SAS® Model Manager 15.1: What’s New

What’s New in SAS Model Manager 15.1: Highlights

SAS Model Manager has been rewritten in HTML5 and runs on the SAS Viya platform. It enables you to store models in a common model repository, and organize them within projects or folders. You can also evaluate models for champion model selection, monitor performance of models, and publish models.

Key features and enhancements enable you to do these tasks:
- create and import models within a common model repository
- compare and assess models
- export model contents in a ZIP file
- run tests to score models
- publish models to CAS, Hadoop, SAS Micro Analytic Service, and Teradata
- manage data sources, identities, and authorization for folders and objects using SAS Environment Manager
- define, run, and view performance job results
- search for content across web applications

Enhancements provide support for the following:
- integration with the Model Studio suite of analytic data mining tools
- integration with SAS Workflow Manager
- integration with SAS Event Stream Processing
What’s New in SAS Model Manager 15.1: Details

Create and Import Models
You can create new models or import existing models using SAS Model Manager web application or Model Management macros. Models can be stored within a folder or project version in the SAS Model Manager common model repository.


Compare and Assess Models
You can compare and assess one or more models. When you compare models, the model comparison output includes model properties, user-defined properties, variables, fit statistics, and lift for the models. The fit statistics, as well as plots for lift and ROC, are produced using the ASSESS procedure and are displayed only for the SAS Visual Data Mining and Machine Learning models that are created using Model Studio.

For more information, see “Compare Models” in SAS Model Manager: User’s Guide.

Export Model Contents
You can export the contents of a model into a ZIP file and download it to your local machine. Only one model can be exported at a time. The contents of the ZIP file can then be used by applications such as SAS Event Stream Processing Studio.

For more information, see “Export a Model” in SAS Model Manager: User’s Guide.

Run Tests to Score Models
You can define and run a test to score a model. You can select an input data source of your choice, and can then place the output in the same library as the input data source or a different library.

For more information, see “Test Models” in SAS Model Manager: User’s Guide.

Publish Models
You can configure publish destinations and publish models to CAS, Hadoop, SAS Micro Analytic Service, and Teradata.


Manage Data Sources, Identities, and Authorization
SAS Model Manager is integrated with SAS Environment Manager and SAS Data Explorer. Data sources can be added and managed through SAS Environment Manager. User and group identities, as well as authorization for folders and objects, is also managed through SAS Environment Manager. Predefined user groups are not automatically created for you.

For more information, see SAS Model Manager: Administrator’s Guide.
Define, Run, and View Performance Job Results

You can use a macro in SAS Studio to define and run a performance definition task. The performance job results can then be viewed within SAS Studio, or by using SAS Visual Analytics.


Search for Content Across Web Applications

You can search the list of projects or models by name, and you can also search for model and project objects across web applications that you have access to.

For more information, see SAS Model Manager: User’s Guide.

Support for Integration with Model Studio

You can register project pipeline models from the Model Studio suite of analytic data mining tools into the common model repository. The projects and their models can then be managed using the SAS Model Manager web application and sent to Model Studio for retraining.


Support for Integration with SAS Workflow Manager

You can create a workflow using SAS Workflow Manager and associate it with a project in the SAS Model Manager web application.


Support for Integration with SAS Event Stream Processing

When a model is set as a project champion in SAS Model Manager, an event notification is sent to a message queue. Other applications, such as SAS Event Stream Processing Studio and SAS Event Stream Manager, can then pick up the event notification.

SAS Event Stream Processing projects can reference models that are stored in SAS Model Manager. SAS Micro Analytic Service modules are used to accommodate such models. These models could be subsequently updated if a new champion model is declared. A user can also import a champion model from SAS Model Manager into SAS Event Stream Processing Studio in order to process input data. If a project in SAS Event Stream Manager references a model that is stored in SAS Model Manager, the running project can be updated to reflect updates to the model.
