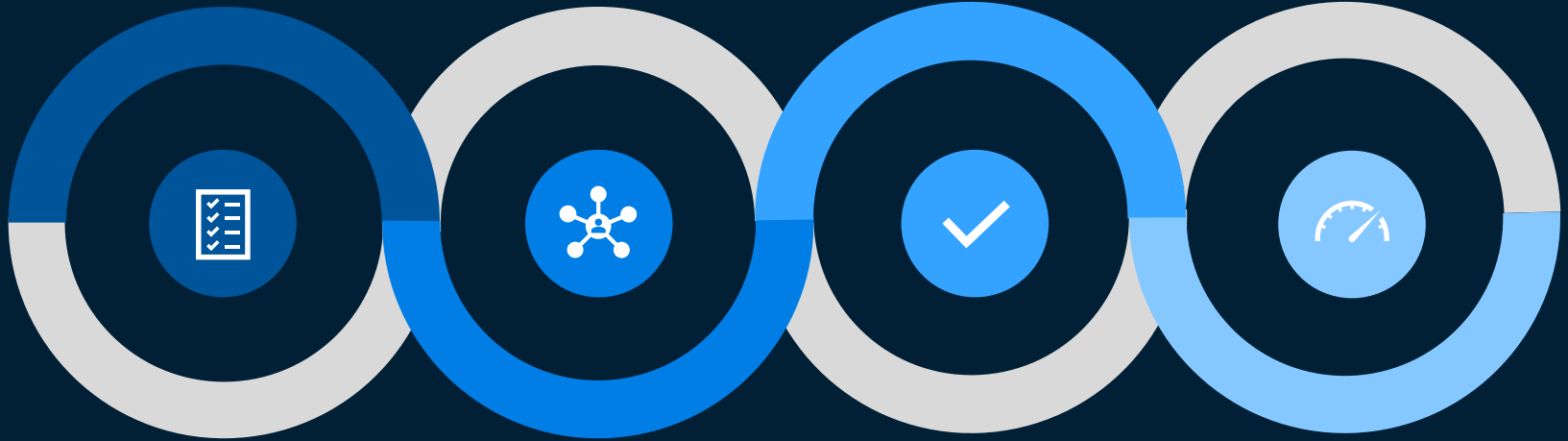
SAS® 9 Content Assessment

Free applications that help you plan. Reducing risk and effort.

SAS® 9 Content Assessment

- För att planera flytt till Viya
- Eller för att inventera SAS 9

The SAS[®] 9 Content Assessment helps organizations understand their SAS[®] 9 systems.

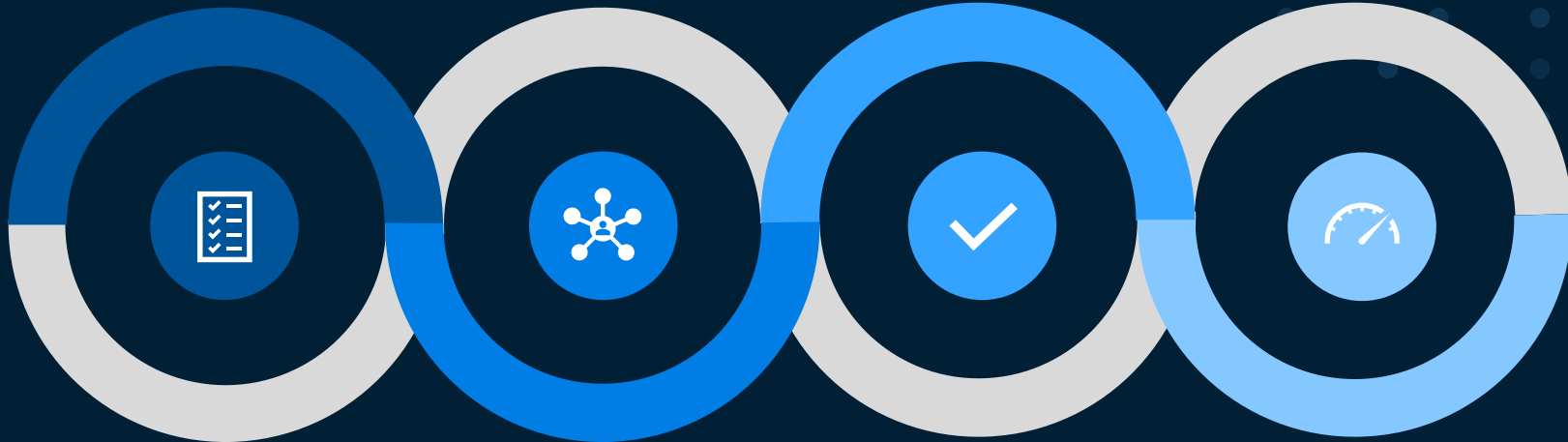


SAS 9 Inventory

SAS 9 Profile

SAS 9 Code Check

SAS 9 System Evaluation



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 prohibit it from running in SAS® Viya®

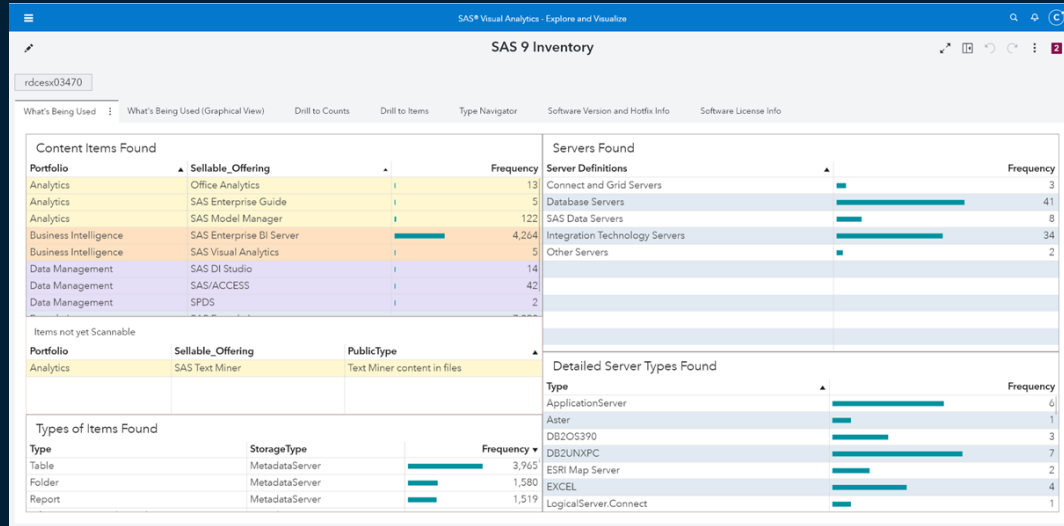
SAS 9 System Evaluation

Identifies potential issues for SAS 9.4 Upgrade in Place



SAS 9 Inventory:

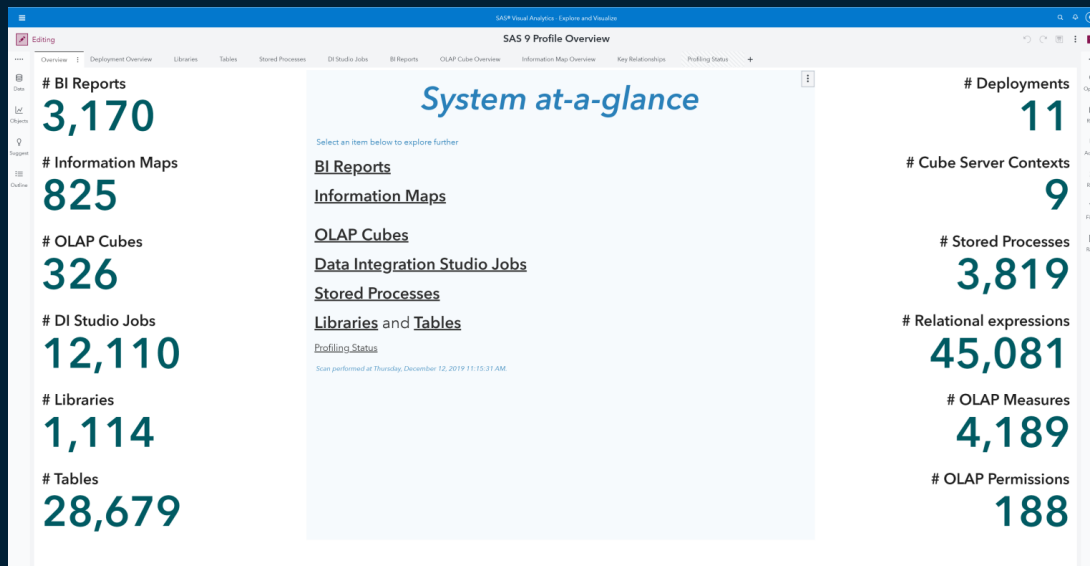
Provides a comprehensive view of content on SAS 9.4 systems.





SAS 9 Profile

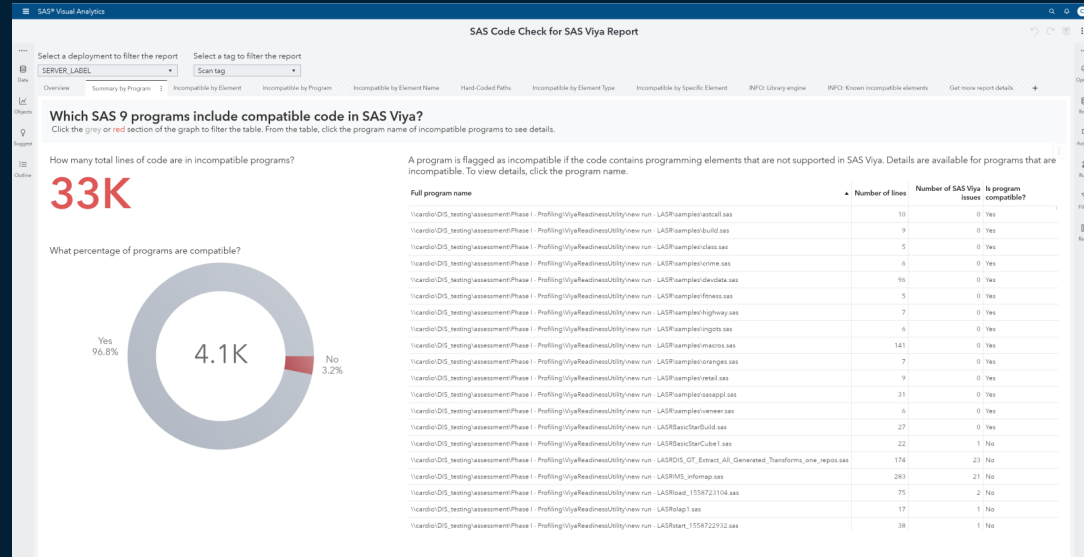
Understand the details of what exists on your SAS 9 system so that you can plan for your SAS Viya migration.





SAS 9 Code Check:

Understand compatibility of your existing SAS 9 code (.sas files) with the compute server for SAS Viya (SPRE).





SAS 9 System Evaluation:

Known deployment issues are identified prior to upgrade in place so they can be remedied with SAS Technical Support to ensure a smooth upgrade process.

