SAS Enterprise Guide Integration in SAS Viya 4

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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

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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
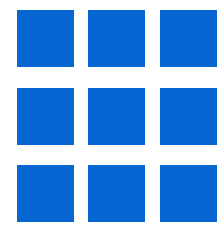
Hybrid Enterprise Guide projects

Project nodes can run any mix of SAS Viya 4, SAS Viya 3.5, and SAS 9.4

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Using the SAS Viya 4 support

Power of the SAS Viya 4 compute service from SAS Enterprise Guide

User defines a SAS Viya 4 server

Viya 4 server appears in Enterprise Guide the same as other servers

User accesses Viya 4 using familiar Enterprise Guide experience

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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

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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)

SAS Enterprise Guide
8.x

SAS Enterprise Guide
8.4

(Remote) IOM

SAS 9 Workspace
Server

(Remote) IOM

SAS 9 Workspace
Server

REST

SAS Compute
(on Viya 4)

CAS
(on Viya 4)

License

Requires Studio Analyst

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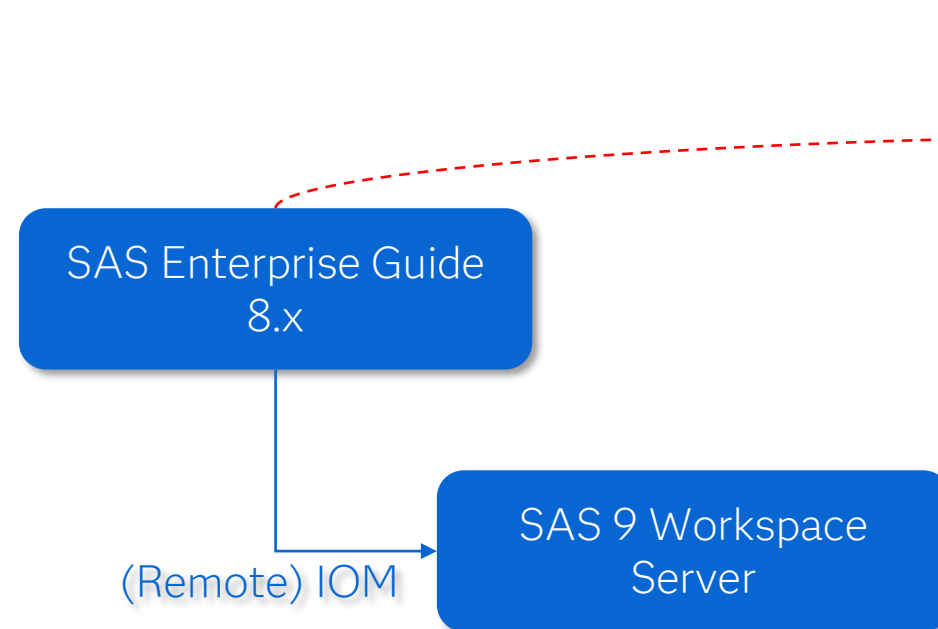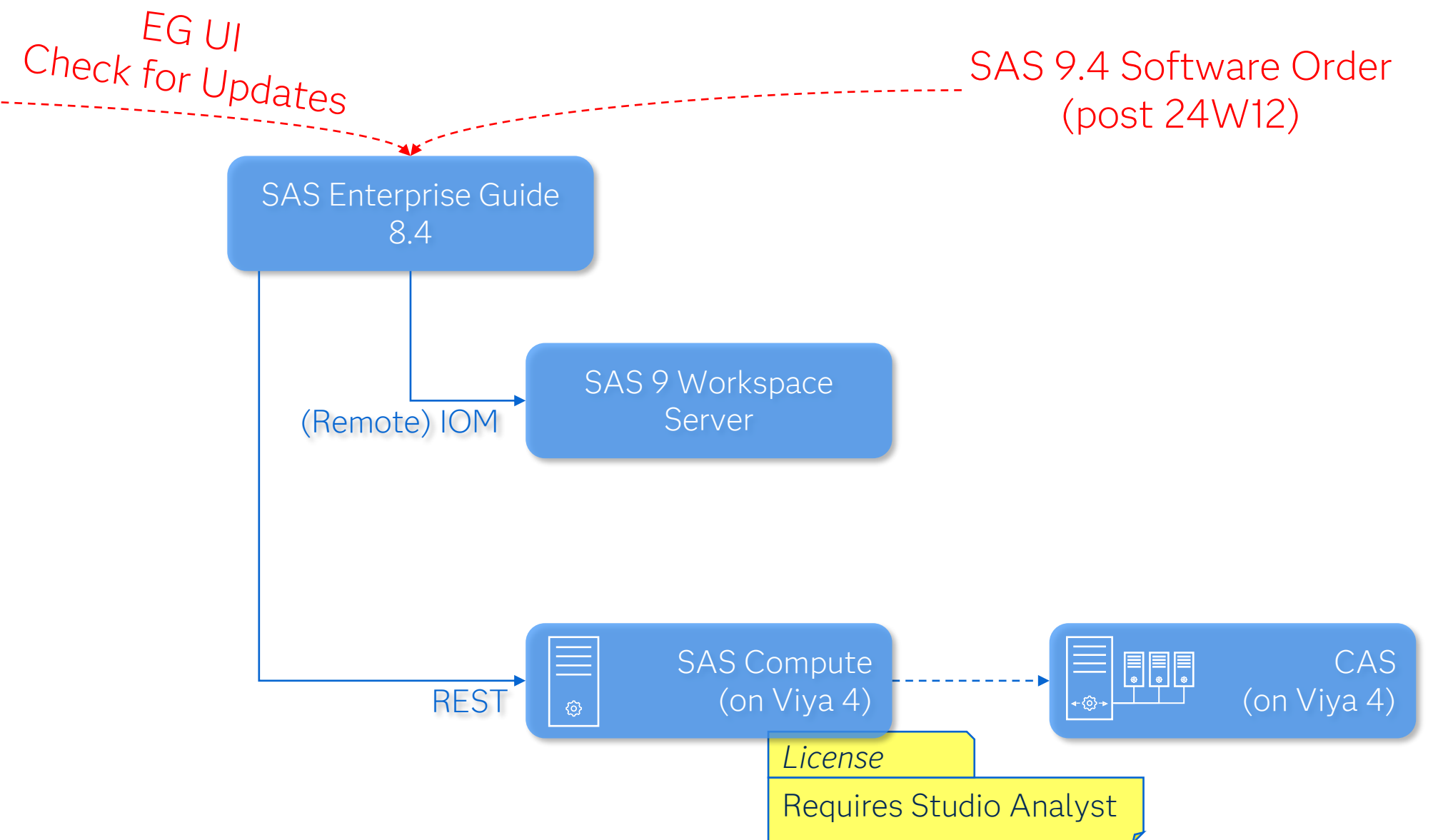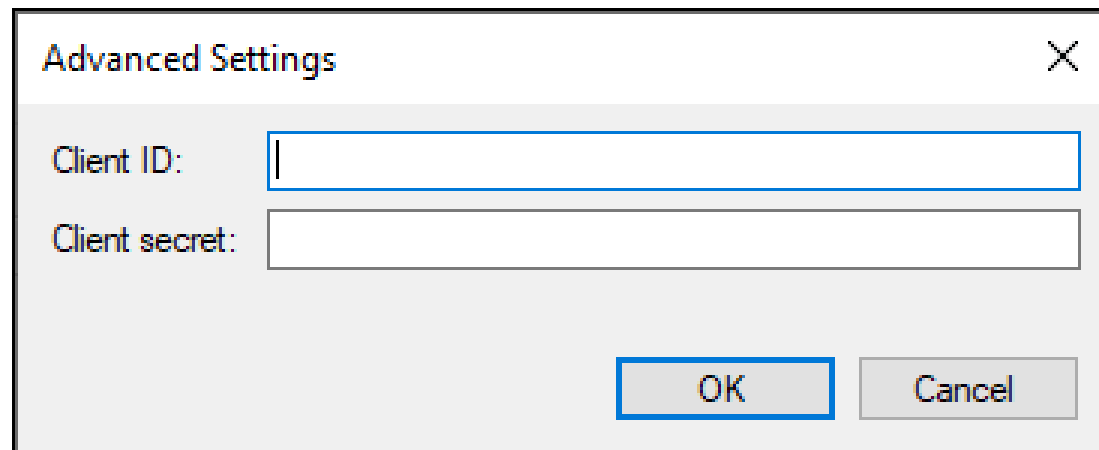
Which SAS Viya 4 versions are supported?

