

# SAS Club

25 years of SAS<sup>®</sup> Enterprise Guide<sup>®</sup>  
The story continues on SAS<sup>®</sup> Viya<sup>®</sup> 4

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# Agenda

## Topics

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### **Motivation for SAS Enterprise Guide 8.4**

Why are we providing this new integration capability and who are we targeting?

2

### **Functional Focus, Capabilities, Installation?**

Important considerations

3

### **Demo**

connect to Viya, run SAS programs, process flows, (re)load data to CAS, modify and push to GIT (SAS EG & SAS Studio)

4

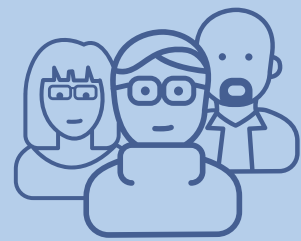
### **Resources**

5

### **Q&A**

# Motivation for SAS Enterprise Guide 8.4

Help customers migrate to SAS Viya 4 and SAS Studio



SAS Enterprise Guide is very popular with many users



Customers have numerous projects, many very elaborate with a complex migration path



SAS Enterprise Guide 8.4 is a bridge from SAS 9 to SAS Viya 4  
Leverage Viya 4 benefits while continuing to use SAS Enterprise Guide

# Functional Focus

The power of SAS Viya 4 from the comfort of SAS Enterprise Guide

## Viya 4 Compute Server

Access the powerful Viya 4 compute service from SAS Enterprise Guide including new procedures

## Compute Server Filesystem

Save SAS program to persistent storage to access them from both SAS Enterprise Guide and SAS Studio

## Hybrid Enterprise Guide projects

Project nodes can run any mix of SAS 9 and SAS Viya 4

# Capabilities not available with Viya 4 connection



## What's In

- Support for multiple SAS Viya 4 Compute Server Contexts
- Access to SAS Libraries (session based)
- Access to remote file system
- All core features:
  - Program submit
  - View tables
  - View results and logs
  - Prompts that have no metadata dependency
- Access to SAS Content (post release 8.4)

## What's Out

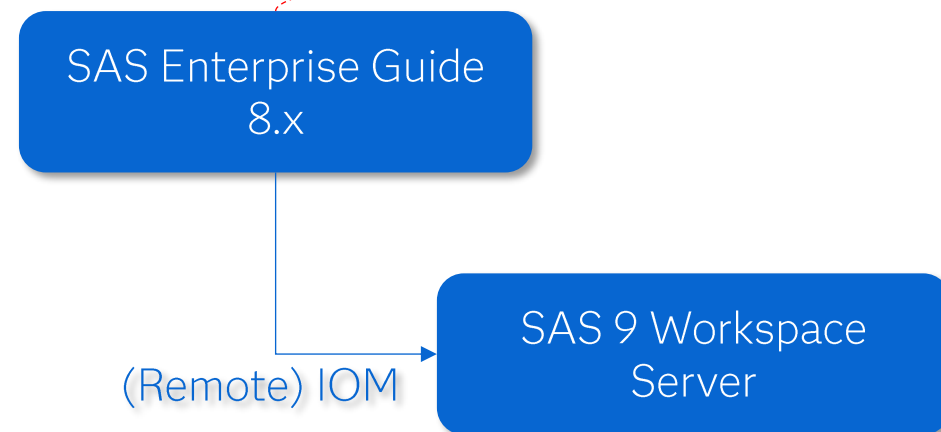
- **No new steps or tasks**
- **No metadata related features:**
  - Stored procedures
  - Info maps
  - OLAP cubes
  - Registered tables
  - Dynamic prompts
  - Prompts that provide lists of libraries/tables/columns
- **No Interactive table editing**



See this section in the EG 8.4 User's Guide:  
[Working without a Metadata Server Connection](#)