SAS System Evaluation

System Evaluation Report

rdcesx03470

Total Issues:

6

System Details:

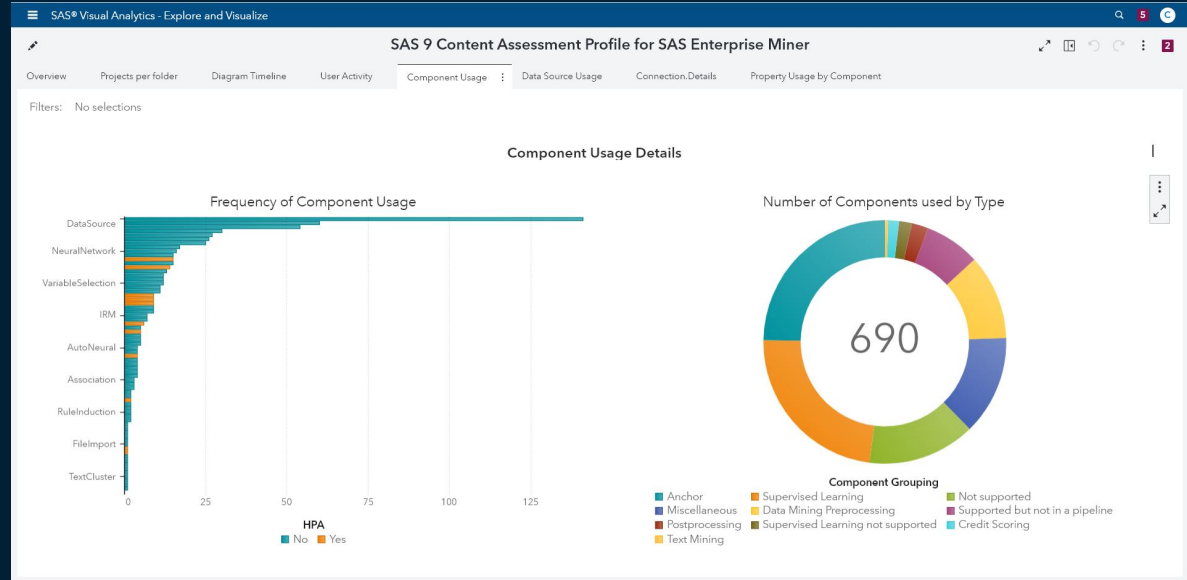
Operating System: Linux	Kernel Name: Linux
CPU(s): 2	Kernel Release: 2.6.32-131.0.15.el6.x86_64
Thread(s) per core: 1	Kernel Version: #1 SMP Tue May 10 15:4...
Core(s) per socket: 1	System Locale: en_US.UTF-8
CPU Socket(s): 2	Total System Memory: 32884692 kB
NUMA Node(s): 1	Available System Memory: 3579156 kB

System Evaluation Summary

Task	Status	Comments	Message
Evaluating SAS web applications	Success	Unable to locate SAS web application details in SAS metadata.	
Archiving results directory	Issues Found		Unable to archive one or more files.
Validating all SAS software orders	Issues Found	The cd.id file for this SAS deployment could not be processed. Please check that it exist and is valid. It can be found in <SASHOME>/SASDeploymentManager/9.4.	
Processing configuration properties	Issues Found	The configuration properties file for the specified configuration directory does not exist or is not accessible.	
Validating settings for the configuration directory	Issues Found	Unable to verify host names in the specified configuration directory.	

SAS 9 Content Assessment Tool Reporting

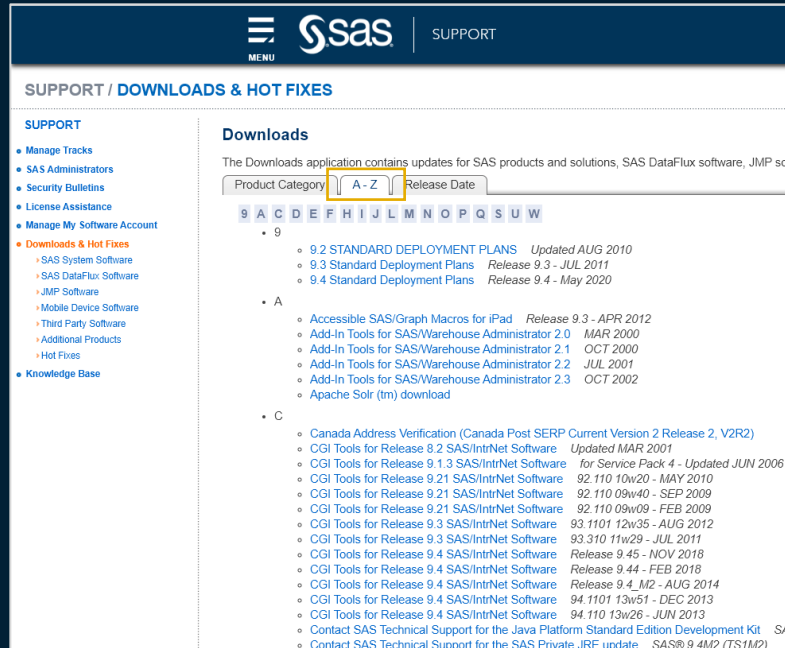
Assessment results are published to a datamart that can be visualized in SAS Visual Analytics. Prebuilt reports are included in the download.





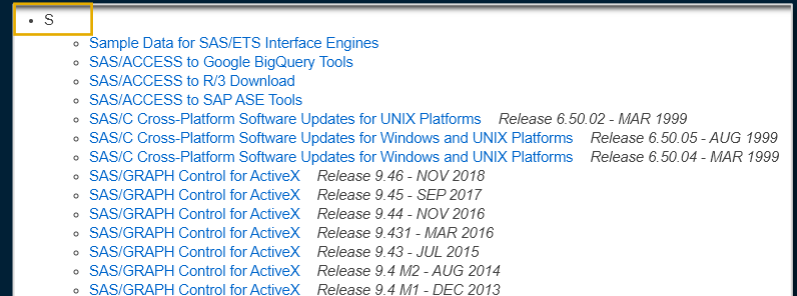
Shared customer data from the SAS[®] 9 Content Assessment informs SAS R & D efforts.

SAS 9 Content Assessment is available from Downloads & Hot Fixes on support.sas.com



The screenshot shows the SAS Support website interface. At the top, there is a navigation bar with the SAS logo and the word 'SUPPORT'. Below this, the main heading is 'SUPPORT / DOWNLOADS & HOT FIXES'. On the left side, there is a 'SUPPORT' menu with various categories like 'Manage Tracks', 'SAS Administrators', 'Security Bulletins', etc. The main content area is titled 'Downloads' and contains a sub-heading 'The Downloads application contains updates for SAS products and solutions, SAS DataFlux software, JMP software'. Below this, there is a filter for 'Product Category' with a dropdown menu showing 'A - Z' selected. A row of letters from 'A' to 'Z' is displayed, with 'A' through 'U' visible. The 'A' category is expanded, showing a list of updates including '9.2 STANDARD DEPLOYMENT PLANS', '9.3 Standard Deployment Plans', and '9.4 Standard Deployment Plans'. The 'C' category is also expanded, showing a list of updates including 'Canada Address Verification', 'CGI Tools for Release 9.2 SAS/IntrNet Software', and 'CGI Tools for Release 9.1.3 SAS/IntrNet Software'.

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



The screenshot shows the SAS Support website interface, similar to the previous one, but with the 'S' category selected in the Product Category filter. The 'S' category is expanded, showing a list of updates including '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', 'SAS/C Cross-Platform Software Updates for Windows and UNIX Platforms', 'SAS/GRAPH Control for ActiveX', 'SAS/GRAPH Control for ActiveX', 'SAS/GRAPH Control for ActiveX', 'SAS/GRAPH Control for ActiveX', 'SAS/GRAPH Control for ActiveX', 'SAS/GRAPH Control for ActiveX', 'SAS/GRAPH Control for ActiveX', and 'SAS/GRAPH Control for ActiveX'.

2. Scroll to the S category.



The screenshot shows the SAS Support website interface, similar to the previous one, but with the 'SAS 9 Content Assessment 1.3' download highlighted in the 'S' category. The 'S' category is expanded, showing a list of updates including 'SAS/SECURE SSL Add-in', 'SAS/SHARE Data Provider', 'SAS/SHARE Data Provider', 'SAS 8.2 Qualification Tools', 'SAS 9 Content Assessment 1.3', 'SAS Administration CLI', 'SAS AppDev Studio 2.0 and 3.0 Localized Server-side Data Sets (Spanish Only)', 'SAS AppDev Studio Eclipse Plug-ins Update', 'SAS AppDev Studio Eclipse Plug-ins Update', 'SAS AppDev Studio Java Components 3.1.2 Update', 'SAS AppDev Studio Java Components 3.1.3 Update', and 'SAS AppDev Studio Java Components 3.1.3 Update'.

3. Find the SAS 9 Content Assessment download.

Documentation is available as part of the download.

The screenshot shows the SAS 9 Content Assessment documentation page. The page has a dark blue header with the SAS logo on the left and 'Customer Support | SAS Documentation' on the right. Below the header is a navigation bar with a search icon, 'PDF', 'EPUB', and 'Feedback' links. The main content area is titled 'SAS 9 Content Assessment' and contains a list of links: 'What Does It Do and What Do I Get?', 'What Is Required?', 'How Does It Work?', 'Getting Started', 'Specifying Required Settings', 'Executing the inventoryContent Application', 'Executing the profileContent Application', 'Executing the codeCheck Application', 'Executing the systemEvaluation Application', 'Executing the publishAssessedContent Application', 'Importing the Data Mart', and 'Version History'. The 'Specifying Required Settings' link is highlighted with a yellow box. At the bottom of the page, there is a footer with 'Copyright © SAS Institute Inc. All Rights Reserved. Last updated: July 2, 2020' and a status bar with 'Establishing secure connection...', 'Privacy Statement', 'Terms of Use', and 'Copyright © SAS Institute Inc. All Rights Reserved'.

SAS 9 Content Assessment

- [What Does It Do and What Do I Get?](#)
- [What Is Required?](#)
- [How Does It Work?](#)
- [Getting Started](#)
- [Specifying Required Settings](#)
- [Executing the inventoryContent Application](#)
- [Executing the profileContent Application](#)
- [Executing the codeCheck Application](#)
- [Executing the systemEvaluation Application](#)
- [Executing the publishAssessedContent Application](#)
- [Importing the Data Mart](#)
- [Version History](#)

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How does it work?