All versions (*)

Advanced Settings

Client ID:

Client secret:

OK   Cancel

(*) **SAS Viya 2024.05 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:
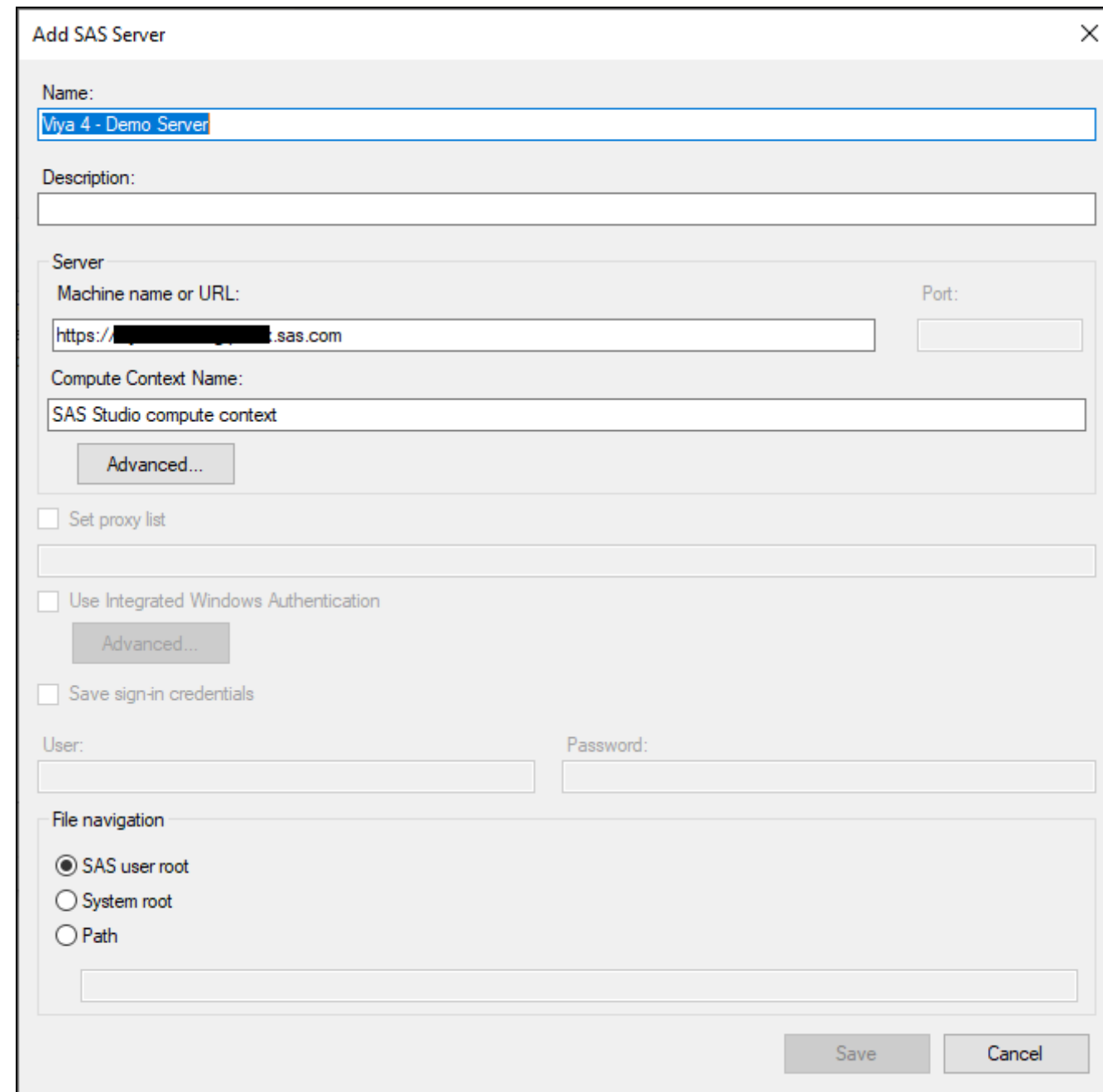
- [Defining and Connecting to a SAS Viya 4 Compute Server](#) in SAS Enterprise Guide 8.4 User's Guide