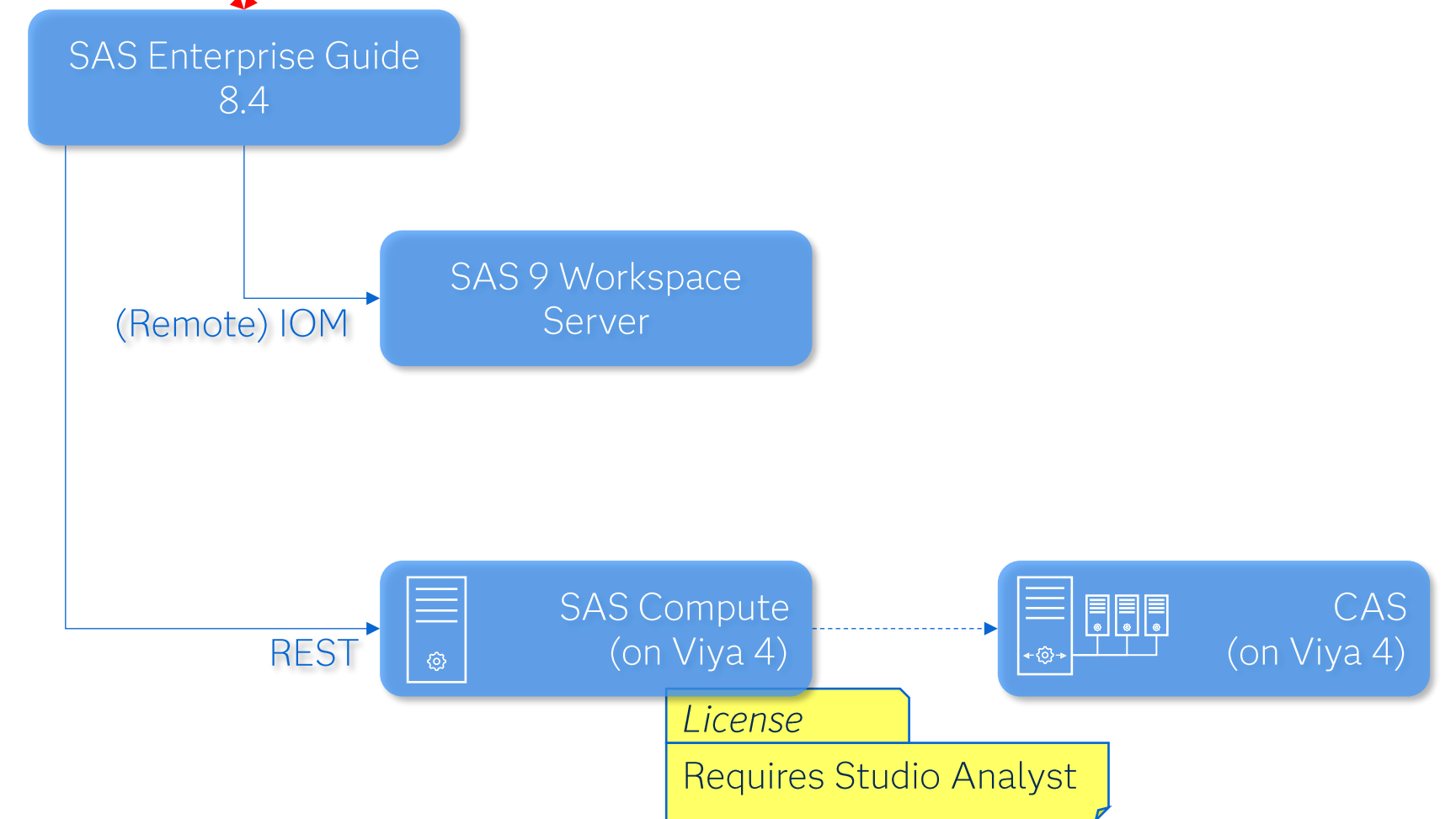
# Where can I get the software?