SAS 9.4

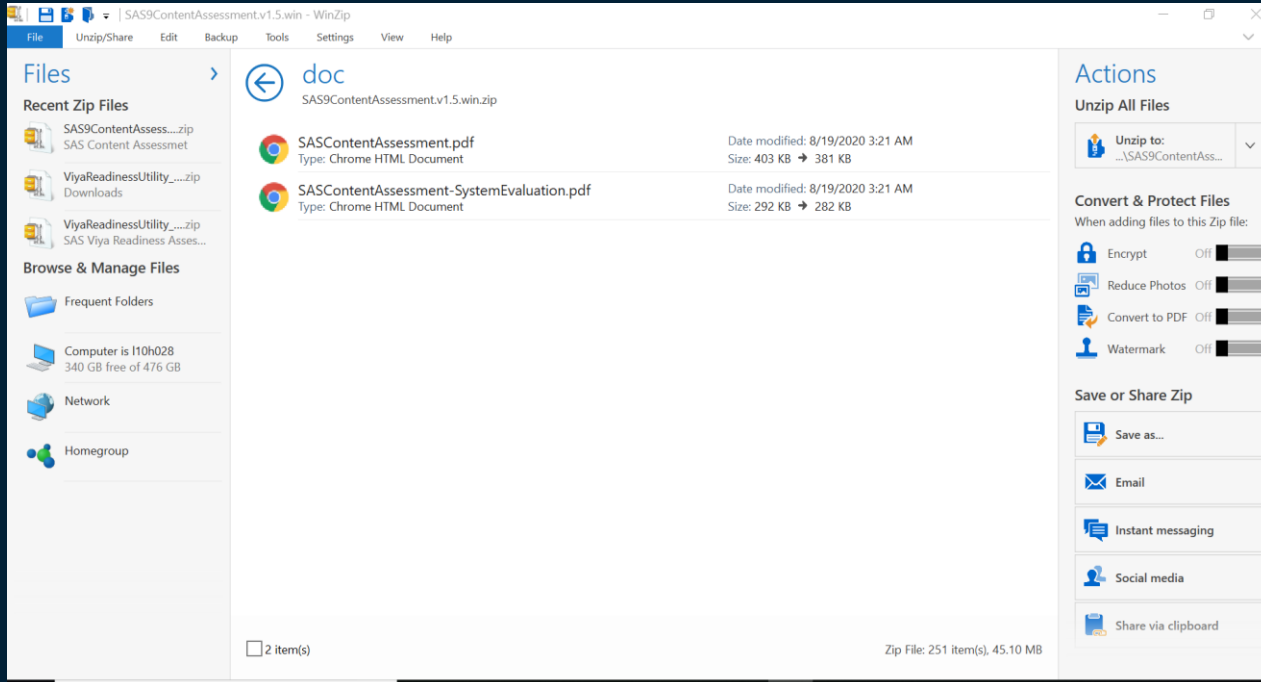
Code check: 94M5+

VA 7.5/8.3+

Linux & Windows

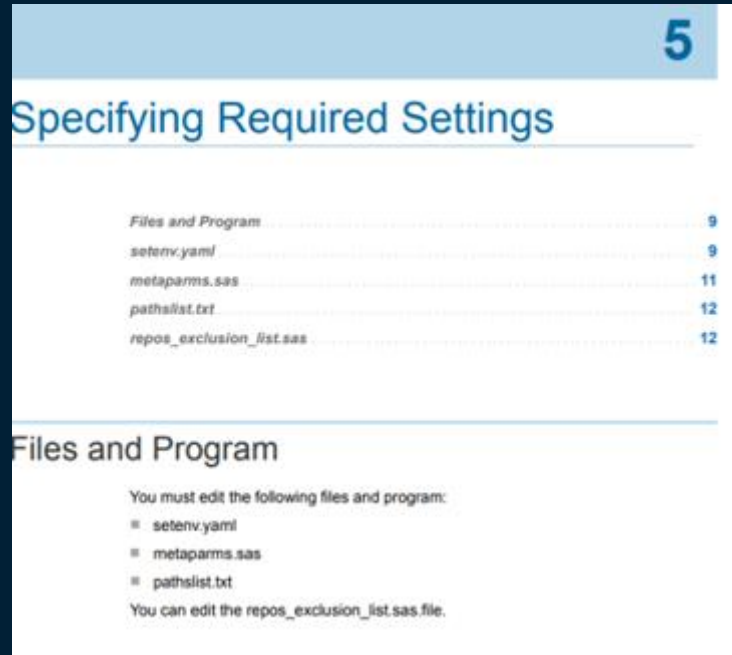
How does it work?

Documentation is located in the “doc” folder



How does it work?

You must modify `metaparms.sas` and `setenv.yaml`



5

Specifying Required Settings

<i>Files and Program</i>	9
<i>setenv.yaml</i>	9
<i>metaparms.sas</i>	11
<i>pathslist.txt</i>	12
<i>repos_exclusion_list.sas</i>	12

Files and Program

You must edit the following files and program:

- `setenv.yaml`
- `metaparms.sas`
- `pathslist.txt`

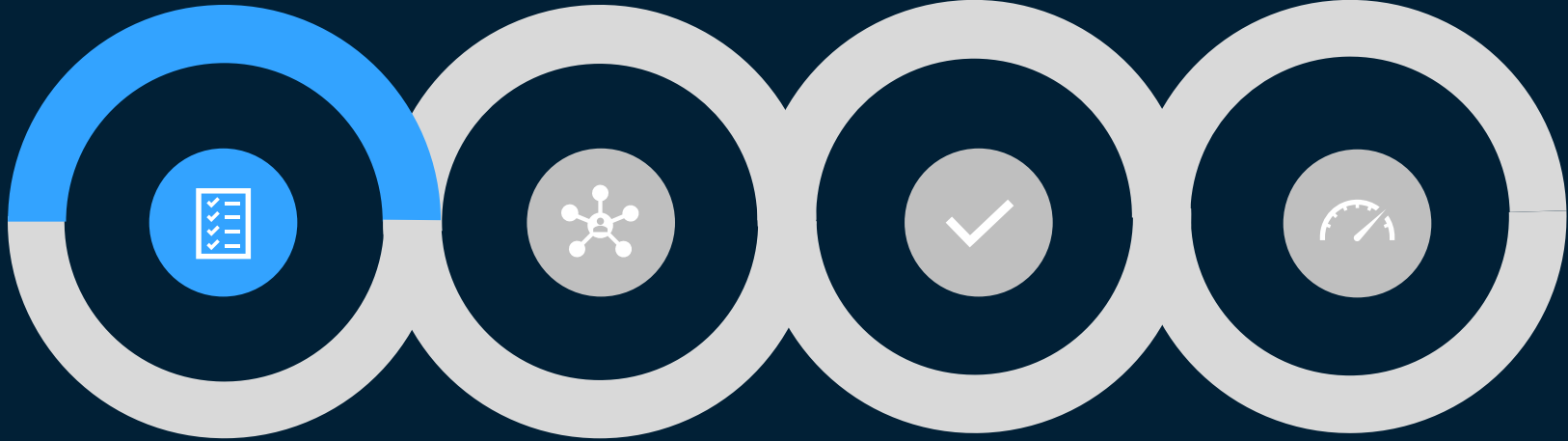
You can edit the `repos_exclusion_list.sas` file.

```
C:\Users\sweditr\Downloads\SAS9 ContentAssessment.v1.10.win\metaparms.sas - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?
vault-ca.crt sasviya-euroaccident.sasnow.com.vault-ca.crt.sas sasviya-euroaccident.sasnow.com.root.CA.crt sasviya-euroaccident.sasnow.com.intermediate.CA.crt hosts config.properties History
1  /*****
2  /* Copyright (c) 2018-2021 SAS Institute Inc, Cary, NC, USA. All Rights Reserved
3  *****/
4
5  /*
6   Specify SAS Metadata Server connection details and encryption password.
7   It is recommended to use an encrypted password such as SAS002 for all
8   password values.
9  */
10 %let METADATACUSTOMER = CustomerName;
11 %let METADATALABEL = ServerName;
12 %let METADATAHOSTNAME = <metadata server host>;
13 %let METADATAPORT = 8561;
14 %let METADATAUSER = sasadm@sas.com;
15 %let METADATAUSERPASSWORD = <sas002 encrypted password>;
16
17 /*
18  If SAS Proprietary encryption is going to be used in encrypting the
19  published data mart, the specified value must result in a valid SAS name.
20  */
21 %let SASENCRYPTIONPASSWORD = <password for encrypting published data mart>;
22
```



```
C:\Users\swedrt\Downloads\SAS9 ContentAssessment.v1.10.win\setenv.yaml - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?
hosts con... History.xml WindowLocations.xml WorkspaceLayout.xml QuerySettings.config setenv.yaml
14 # Specify the SASHOME location.
15 SAS_HOME:
16
17 # This should resolve to Java version 1.7 or higher.
18 SAS_JAVA_HOME: $SAS_HOME/SASPrivateJavaRuntimeEnvironment/9.4/jre/bin
19
20 # The following settings apply to how SAS programs are executed. They represent
21
22 # This option represents the SAS MEMSIZE option and specifies the limit on the
23 # that can be used by a SAS session. It defaults to the SAS system default of :
24 # specifying this option because no meaningful validation of the value specific
25 # will cause SAS program execution to fail.
26 ASSESSMENT_SAS_MEMSIZE_OPTION: 2G
27
28 # This option represents the SAS WORK system option and specifies the location
29 # therefore, a blank value results in SAS using its default paths. If a path i
30 # to exist and to be writable. To use this option, uncomment it, and specify a
31 # ASSESSMENT_SAS_WORK_OPTION:
32
33 # This setting is systemEvaluation specific and does not need to be set for th
34 # This is a required value for systemEvaluation and can either be set here or
35 # command-line option, which will override a setting in this file.
36 #
37 # Example values are as follows:
38 #
39 #     Windows - C:\SASConfig\Levl
40 #     Unix     - /opt/sas/config/Levl
41 #
42 ASSESSMENT_CONFIGDIR:
43
44 # The port to access the SAS 9 Content Assessment Framework.
45 ASSESSMENT_PORT: 8889
YAML Ain't Markup Language length: 6063 lines: 119 Ln: 1 Col: 1 Pos: 1 Unix (LF) UTF-8 INS
```

The SAS 9 Inventory provides details,
such as counts & creation information for each item.



SAS 9 Inventory

SAS 9 Profile

SAS 9 Code Check

SAS 9 System Evaluation

SAS 9 Inventory counts and collects data about content produced by SAS existing on your SAS 9 system.

SAS Metadata
Server objects

SAS server &
SAS application
server contexts

File System

SAS Content
Server

SAS Deployment
Registry
information

SAS licensing
status and
information

This application can be run as needed on multiple SAS deployments.

It creates a data mart for each SAS deployment that is inventoried.



- 1 scan the SAS 9 environment
- 2 publish results*
- 3 import into SAS Visual Analytics*
DataMart (SAS7BDAT data sets) & VA json templates
- 4 visualize results
- 5 share results with SAS
feedback influences migration conversion priorities

*SAS 9 Inventory, SAS 9 Profile, and SAS 9 Code Check for Viya



SAS 9 Inventory

Run the Inventory Scan from the Command Line

```
D:\SAS9ContentAssessment\V1.2>inventoryContent
Beginning the SAS Content Inventory process: [08May20:11:48:47]

Validating the environment.
Validating the environment: SUCCESS

Initializing inventory directories.
Initializing inventory directories: SUCCESS

Validating the SAS license
Validating the SAS license: SUCCESS

Validating the specified Java
Validating the specified Java: SUCCESS

Obtaining SAS Metadata repository information.
Obtaining SAS Metadata repository information: SUCCESS

Initializing the SAS 9 Content Assessment Framework.
Initializing the SAS 9 Content Assessment Framework: SUCCESS

Validating the SAS 9 Content Assessment Framework.
.....■
```



SAS 9 Inventory

Run publishAssessedContent from the Command Line

```
D:\SAS9ContentAssessment\sas9ContentAssessment\02Apr2020\V1.2>publishAssessedContent --datamart-type inventory  
Beginning the SAS Assessed Content Publishing process: [03Aug20:15:56:10]
```

```
Validating the environment.  
Validating the environment: SUCCESS
```

```
Validating the SAS license  
Validating the SAS license: SUCCESS
```

```
Obtaining SAS Metadata repository information.  
Obtaining SAS Metadata repository information: SUCCESS
```

```
Initializing the SAS Content publishing data warehouse  
Initializing the SAS Content publishing data warehouse: SUCCESS
```

```
Obtaining list of deployments to publish  
EEC166  
Obtaining list of deployments to publish: SUCCESS
```

```
Obtaining list of SAS data sets to publish across all deployments  
all_objects.sas7bdat  
deploymentinfo.sas7bdat  
licenseinfo.sas7bdat  
Obtaining list of SAS data sets to publish across all deployments: SUCCESS
```