- [Registering an OAuth Client ID](#) in SAS Enterprise Guide and SAS Add-In for Microsoft Office: Administrator's Guide.

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How does it work?

More details and demo

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How does it work?

Define server connection

Navigate server

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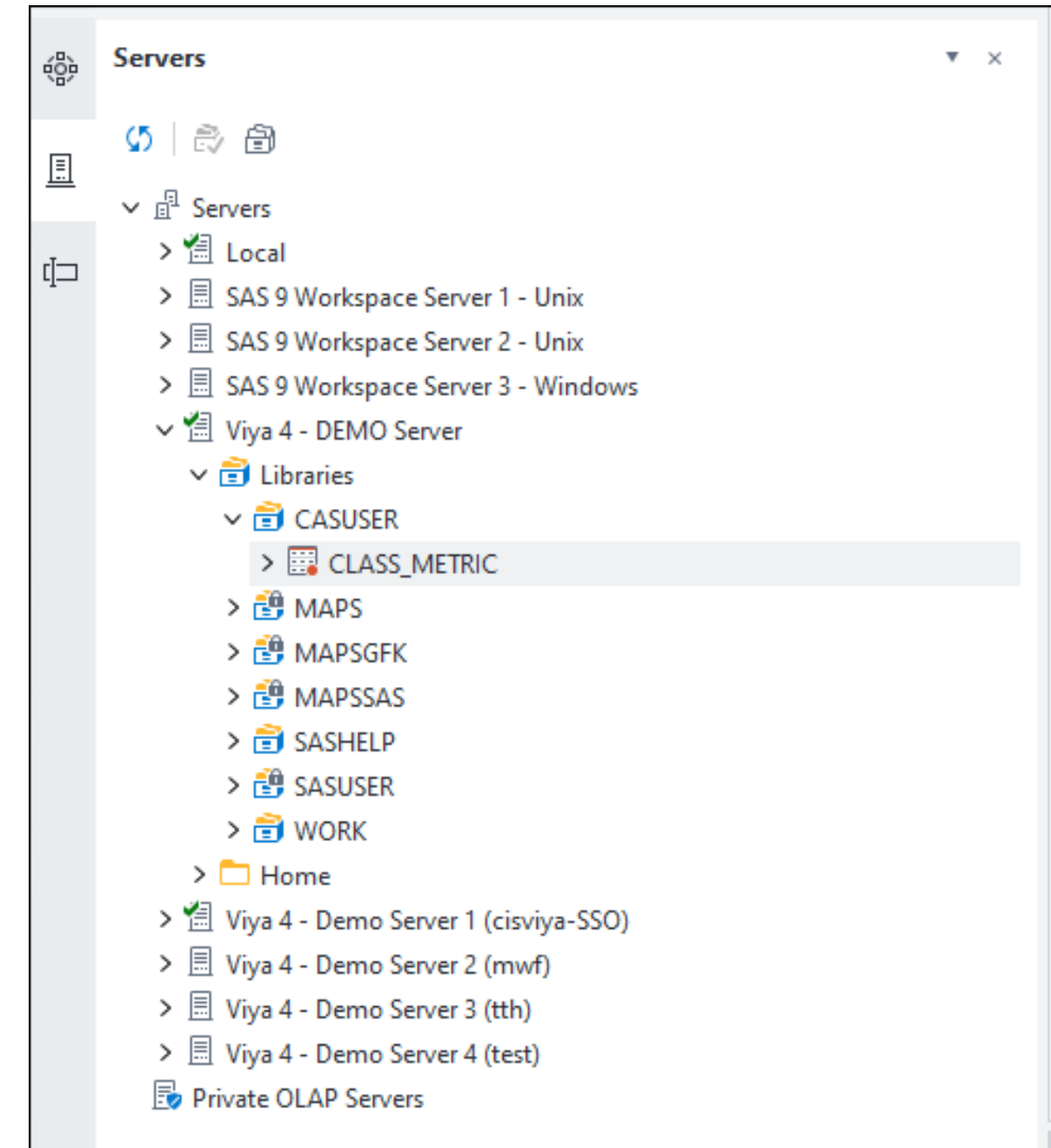
How does it work?