## SAS Enterprise Guide 8.x



## SAS Enterprise Guide 8.4

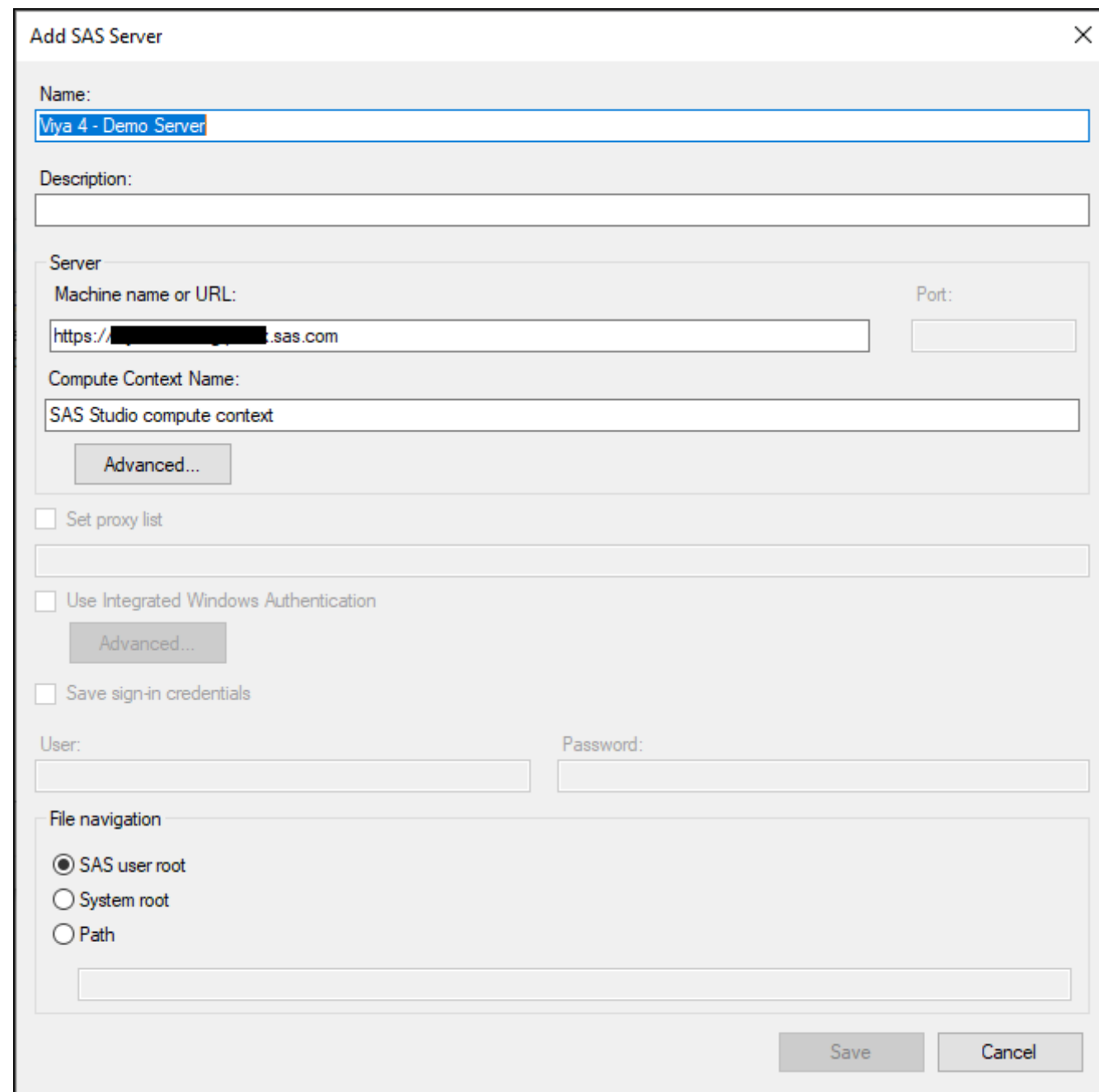
EG UI  
Check for Updates



SAS 9.4 Software Order  
(post 24W12)