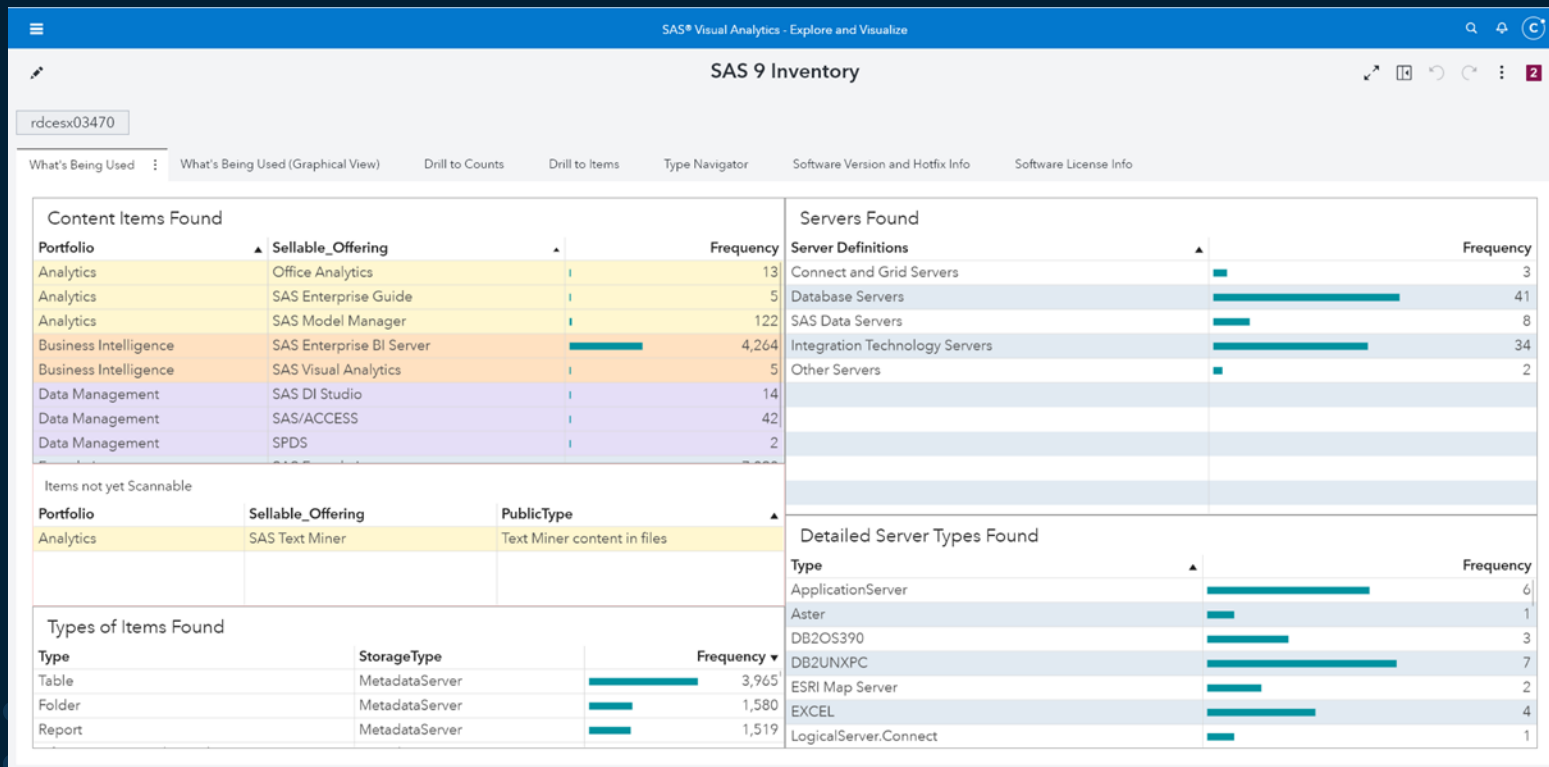
```
Generating the code to merge the data marts  
Generating the code to merge the data marts: SUCCESS
```

```
Merging data marts  
Merging data marts: SUCCESS
```

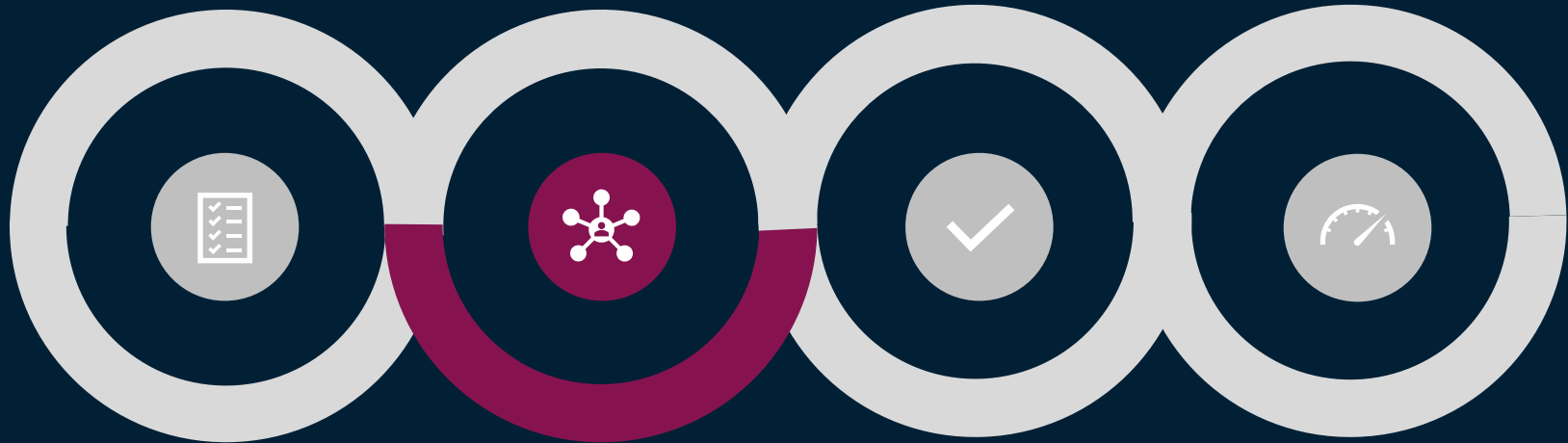
```
Publishing SAS V9 types
```




SAS 9 Content Assessment: Inventory



The SAS 9 Profile deep-dives into the SAS 9 system, reporting detailed characteristics for each item.



SAS 9 Inventory

SAS 9 Profile

SAS 9 Code Check

SAS 9 System Evaluation



What does SAS 9 Profile scan?

Scans the details of attributes – including levels, hierarchies, engine types

Content produced by SAS products in the SAS Metadata Server

- SAS libraries and tables
- SAS stored processes, SAS prompts, and SAS prompt groups
- SAS Data Integration jobs, transformations, and generated transforms
- SAS information maps and SAS OLAP cubes
- SAS Web Report Studio and SAS Visual Analytics reports

Content produced by SAS products on the SAS Content Server

Various other SAS artifacts

This application can be run as needed on multiple SAS deployments.

It creates a data mart for each SAS deployment that is inventoried.



- 1 scan the SAS 9 environment
- 2 publish results*
- 3 import into SAS Visual Analytics*
DataMart (SAS7BDAT data sets) & VA json templates
- 4 visualize results
- 5 share results with SAS
feedback influences migration conversion priorities

*SAS 9 Inventory, SAS 9 Profile, and SAS 9 Code Check for Viya



SAS 9 Profile

Run the Profile Scan from the Command Line

```
D:\SAS9ContentAssessment\V1.2>profileContent
Beginning the SAS Content Profiling process: [08May20:11:52:34]

Validating the environment.
Validating the environment: SUCCESS

Initializing profiling directories.
Initializing profiling directories: SUCCESS

Validating the SAS license
Validating the SAS license: SUCCESS

Validating the specified Java
Validating the specified Java: SUCCESS

Obtaining SAS Metadata repository information.
Obtaining SAS Metadata repository information: SUCCESS

Determining product artifacts to profile.
  Building profiling data for SAS Libraries and Tables.
  Building profiling data for SAS Prompts.
  Building profiling data for SAS Relationships.
  Building profiling data for SAS Stored Processes.
  Building profiling data for BI Reports.
  Building profiling data for DI Generated Transforms.
  Building profiling data for DI Jobs and Transformations.
  Building profiling data for Enterprise Miner projects.
  Building profiling data for SAS Information Maps.
  Building profiling data for OLAP Cubes.
  Building profiling data for VA Artifacts.
  Building profiling data for VDB Queries.
  Number of products to be profiled: 12
Determining product artifacts to profile: SUCCESS

Initializing the SAS 9 Content Assessment Framework.
Initializing the SAS 9 Content Assessment Framework: SUCCESS

Validating the SAS 9 Content Assessment Framework.
.....■
```



SAS 9 Profile

Run publishAssessedContent from the Command Line

```
D:\SAS9ContentAssessment\sas9ContentAssessment\02Apr2020\V1.2>publishAssessedContent --datamart-type profile
Beginning the SAS Assessed Content Publishing process: [22May20:19:35:05]

Validating the environment.
Validating the environment: SUCCESS

Validating the SAS license
Validating the SAS license: SUCCESS

Obtaining SAS Metadata repository information.
Obtaining SAS Metadata repository information: SUCCESS

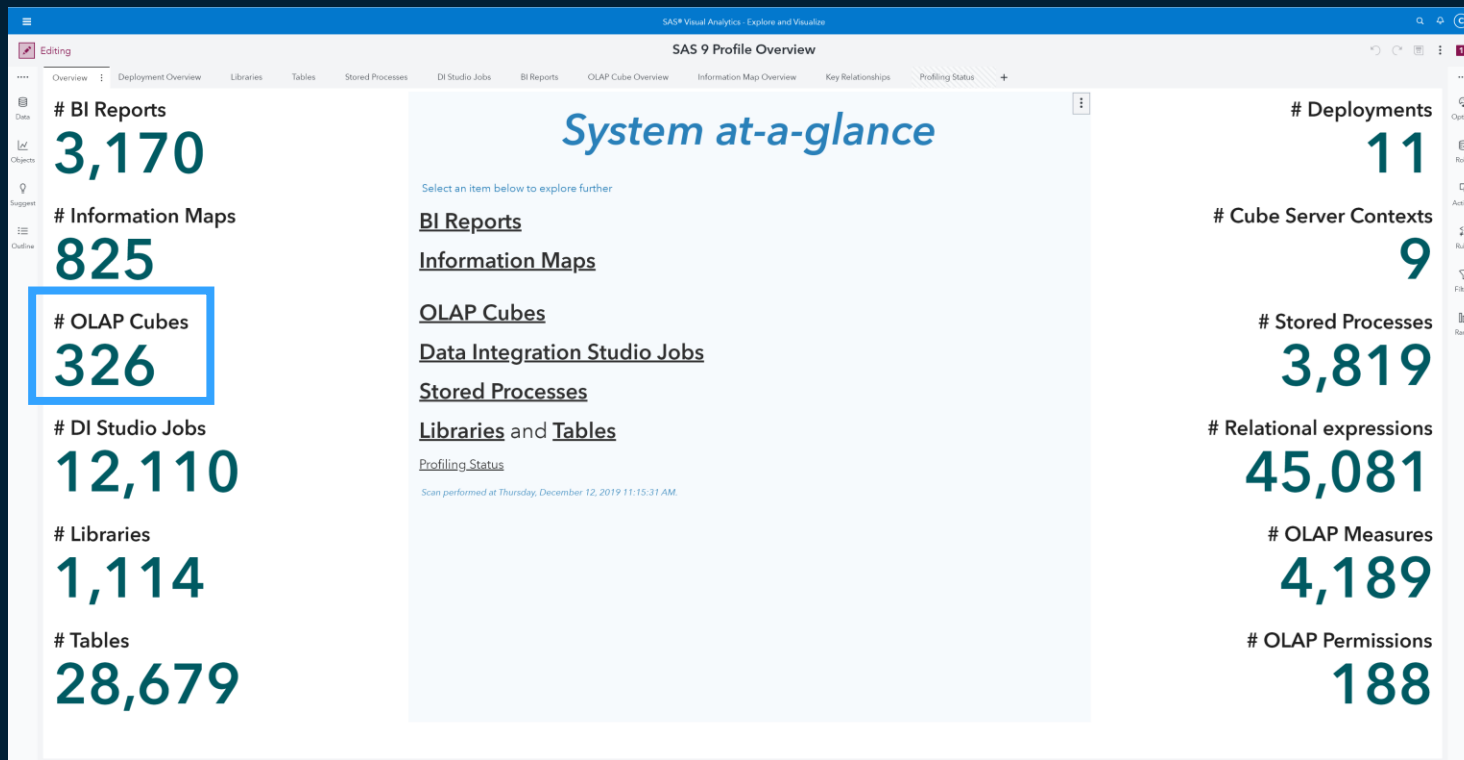
Initializing the SAS Content publishing data warehouse
Initializing the SAS Content publishing data warehouse: SUCCESS

Obtaining list of deployments to publish
EEC166
Obtaining list of deployments to publish: SUCCESS

Obtaining list of SAS data sets to publish across all deployments
all_libraries.sas7bdat
all_relationships.sas7bdat
all_tables.sas7bdat
cubes.sas7bdat
cubes_expressions.sas7bdat
cubes_hierarchy.sas7bdat
dim_actionsets.sas7bdat
dim_generated_transforms.sas7bdat
dim_jobs.sas7bdat
dim_transform_library.sas7bdat
dim_transformations.sas7bdat
em_componentoverall.sas7bdat
em_datetime.sas7bdat
em_idsdecision.sas7bdat
em_idsnode.sas7bdat
em_projectsuccessor.sas7bdat
em_projectuserid.sas7bdat
em_propertiesoverall.sas7bdat
em_startendoverall.sas7bdat
infomaps.sas7bdat
```