Update server association on node
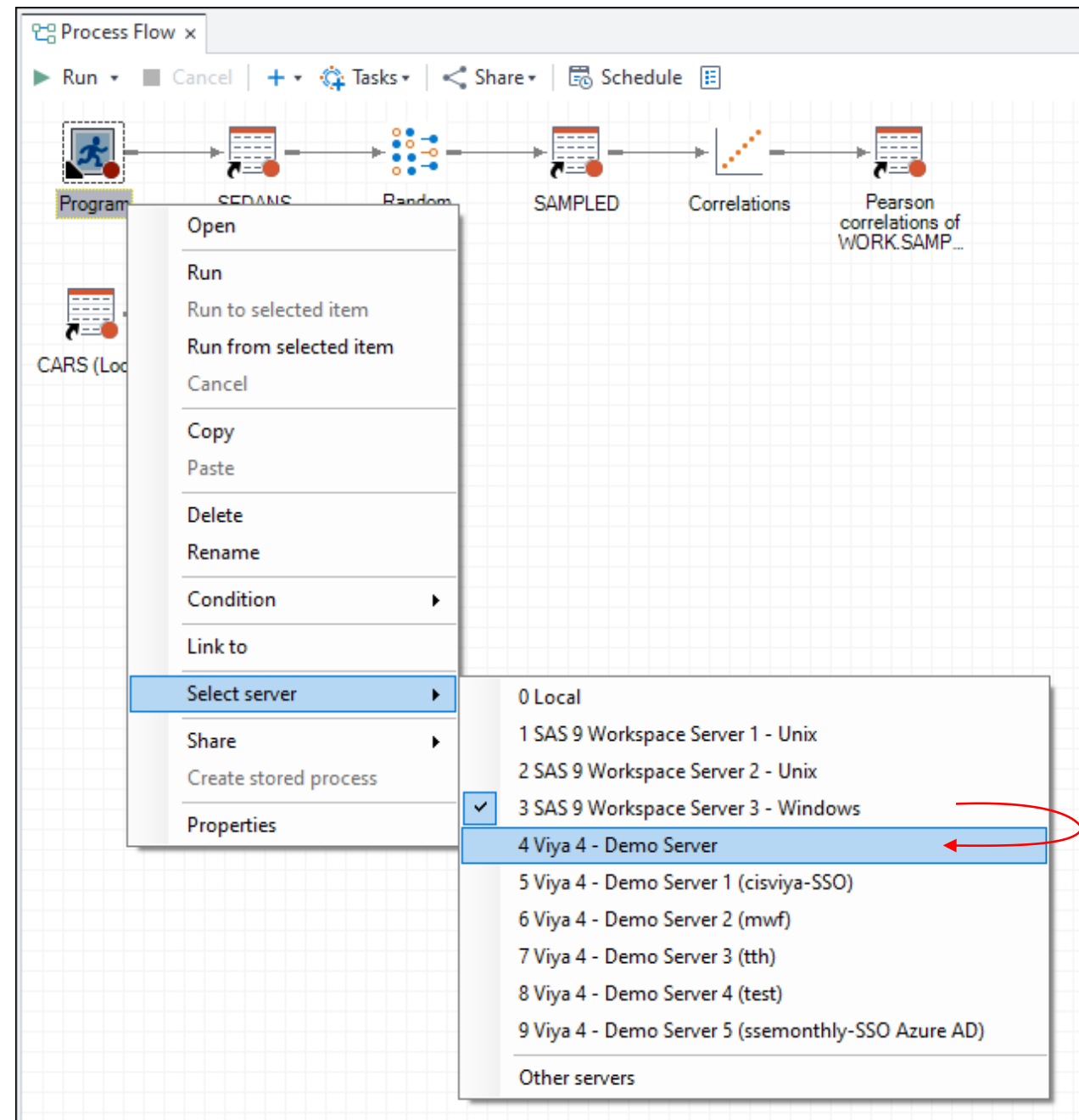
Supported scenarios