# How does it work?

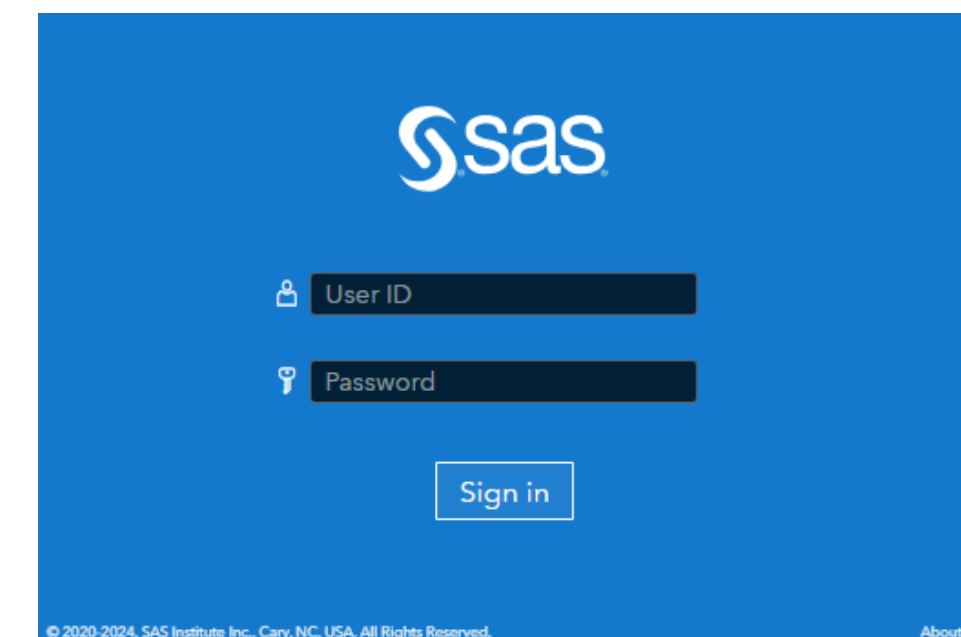
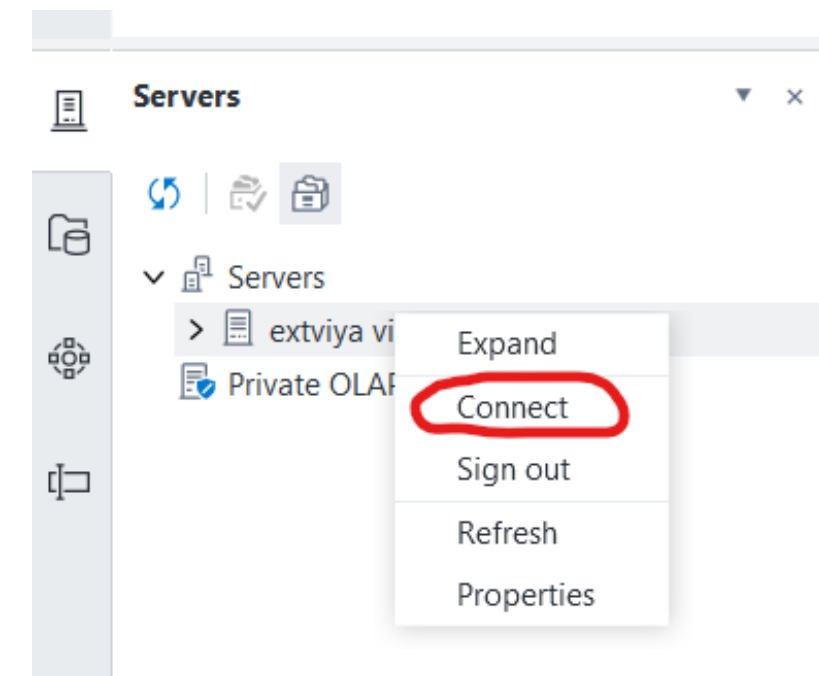
## Define server connection



The 'Add SAS Server' dialog box is shown with the following fields and options:

- Name:** Viya 4 - Demo Server
- Description:** (empty)
- Server** section:
  - Machine name or URL:** https://[redacted].sas.com
  - Port:** (empty)
  - Compute Context Name:** SAS Studio compute context
  - Advanced...** button
- ☐ Set proxy list
- ☐ Use Integrated Windows Authentication
- ☐ Save sign-in credentials
- User:** (empty)
- Password:** (empty)
- File navigation** section:
  - ☒ SAS user root
  - ☐ System root
  - ☐ Path
  - (empty text input)
- Save** and **Cancel** buttons at the bottom.