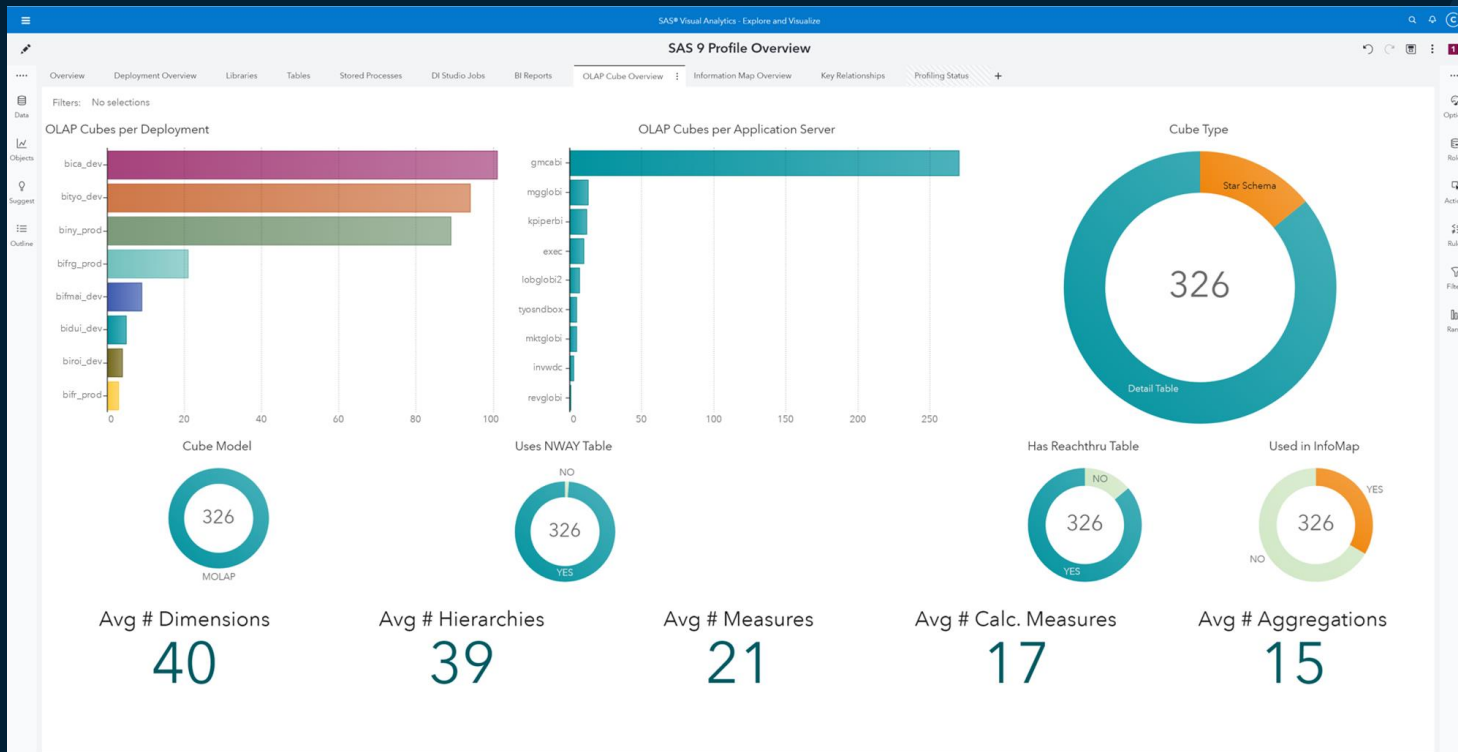


How many objects exist on my system?



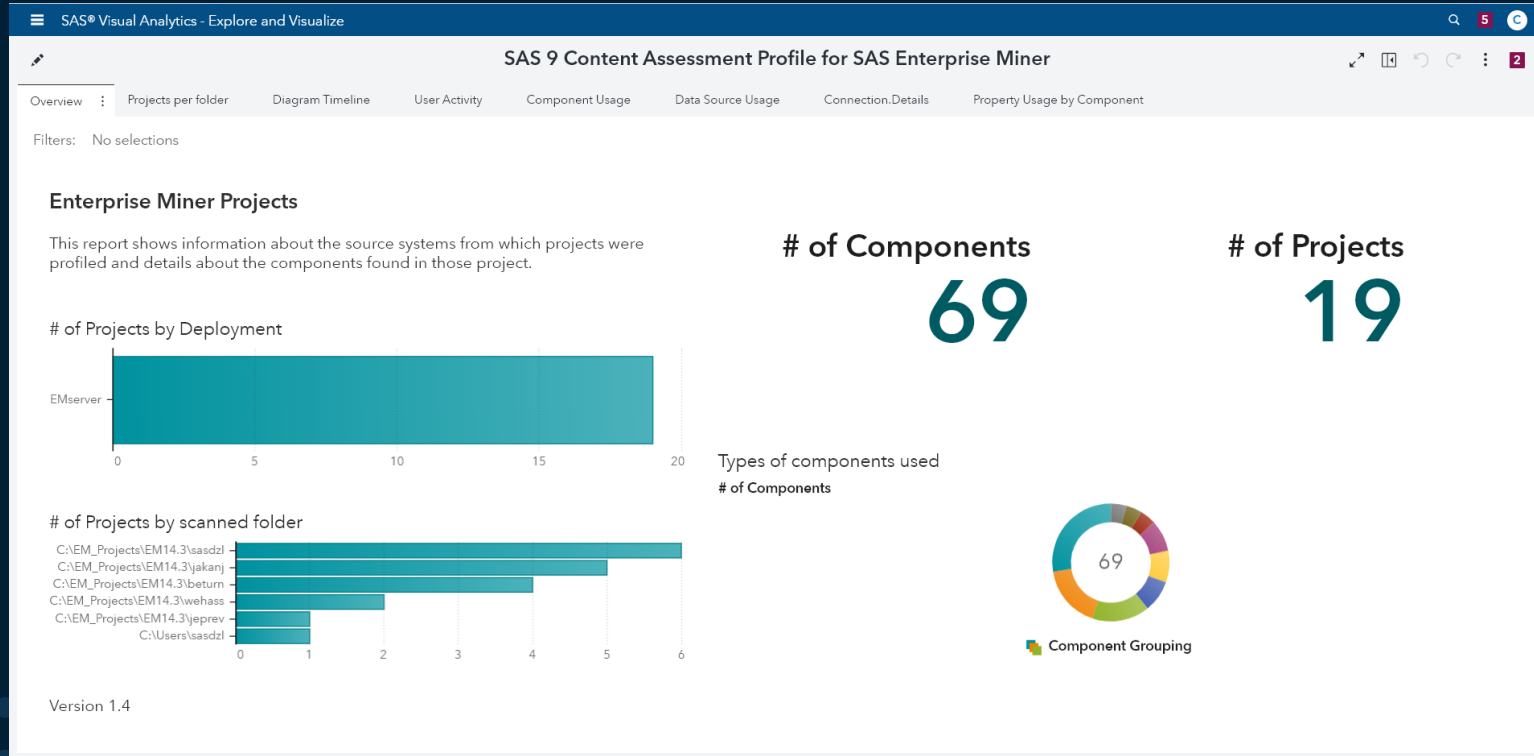


What criteria was used to build cubes?



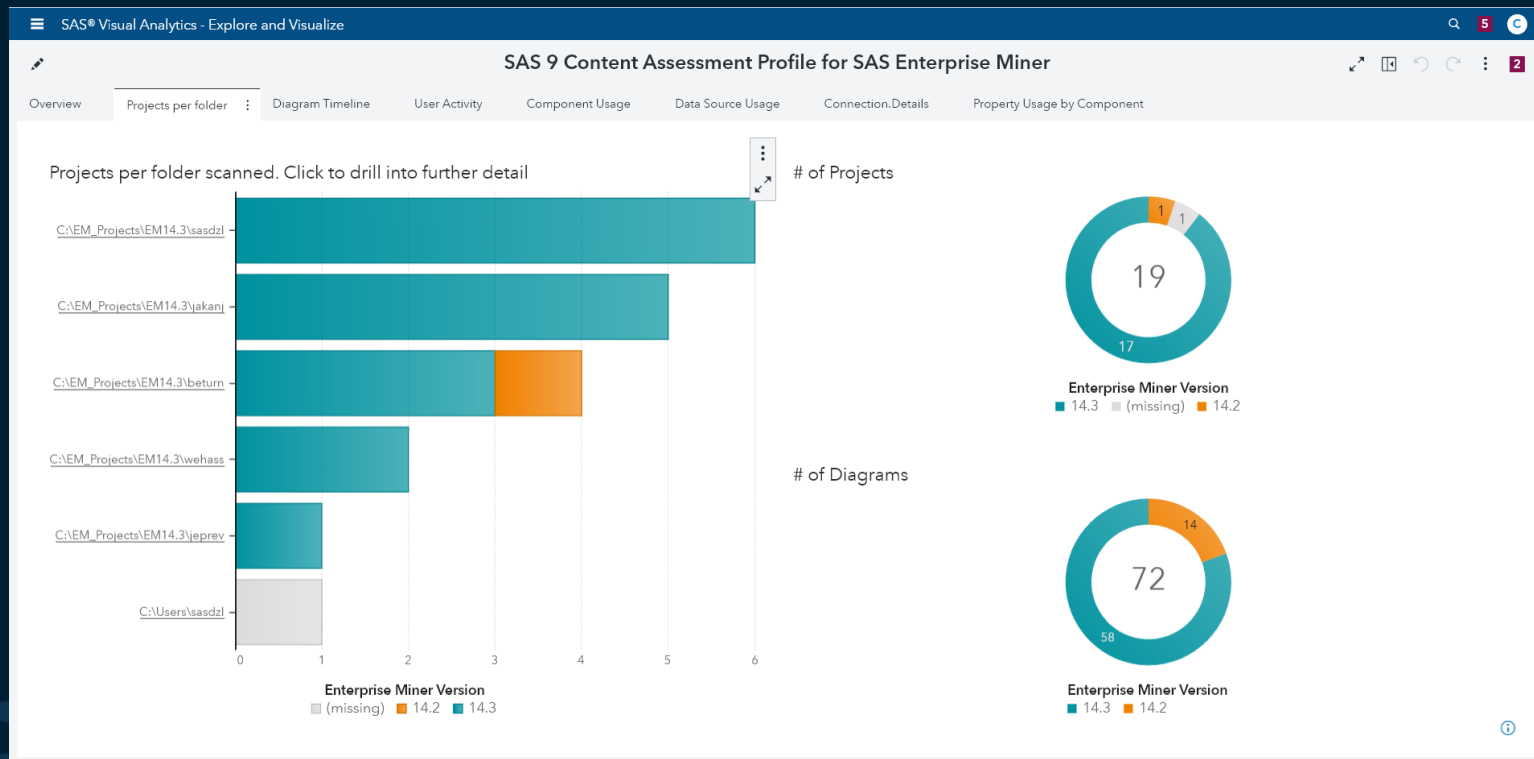


What did SAS 9 Profile find about my Enterprise Miner projects?

