What’s New in SAS Model Manager 15.2: Highlights

SAS Model Manager 15.2 has new features and enhancements that enable you to perform these tasks:

- configure publishing destinations in SAS Environment Manager
- monitor performance of models within the user interface
- publish analytic store models to SAS Micro Analytic Service
- score Python models
- validate models within a publishing destination

Note: The name of the Tests tab of a project has changed to Scoring, and the Workflow tab of a project now appears only for users who are members of the Application Administrators group when workflow definitions are available. For more information, see SAS Model Manager: User’s Guide.

Enhancements support integration with other SAS products and solutions, enabling you to do these tasks:

- access model and project objects from SAS Drive
- explore relationships for model and project objects using SAS Lineage
- publish and execute models using SAS Micro Analytic Service
- register models from SAS Studio
- register and manage SAS Visual Text Analytics models
- register and manage SAS Visual Statistics models

The May 2019 release of SAS Viya 3.4 contains the following updates to the Model Repository service:

- The name of the default repository for new installations has changed from Repository 1 to Public.
- Authorization rule permissions for Model Repository endpoints and initial authorization for repository folders have changed.

For more information, see “Model Repository Service”.
Configure Publishing Destinations
You can configure publishing destinations in SAS Environment Manager and publish models to CAS, Hadoop, SAS Micro Analytic Service, and Teradata.
For more information, see SAS Viya Administration: Publishing Destinations and “Publishing Models” in SAS Model Manager: User’s Guide.

Monitor Performance
You can monitor performance for models within the SAS Model Manager user interface. You can also view the performance results using SAS Visual Analytics.
For more information, see “Monitoring Performance” in SAS Model Manager: User’s Guide.

Publish Analytic Store Models
You can publish analytic store models to the SAS Micro Analytic Service publishing destination.
For more information, see “Publishing Models” in SAS Model Manager: User’s Guide.

Score Python Models
Not only can you store Python models in the SAS Model Manager common model repository, but you can also run scoring tests on Python models that are in an approved format.
For more information, see “Test Models” in SAS Model Manager: User’s Guide.

Publishing Validation of Models
When you publish a model, a publishing validation test is created to validate the model within the publishing destination using the model’s score code. You can run the publishing destination test from the project’s Scoring tab.

Note: The name of the Tests tab of a project has changed to Scoring. The Scoring tab now contains two subordinate tabs, Tests and Publishing Validation.

Support for Integration with Other SAS Products and Solutions

SAS Drive
SAS Drive enables you to view, organize, and share your content from one place. You can manage your models and projects from the Manage Models tab or by filtering the objects on the All or Recent tabs. The availability of the features in SAS Drive depends on the applications that have been installed, and the features and permissions that have been specified by your administrator.
For more information, see *SAS Drive: Getting Started.*

**SAS Lineage**

You can explore relationships between models and projects, as well as other objects such as publishing destinations using the SAS Lineage Viewer.

For more information, see *SAS Lineage Viewer: User’s Guide.*

**SAS Micro Analytic Service**

SAS Micro Analytic Service is included as part of the SAS Model Manager deployment. A publishing destination is created automatically for SAS Micro Analytic Service when SAS Model Manager is installed. Users can publish models to the SAS Micro Analytic Service publishing destination and then score them within the publishing destination.


**SAS Studio**

SAS Studio enables you to register models into the SAS Model Manager common model repository using the SAS Viya Register task. The Register task is currently supported only for analytic store models. You must have a project within the common model repository before you can use the Register task to register models.

For more information, see “SAS Viya: Register” in *SAS Studio: Task Reference Guide.*

**SAS Visual Text Analytics**

You can register models from the Model Studio suite of analytic data mining tools into the SAS Model Manager common model repository. In addition to SAS Visual Data Mining and Machine Learning models, you can register SAS Visual Text Analytic models. You can then manage the projects and their models using the SAS Model Manager web application.


**SAS Visual Statistics**

SAS Visual Statistics models can be registered into the common model repository from SAS Visual Analytics, or from SAS Studio. You can then manage the models using the SAS Model Manager web application.


**Model Repository Service**

The May 2019 release of SAS Viya 3.4 contains updates to the Model Repository service. The updates include authorization changes to rule permissions for Model Repository endpoints and initial authorization for repository folders. The name of the default repository has also changed. Here are the details:

- The name of the default repository for new installs has changed from **Repository 1** to **Public**. However, if you perform an upgrade or update, the name of the default repository is not changed.
- Only SAS Administrators and other authorized users can create, update, or delete repository folders. Authenticated users can no longer create, update, or delete repositories.
- Authenticated users cannot initially access new custom repositories. A SAS Administrator must grant access for a user or group to a new custom repository.
Note: Authorization for existing repository folders is not modified during an upgrade. For more information, see “Access to Models” in SAS Viya Administration: Models.