- Update one node at a time for testing purposes

- Wizards to update all
  server references[*]
  - Across all Process Flows in EG project
  - Across all EG projects in a folder

[*] *Also supports changing Data Source to use (SAS Library)*

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Taking advantage of SAS Viya 4 capabilities

Demo part 2

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Proc python

Proc python

Proc python

Using CAS

Using CAS

CAS action report is shown in Results tab of Program node

Demo

- Part 1
  - Defining a Viya 4 connection
  - Updating tasks in a SAS Enterprise Guide Process Flow to use a Viya 4 connection
  - Running those updated tasks
- Part 2
  - Using Python
  - Using CAS (with static prompts)

Note: A step-by-step description of this 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

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Roadmap

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Roadmap

Focus is on integration with SAS Viya

- SAS Viya Workbench integration

- SAS Content folder support

- Standalone installer (only supports SAS Viya 4 connections)
  - Tentative name: SAS Enterprise Guide for SAS Viya installer
  - Delivery: Free download from support.sas.com

- SAS Content Assessment reports on Prompt Types used in EG projects

Note: Planned for Q3

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Resources

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EG integration with Viya 4

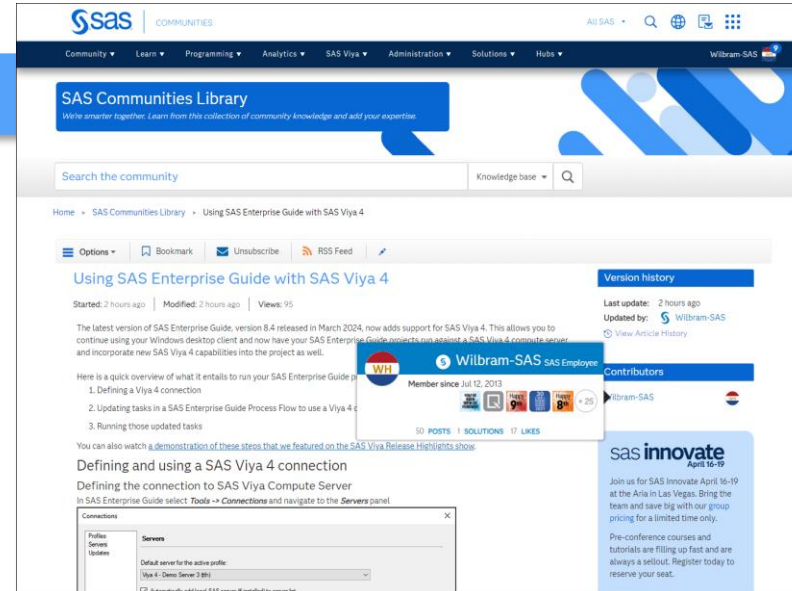## Communication / Collateral - Customer-facing
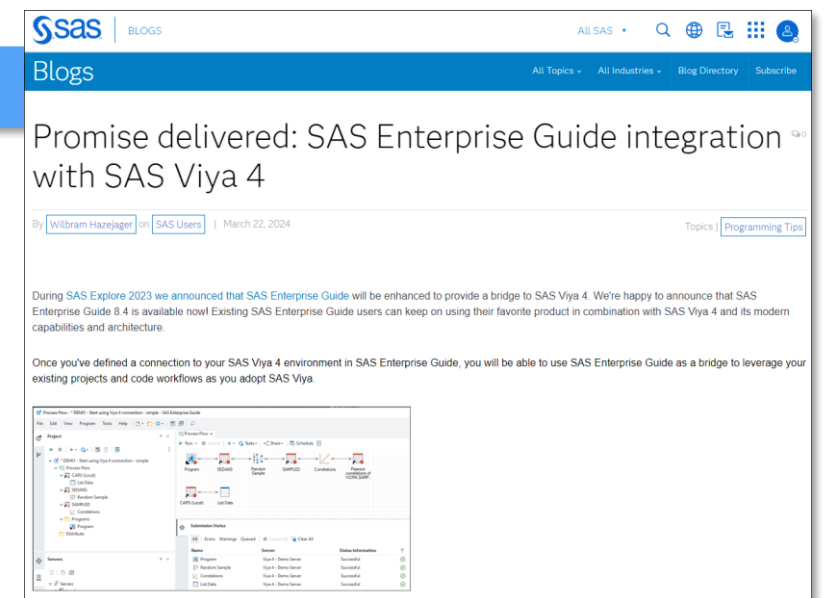