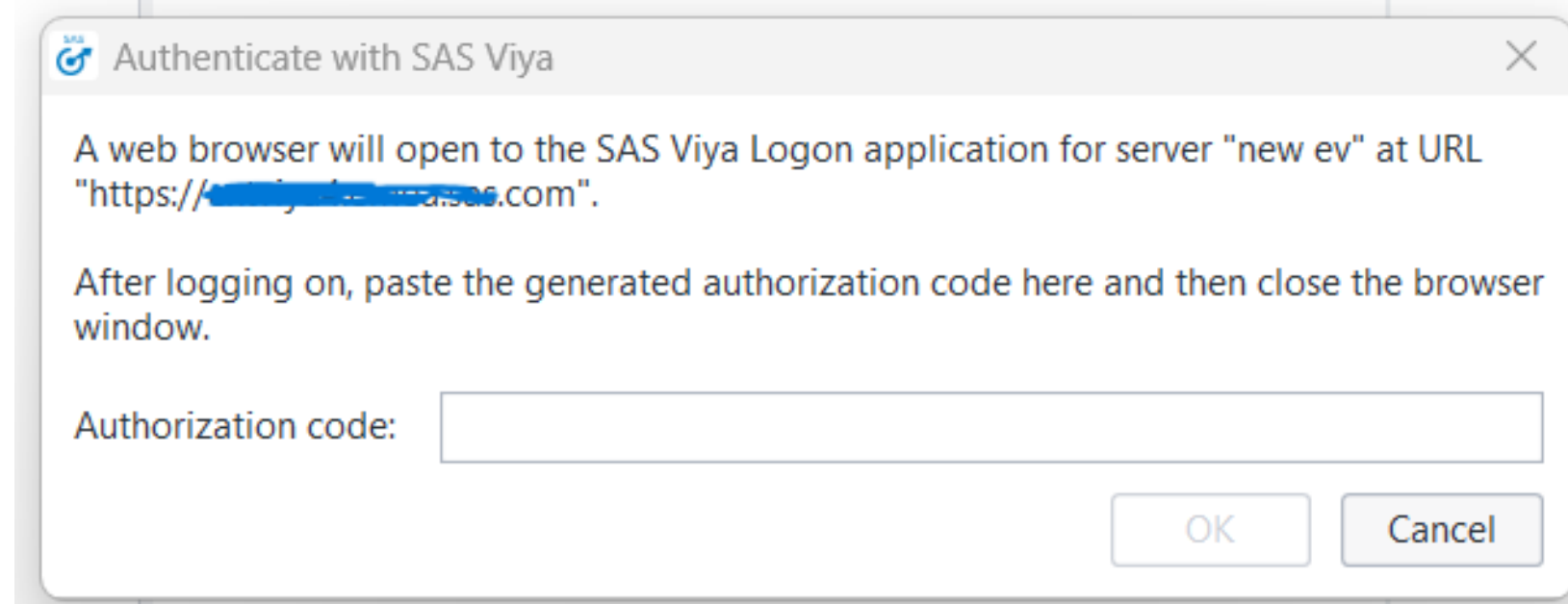
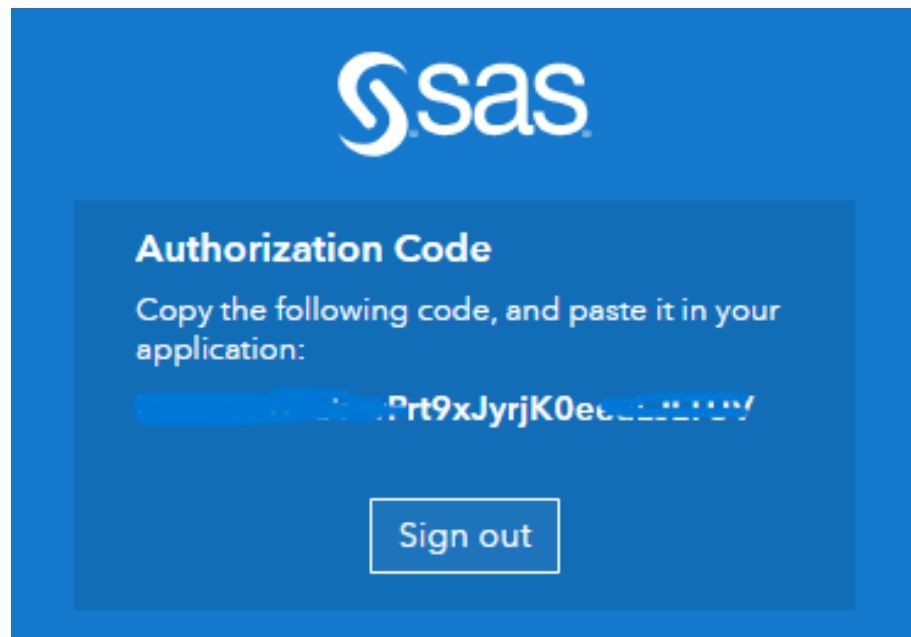
## Connect & Logon