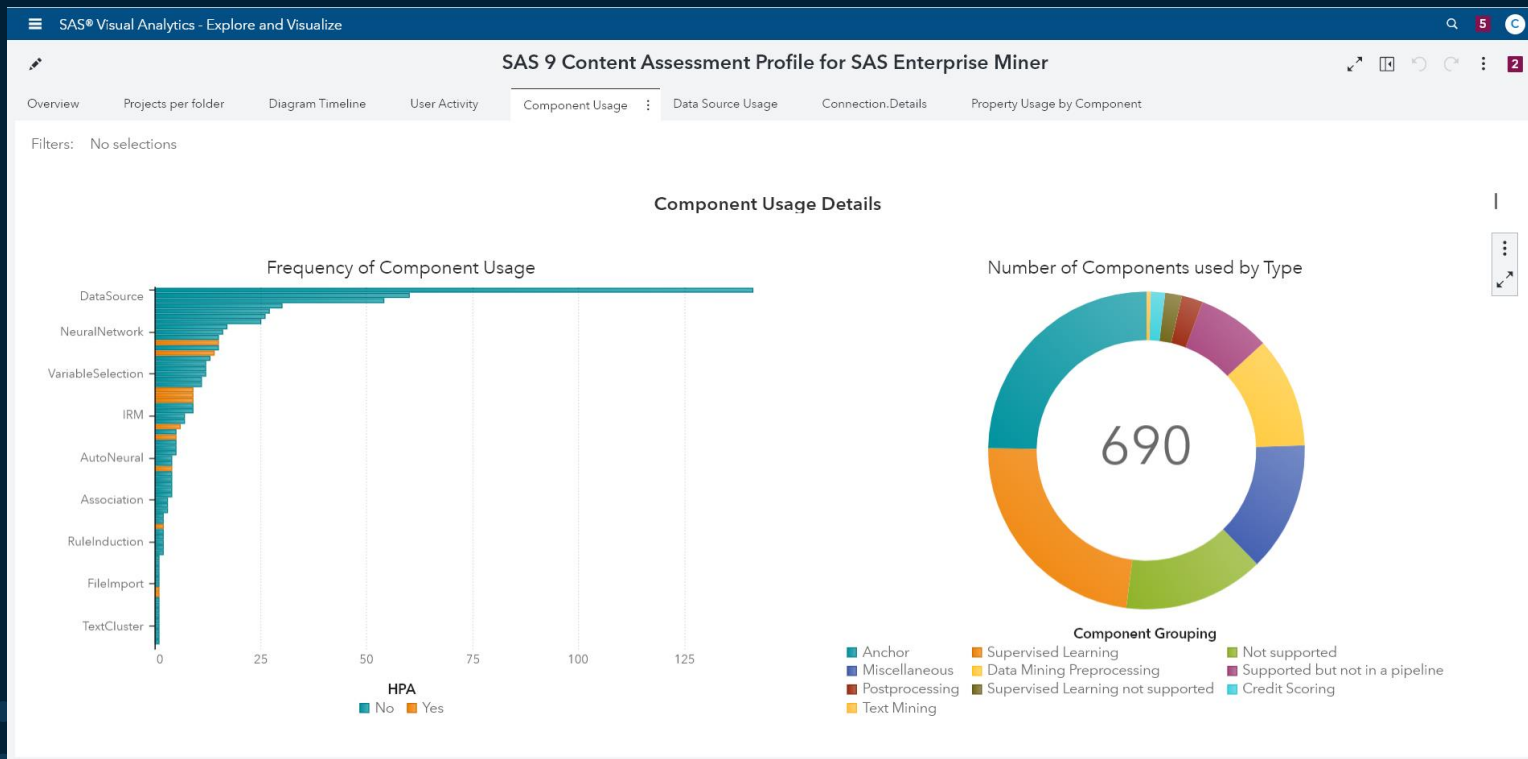




How many projects are in each folder?

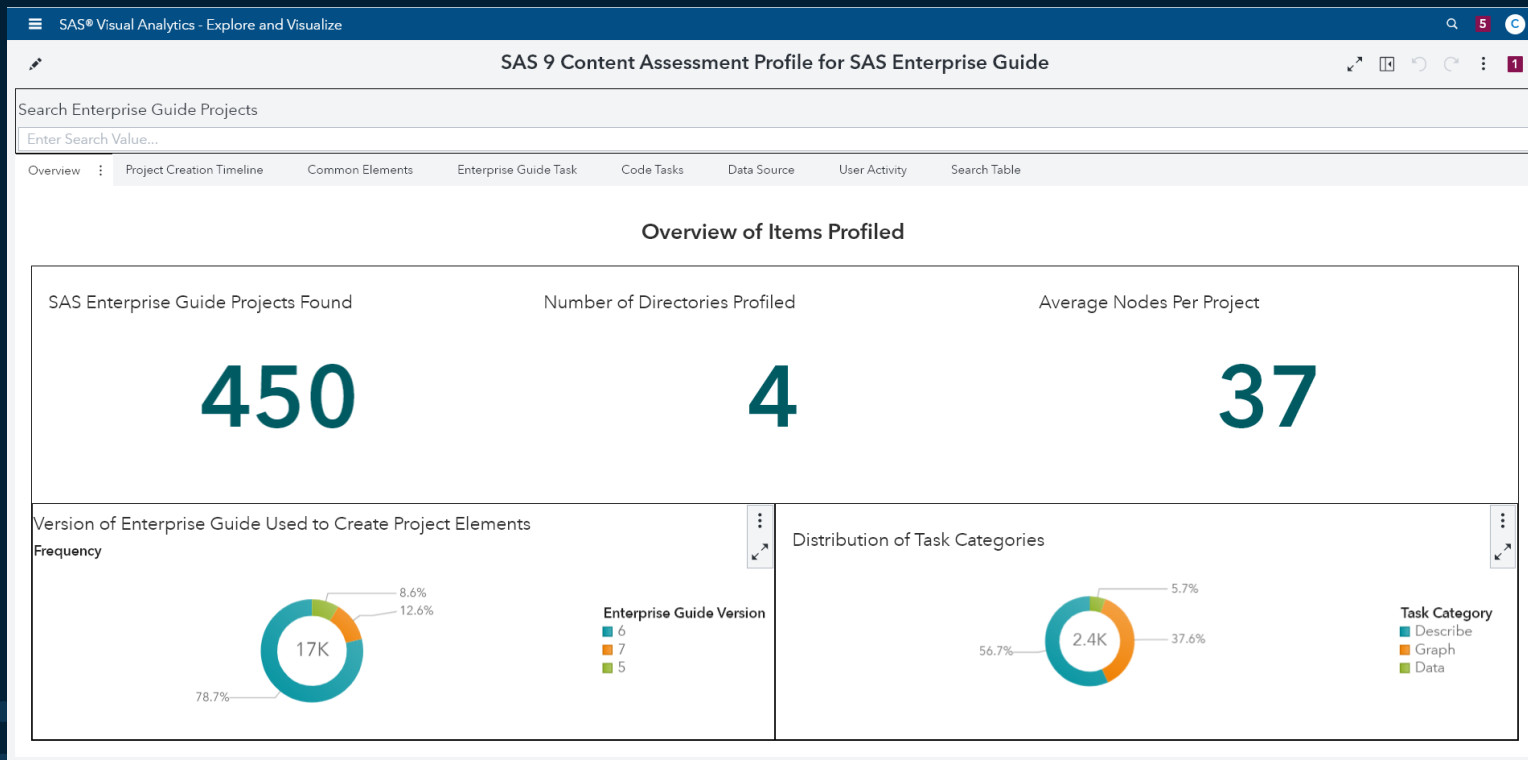


How many times were Enterprise Miner components used?



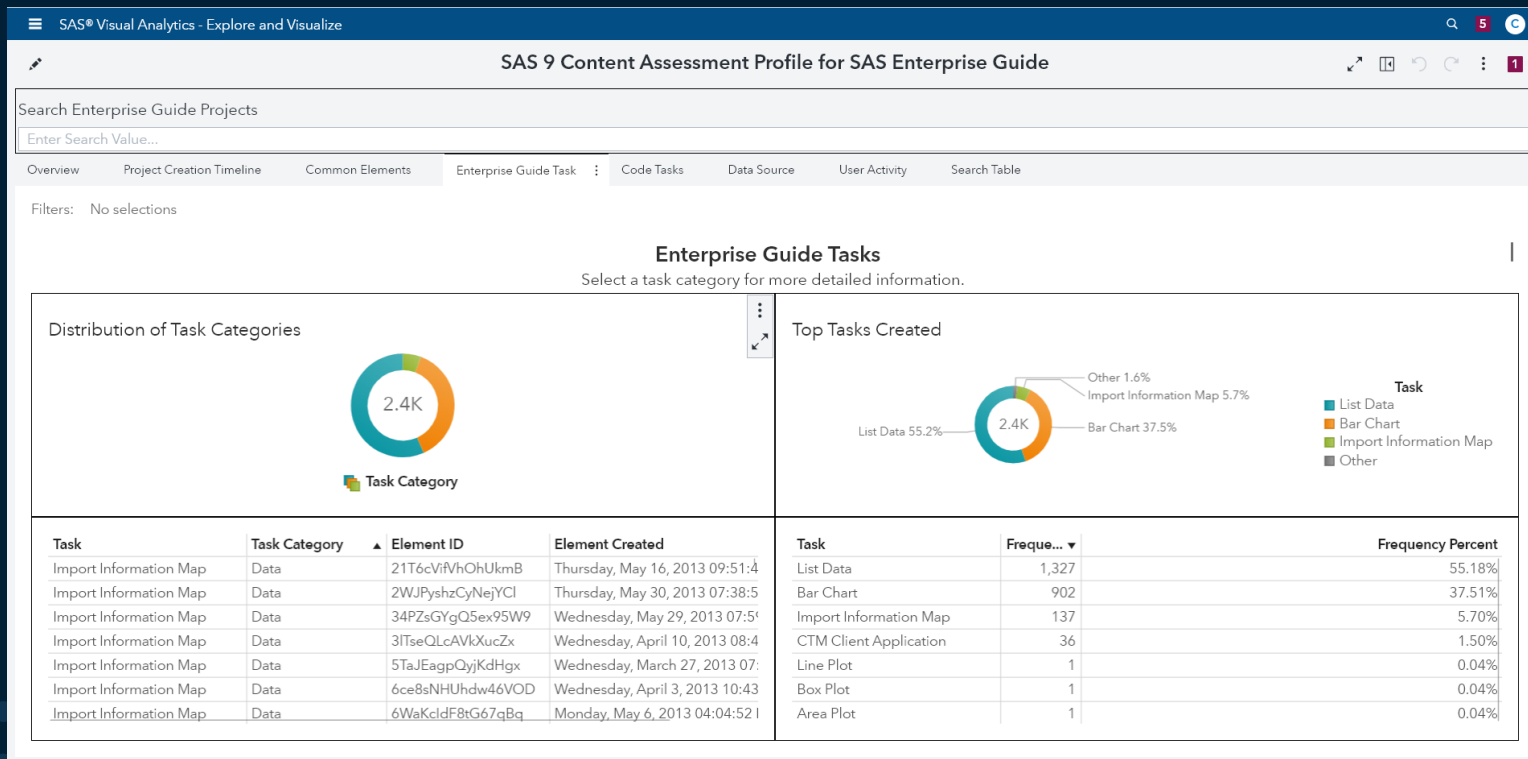


Which Enterprise Guide items are profiled?





Which Enterprise Guide tasks are used most?