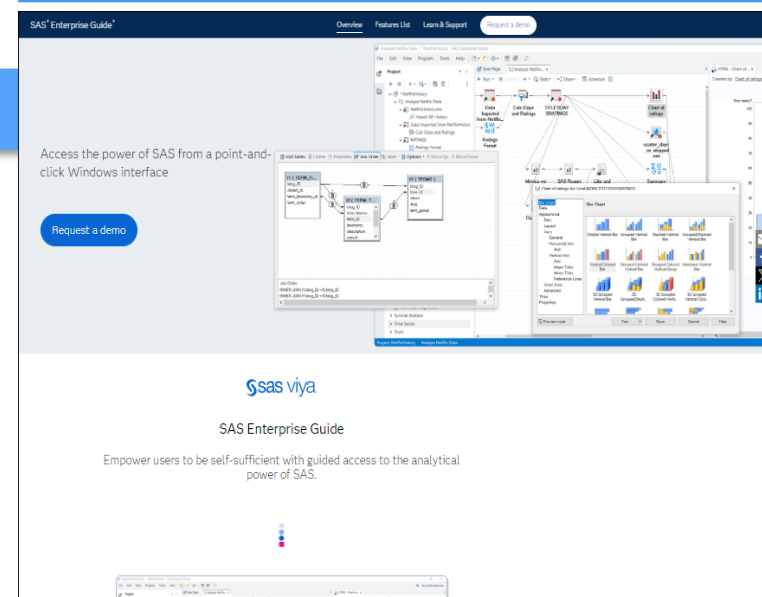**Viya Release Highlights**

March 19

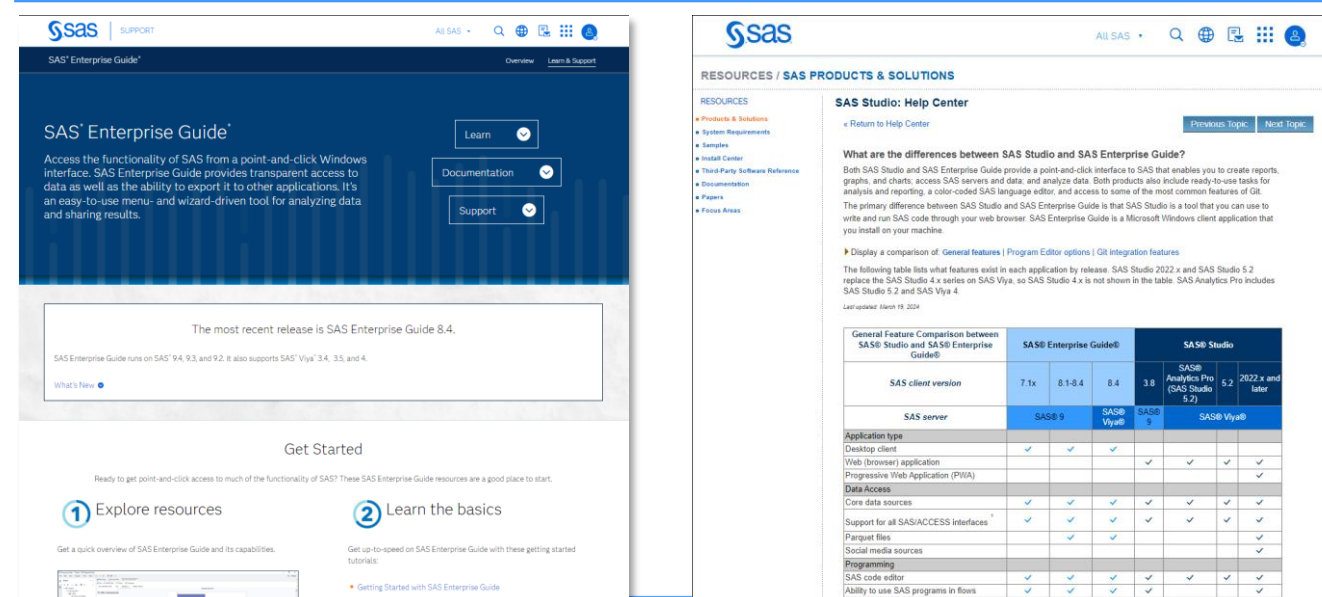**SAS Communities**

March 22
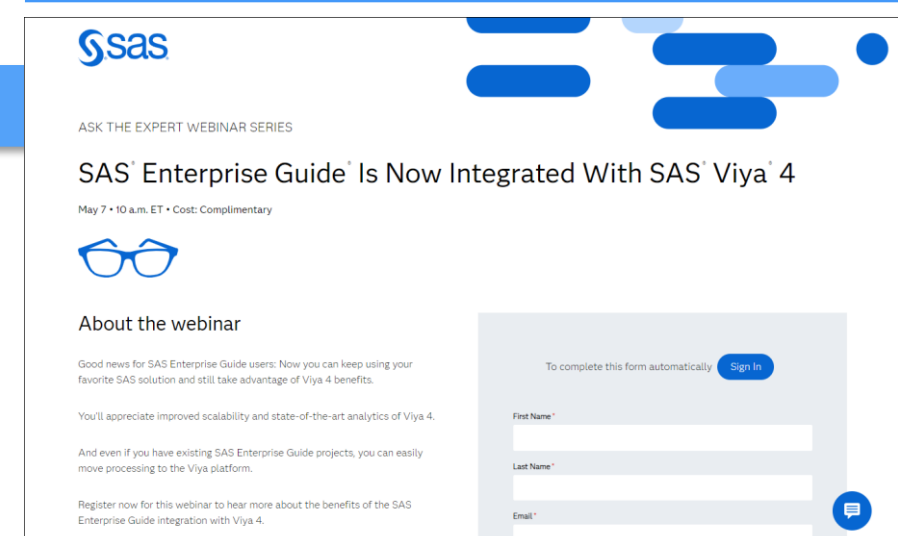
SAS Blogs

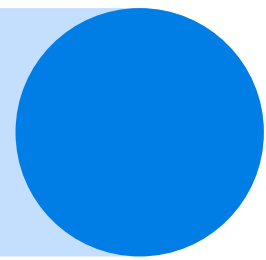March 22

EG on www.sas.com

March 19

EG on support.sas.com

March 19

Ask the Expert webinar

May 7

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EG integration with Viya 4

Links to resources

- www.sas.com - EG product page

- support.sas.com - EG page
- support.sas.com - Studio vs EG comparison matrix

- Viya Release Highlights Show (EG section starts at 21:00 mark)
- SAS Blog: Promise delivered: SAS Enterprise Guide integration with SAS Viya4
- Article: Using SAS Enterprise Guide with SAS Viya 4 - SAS Support Communities

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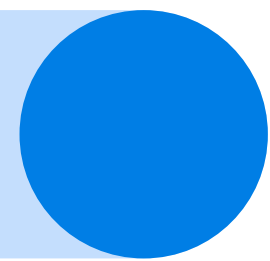
SAS Content Assessment

Links to resources

- [SAS Content Assessment: quickly accessing results (SAS Communities)](#)

- [Download SAS 9 Content Assessment (support.sas.com)](#)

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Q&A

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That's it folks!

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