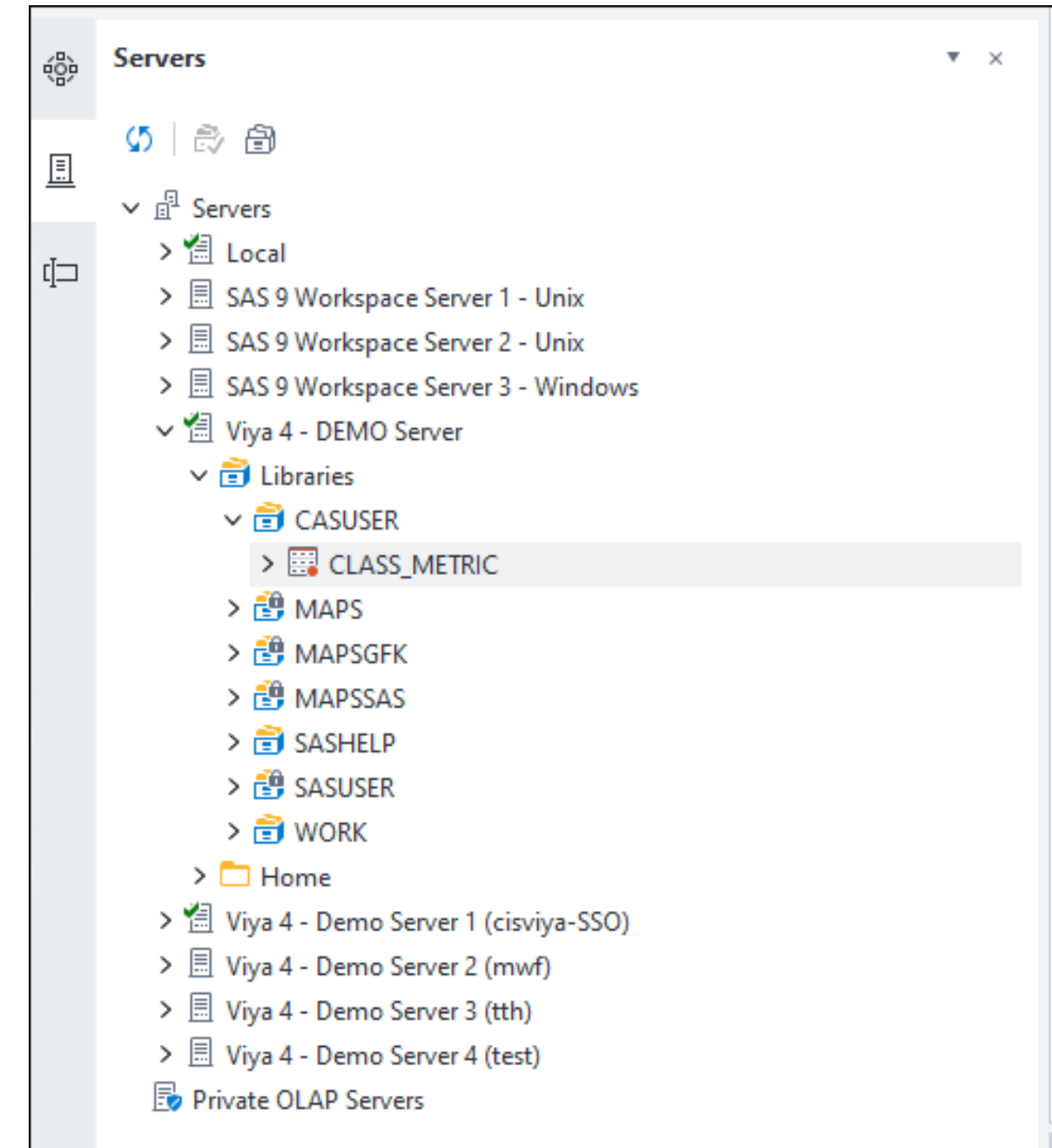
The SAS login page features the SAS logo at the top. Below it are two input fields: 'User ID' and 'Password'. A 'Sign in' button is located below the password field. At the bottom, there is a copyright notice: '© 2020-2024, SAS Institute Inc., Cary, NC, USA. All Rights Reserved.' and a link to 'About'.