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

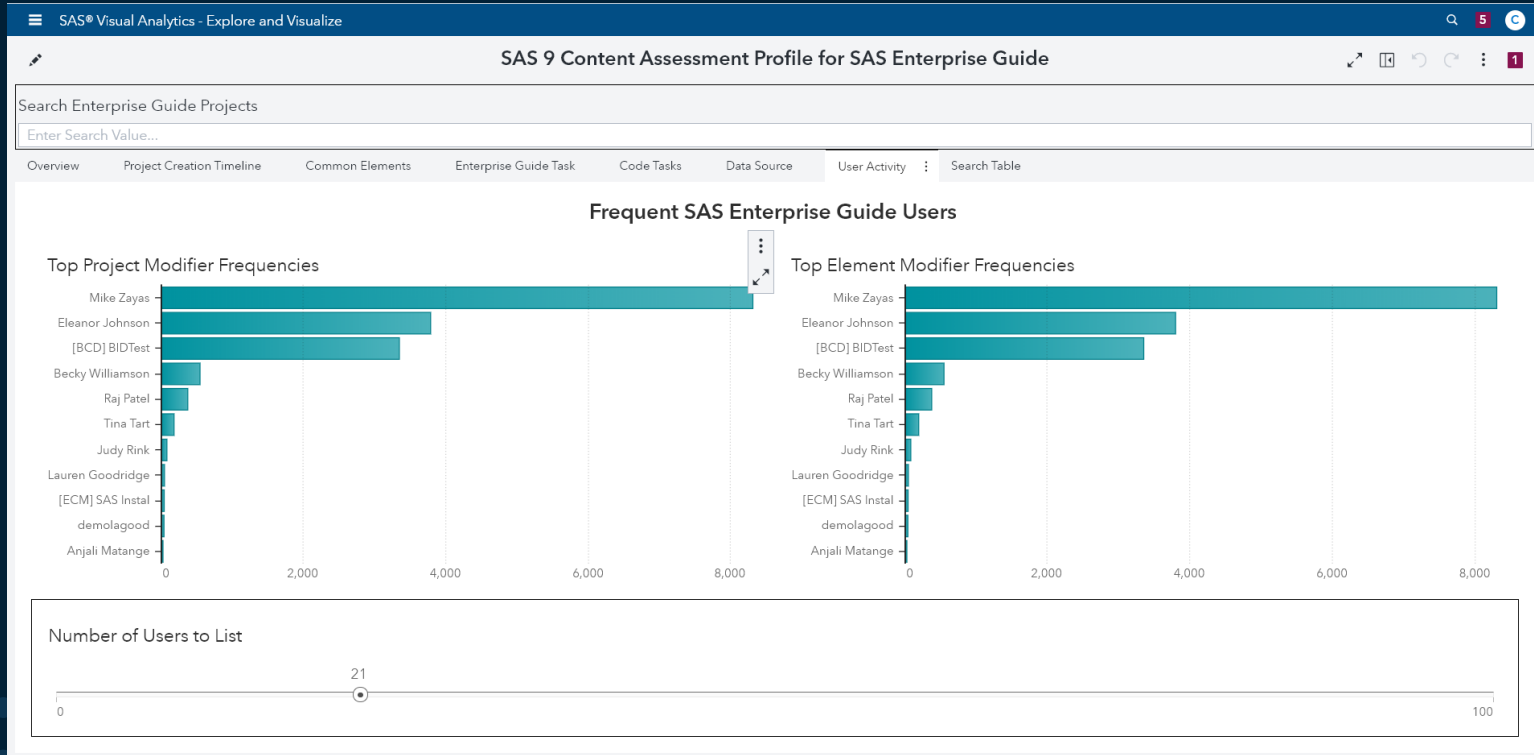
17K

Enterprise Guide Version	Count
6	~14K
7	~2K
5	~1K

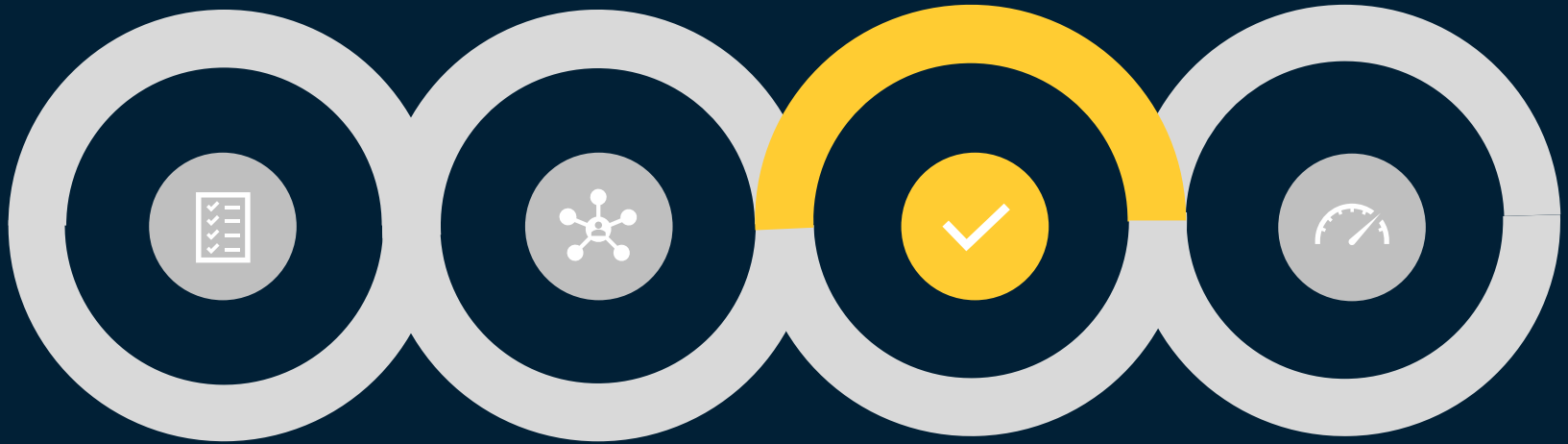
Project Creation Date

Project Creation Date	Count
2012-01-01	~30
2012-06-01	~35
2013-01-01	~65
2013-06-01	~45
2014-01-01	~48
2014-06-01	~50
2015-01-01	~52
2015-06-01	~55
2016-01-01	~50

Which users edit Enterprise Guide projects and elements most?



The SAS 9 Code Check for Viya examines the SAS 9 system to know if code will migrate to SAS SPRE.



SAS 9 Inventory

SAS 9 Profile

SAS 9 Code Check

SAS 9 System Evaluation

What does SAS 9 Code Check for Viya scan?



This application examines any SAS programs with the extension “.sas” in the specified directory and all subdirectories

- Determines compatibility with the compute server for SAS Viya (SPRE)

Reports any issues that it encounters

- SAS program elements that are not supported in compute server for SAS Viya
- Hardcoded pathnames that might not be accessible by SAS Viya
- Application can be run as needed on multiple machines
- Creates one data mart for all SAS programs that it checks

Requires SAS 9.4M5 or higher – Download latest version



- 1 scan the SAS 9 environment
- 2 publish results*
- 3 import into SAS Visual Analytics*
DataMart (SAS7BDAT data sets) & VA json templates
- 4 visualize results
- 5 share results with SAS
feedback influences migration conversion priorities

*SAS 9 Inventory, SAS 9 Profile, and SAS 9 Code Check for Viya

SAS 9 Content Assessment - Code Check



Run codeCheck from the Command Line

```
D:\SAS9ContentAssessment\V1.2>codeCheck --scan-tag EEC166 --source-location D:\opt\sasinside\SASHome\SASFoundation\9.4\core\sample
Beginning the SAS 9 Code Check process: [08May20:12:03:02]
```

```
Validating the environment.
Validating the environment: SUCCESS
```

```
Initializing code check directories.
Initializing code check directories: SUCCESS
```

```
Validating the SAS license
Validating the SAS license: SUCCESS
```

```
Running SAS 9 Code Check.
Moving SAS 9 Code Check elements data set: SUCCESS
Moving SAS 9 Code Check issues data set: SUCCESS
```

```
Logging information for this code check execution can be found here: D:\SAS9ContentAssessment\V1.2\logs\codecheck\EEC166\eec166\codeCheck-2020-05-08-12.03.02.log
```

```
SAS 9 Code Check is complete: [08May20:13:37:55]
```

```
The SAS data sets created under D:\SAS9ContentAssessment\V1.2\datamart\codecheck\EEC166 need to be published using publishAssessedContent.exe before importing them in SAS Viya.
```

```
D:\SAS9ContentAssessment\V1.2>
```

SAS 9 Content Assessment - Code Check



Run publishAssessedContent from the Command Line

```
D:\SAS9ContentAssessment\sas9ContentAssessment\02Apr2020\V1.2\CodeCheck>publishAssessedContent --datamart-type codecheck
Beginning the SAS Assessed Content Publishing process: [22May20:19:33:51]

Validating the environment.
Validating the environment: SUCCESS

Validating the SAS license
Validating the SAS license: SUCCESS

Initializing the SAS Content publishing data warehouse
Initializing the SAS Content publishing data warehouse: SUCCESS

Obtaining list of directories to publish
EEC166
Obtaining list of directories to publish: SUCCESS

Generating the code to merge the data marts

Obtaining list of SAS data sets to publish from D:\SAS9ContentAssessment\sas9ContentAssessment\02Apr2020\V1.2\CodeCheck\datamart\codecheck\EEC166
eec166_elements.sas7bdat
eec166_issues.sas7bdat
Obtaining list of SAS data sets to publish from D:\SAS9ContentAssessment\sas9ContentAssessment\02Apr2020\V1.2\CodeCheck\datamart\codecheck\EEC166: SUCCESS
Generating the code to merge the data marts: SUCCESS

Merging data marts
Merging data marts: SUCCESS

Publishing SAS 9 Code Check keywords
Publishing SAS 9 Code Check keywords: SUCCESS

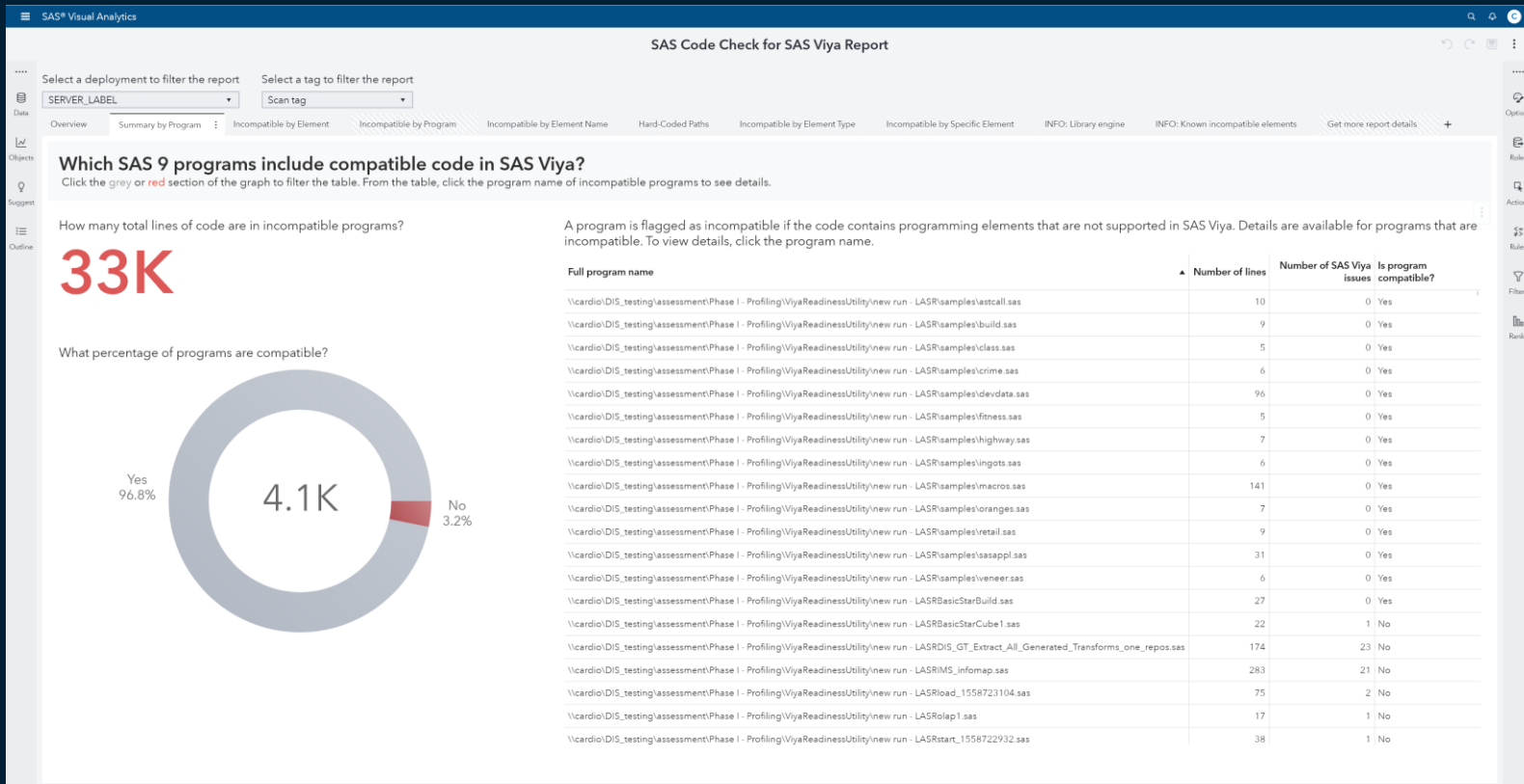
Content successfully published to D:\SAS9ContentAssessment\sas9ContentAssessment\02Apr2020\V1.2\CodeCheck\datamart\codecheck.

SAS Content Publishing process complete: [22May20:19:33:54]

Logging information for this publishing execution can be found here: D:\SAS9ContentAssessment\sas9ContentAssessment\02Apr2020\V1.2\CodeCheck\logs\codecheck\publishAssessed
Content-2020-05-22-19.33.51.log

D:\SAS9ContentAssessment\sas9ContentAssessment\02Apr2020\V1.2\CodeCheck>
```