# How does it work?

## Authorization Code

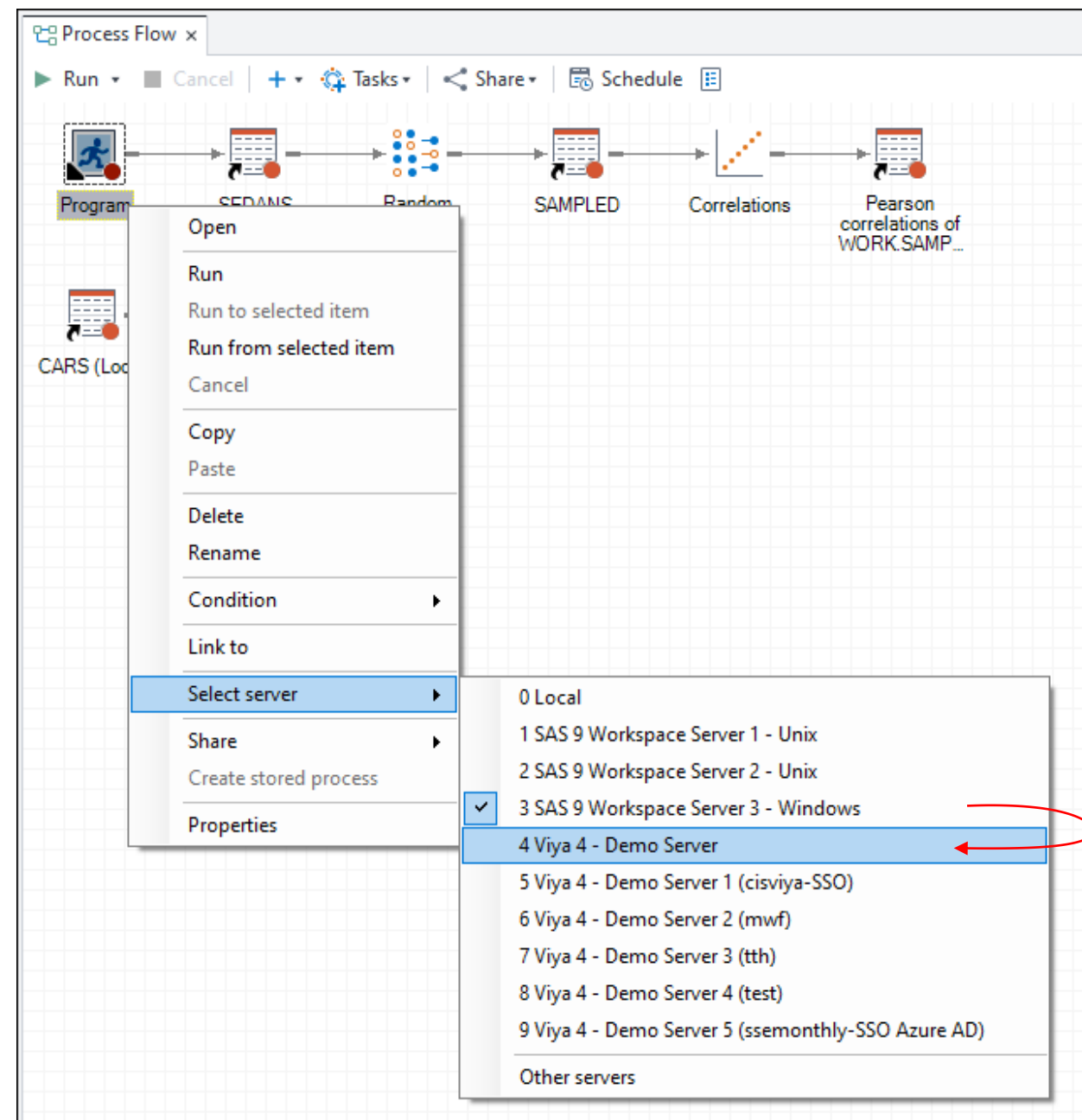


## Navigate server



# How does it work?

## Update server association on node



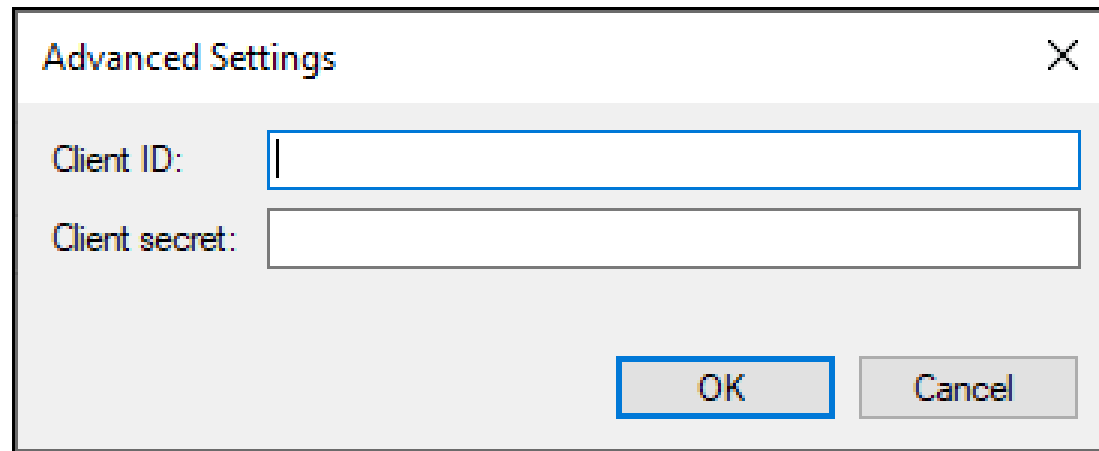
## Supported scenarios

- Update one node at a time for testing purposes
- Wizards to update all server references<sup>(\*)</sup>
  - Across all Process Flows in EG project
  - Across all EG projects in a folder

<sup>(\*)</sup> *Also supports changing Data Source to use (SAS Library)*

# Which SAS Viya 4 versions are supported?

All versions (\*)

A screenshot of a dialog box titled "Advanced Settings" with a close button (X) in the top right corner. The dialog contains two input fields: "Client ID:" and "Client secret:". The "Client ID:" field has a blue border and a cursor. Below these fields are two buttons: "OK" and "Cancel".

- (\*) SAS Viya 2024.01 or earlier require the SAS Administrator to define a client ID and client secret, and the Server connection definition in EG to specify these properties.

More details in the following documentation:

- [Defining and Connecting to a SAS Viya 4 Compute Server](#) in SAS Enterprise Guide 8.4 User's Guide
- [Registering an OAuth Client ID](#) in SAS Enterprise Guide and SAS Add-In for Microsoft Office: Administrator's Guide.

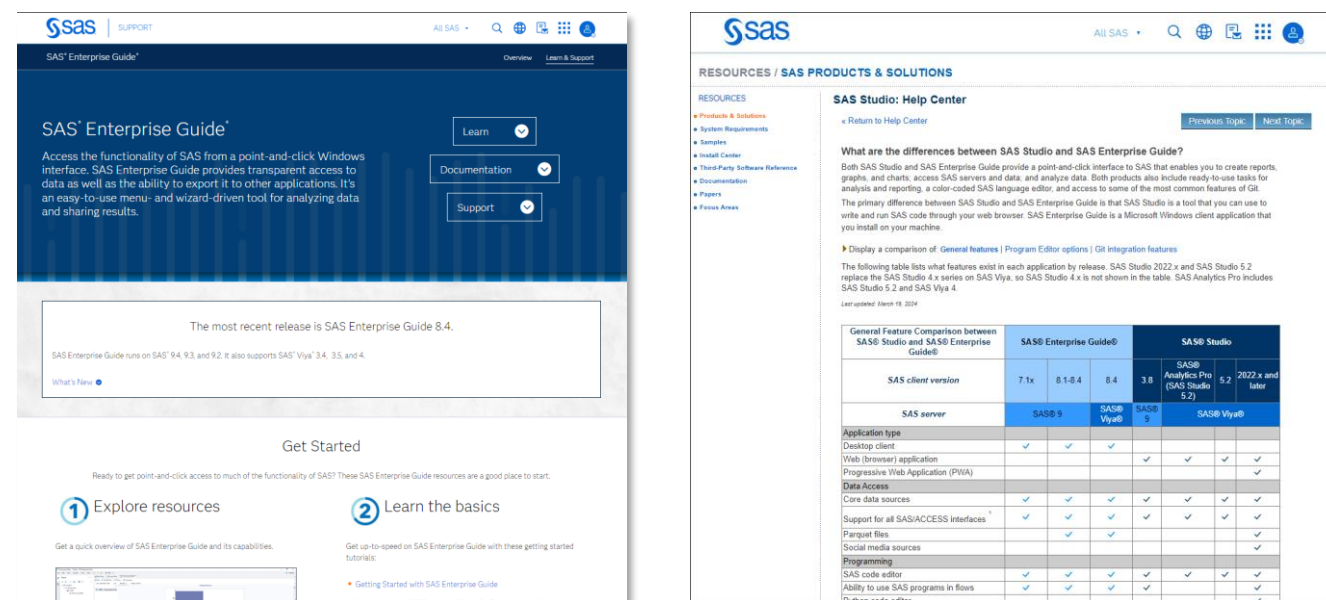
# Demo

- Running tasks against Viya4
- (Re)Load data to CAS -> VA Report
- Modify programs
  - push to GIT
  - collaborate with SAS Studio (pull)

# Links to resources

## Documentation

### EG on support.sas.com



## SAS Content Assessment

- [SAS Content Assessment: quickly accessing results \(SAS Communities\)](#)
- [Download SAS 9 Content Assessment \(support.sas.com\)](#)

A step-by-step description of the first part of the demo is also available on SAS Communities:

<https://communities.sas.com/t5/SAS-Communities-Library/Using-SAS-Enterprise-Guide-with-SAS-Viya-4/ta-p/921481>

# Q&A



# Vielen Dank!