SAS 9 Content Assessment - Code Check





SAS 9 Content Assessment - Code Check

SAS Visual Analytics - Explore and Visualize

SAS 9 Code Check for SAS Viya Report

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

[Incompatible by Element](#) [Incompatible by Element Name](#) [Hard-Coded Paths](#) [Incompatible by Element Type](#) [Incompatible by Specific Element](#) [INFO: Library engine](#) [INFO: Known incompatible elements](#)

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

Click a red bar in the graph to filter the table. From the table, view the program name, statement, and source code statement.

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

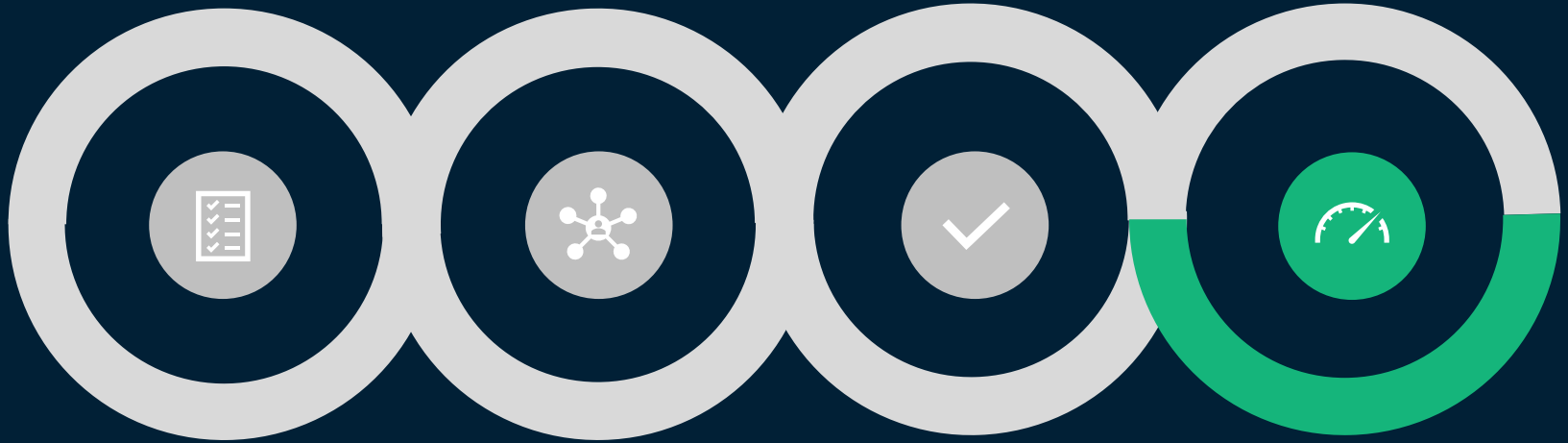
Enter the number of elements that have hard-coded paths with potential incompatible code to display in the graph:

Element	Count
LIBNAME	480
FILENAME	340
%INCLUDE	100
SASEFAME	40
SASECRSP	35
PCFILES	30
INFILE	25
SASSPDS	20
SASEFRED	15
V9	10

Full program name	Statement	Source code
\\cardio\DIS_testing\assessment\Phase I - Profiling\ViyaReadinessUtility\new run - L...	2	LIBNAME olaj
\\cardio\DIS_testing\assessment\Phase I - Profiling\ViyaReadinessUtility\new run - L...	6	%include "&b
\\cardio\DIS_testing\assessment\Phase I - Profiling\ViyaReadinessUtility\new run - L...	7	%include "&b
\\cardio\DIS_testing\assessment\Phase I - Profiling\ViyaReadinessUtility\new run - L...	12	filename requ
\\cardio\DIS_testing\assessment\Phase I - Profiling\ViyaReadinessUtility\new run - L...	13	filename resul
\\cardio\DIS_testing\assessment\Phase I - Profiling\ViyaReadinessUtility\new run - L...	14	filename blob
\\cardio\DIS_testing\assessment\Phase I - Profiling\ViyaReadinessUtility\new run - L...	15	filename imxn
\\cardio\DIS_testing\assessment\Phase I - Profiling\ViyaReadinessUtility\new run - L...	17	%include "&b
\\cardio\DIS_testing\assessment\Phase I - Profiling\ViyaReadinessUtility\new run - L...	18	%include "&b
\\cardio\DIS_testing\assessment\Phase I - Profiling\ViyaReadinessUtility\new run - L...	19	%include "&b
\\cardio\DIS_testing\assessment\Phase I - Profiling\ViyaReadinessUtility\new run - L...	56	LIBNAME Smi
\\cardio\DIS_testing\assessment\Phase I - Profiling\ViyaReadinessUtility\new run - L...	12	infile 'gdevice
\\cardio\DIS_testing\assessment\Phase I - Profiling\ViyaReadinessUtility\new run - L...	32	LIBNAME dpc
\\cardio\DIS_testing\assessment\Phase I - Profiling\ViyaReadinessUtility\new run - L...	38	LIBNAME VAF



The SAS 9 System Evaluation analyzes SAS 9.4 system and configuration details to identify known deployment issues



SAS 9 Inventory

SAS 9 Profile

SAS 9 Code Check

SAS 9 System Evaluation



What does SAS 9 System Evaluation scan?

System Evaluation

- This application examines a SAS configuration directory and its corresponding content in a SAS Metadata Server for possible issues that could adversely affect upgrading from one release of SAS 9.4 to another.
- This includes upgrading a SAS solution version to a later version or performing an entire SAS 9.4 upgrade. It reports issues found in various SAS artifacts, such as:
 - Metadata objects and definitions in the Foundation repository only
 - Critical configuration files
 - Critical installation files



- 1 scan the SAS 9 environment
- 2 visualize results
- 3 share results with SAS if there are issues
may be remediated with Technical Support Deployment Specialists.



SAS 9 System Evaluation

Run the System Evaluation Scan from the Command Line

```
D:\SAS9ContentAssessment\sas9ContentAssessment\12May2020>systemEvaluation --config-dir D:\opt\sasinside\Config\Lev1
Beginning the SAS System Evaluation process: [26May20:16:56:29]

Validating the environment.
Validating the environment: SUCCESS

Initializing evaluation directories.
Initializing evaluation directories: SUCCESS

Validating the SAS license.
Validating the SAS license: SUCCESS

Validating the specified Java's usage with SAS Foundation.
Validating the specified Java's usage with SAS Foundation: SUCCESS

Obtaining SAS Metadata repository information.
Obtaining SAS Metadata repository information: SUCCESS

Initializing the SAS 9 Content Assessment Framework.
Initializing the SAS 9 Content Assessment Framework: SUCCESS

Validating the SAS 9 Content Assessment Framework.
.....█
```



Evaluate the current system to identify known issues.



System Evaluation Report

rdcesx03470

Total Issues:

6

System Details:

Operating System: Linux
CPU(s): 2
Thread(s) per core: 1
Core(s) per socket: 1
CPU Socket(s): 2
NUMA Node(s): 1

Kernel Name: Linux
Kernel Release: 2.6.32-131.0.15.el6.x86_64
Kernel Version: #1 SMP Tue May 10 15:4...
System Locale: en_US.UTF-8
Total System Memory: 32884692 kB
Available System Memory: 3579156 kB

System Evaluation Summary

Task	Status	Comments	Message
Evaluating SAS web applications	✔ Success	Unable to locate SAS web application details in SAS metadata.	
Archiving results directory	✘ Issues Found		Unable to archive one or more files.
Validating all SAS software orders	✘ Issues Found	The cd.id file for this SAS deployment could not be processed. Please check that it exist and is valid. It can be found in <SASHOME>/SASDeploymentManager/9.4.	
Processing configuration.properties	✘ Issues Found	The configuration.properties file for the specified configuration directory does not exist or is not accessible.	
Validating settings for the configuration directory	✘ Issues Found	Unable to verify host names in the specified configuration directory.	





Know what products are installed



Metadata

Metadata Topology:

rdcesx03470.race.sas.com (Compute, Metadata, Middle Tier - Primary on lax)

- ✓ SASApp
- ✓ SASMeta - Logical Metadata Server
- ✓ Decision Manager Com Data Svr Cfg 3.3
- ✓ Web Infrastructure Platform Data Server 9.4
- ✓ Object Spawner - rdcesx03470
- ✓ Operating System Services - rdcesx02005
- ✓ SASApp - Logical SAS DATA Step Batch Server
- ✓ SASApp - Logical OLAP Server
- ✓ SASApp - Logical Pooled Workspace Server
- ✓ SASApp - Logical Stored Process Server
- ✓ SASApp - Logical Workspace Server
- ✓ Connect Spawner - rdcesx03470
- ✓ Management Console 9.4
- ✓ Visual Analytics Cfg Data 7.5
- ✓ BI Lineage Sched Svr 4.4
- ✓ Web Infra Platf Sched Svcs 9.4
- ✓ BI Report Services 4.4
- ✓ BI Dashboard Config Data 4.3
- ✓ EnvMgr Enablement Kit 2.4
- ✓ DP-WebServer rdcesx03470.race.sas.com
- ✓ DP-SAS Web Application Server rdcesx03470.race.sas.com
- ✓ Foundation Services 9.4
- ✓ Web Infrastructure Platform 9.4
- ✓ Flex Application Themes
- ✓ Visual Analytics Services 7.5
- ✓ Web Report Studio 4.4
- ✓ Visual Analytics Admin 7.5
- ✓ Information Delivery Portal 4.4
- ✓ BI Dashboard 4.4
- ✓ BI Portlets 4.4
- ✓ Decision Manager Common Mid 3.3
- ✓ SAS Studio Mid-Tier 3.8
- ✓ Web Infra Platf Ext BI Dash 4.3
- ✓ Business Rules Manager Web 3.3
- ✓ Model Manager Mid-Tier 14.3
- ✓ DP-SAS-Environment-Manager rdcesx03470.race.sas.com





Mer info



Mer info

- Content Assement demo :
<https://www.youtube.com/watch?v=-1rKLQ1mv1s>
- Content Assement Download:
<https://support.sas.com/downloads/package.htm?pid=2465>
- Environment Manager doc:
<https://go.documentation.sas.com/?cdclid=bicdc&cdcVersion=9.4&docsetId=bisag&docsetTarget=p04sfotmht7r60n188ykjolsicdw.htm&locale=en>
- Environment Manager demo:
<https://video.sas.com/detail/video/5138121960001/sas-environment-manager---sas-system-availability:-a-30-000-ft.-view>



Frågor?

sas.com

