

IBM SPSS Modeler Gold on Cloud 17.0

IBM

Contents

IBM SPSS Modeler Gold on Cloud	1
Overview	1
Offering highlights	1
Documentation	2
Getting started with IBM SPSS Modeler Gold on Cloud	2
Connecting to the system	2
Items not supported	2
Data access	3

Deploying results	3
Programmability with R and Python	4
Licensing	4
IBM SPSS Statistics Standard option	4
Real Time Scoring option	4
Notices	5
Trademarks	6

IBM SPSS Modeler Gold on Cloud

Overview

IBM® SPSS® Modeler Gold on Cloud brings predictive analytics and deployment capabilities to the cloud. It provides the native analytical capabilities of IBM SPSS Modeler, including 20+ algorithms, data wrangling, automatic data preparation and modeling, text analytics, entity analytics, and social network analysis. It also includes collaboration, deployment and decision management capabilities that allow users to simulate how a combination of business rules and predicted outcomes affect tactical decisions such as what offer to make a customer, what machine to fix, how much inventory to deploy to a specific store, how to process an insurance claim and much more. Users can combine this with ad-hoc statistics and real-time scoring for a comprehensive, enterprise-scale platform for advanced analytics in a secure, hosted environment that requires no installation, no capital expenditures, and limited IT involvement.

The cloud release offers most of the same capability as the on-premise version, but with a few functional differences as noted in this document. Most differences pertain to data -- how it is uploaded and accessed in the hosted Cloud environment -- as well as procedures for administering the system and deploying results.

Offering highlights

SPSS Modeler Gold on Cloud allows users to create predictive models, share and collaborate on predictive projects and leverage deployment capabilities such as scoring and decision management. Customers can extend this environment to incorporate IBM SPSS Statistics capabilities as well as Real-Time Scoring to add breadth to their analytical projects.

SPSS Modeler Gold on Cloud offers many of the same benefits as the on-premise version:

- Collaboration, automation, and sharing of analytical assets across individuals and groups
- Full access to algorithms within IBM SPSS Modeler, including auto-modeling techniques that minimize the burden to know what algorithm is right on the user
- Full access to data preparation for combining, cleaning, re-coding, and validating data as well as auto-data preparation that tunes data to chosen analysis with limited user intervention
- Ability to quickly upload and use a variety of data sources such as Excel, txt/csv, fixed file format, database tables, IBM SPSS Statistics, SAS, and more
- Advanced analytical techniques such as text analytics, entity analytics, social network analysis, and simulation
- Access to pre-packaged decision templates that span relationship management, demand optimization, predictive insurance claims and more
- SPSS Modeler Gold on Cloud comes pre-packaged with the most popular R extensions

In addition, the Cloud offering adds the following additional benefits:

- Secure, cloud-based, high-performing environment for analytics
- Fast deployment without the need to install software locally, helping to ease the burden on IT
- Jump start services that accelerate time to value for customers
- Subscription pricing which eliminates the need for a large capital investment up front
- Options for including the extended capabilities of IBM SPSS Statistics Standard and Real-Time Scoring

Documentation

Several IBM SPSS products are included with SPSS Modeler Gold on Cloud. Documentation for all IBM SPSS products is available in the online [IBM Knowledge Center](#). In the Knowledge Center's **Table of Contents**, under **Products**, click **SPSS**. Documentation is also available in PDF format at the following locations:

- IBM SPSS Collaboration and Deployment Services v7 PDF documentation
- IBM SPSS Modeler v17 PDF documentation
- IBM Analytical Decision Management v17 PDF documentation
- IBM SPSS Statistics v23 PDF documentation

Getting started with IBM SPSS Modeler Gold on Cloud

Users interact with a cloud-based environment through their browser. Once connected, the experience of using the software is similar to the on-premise version, with the differences noted in this document.

Connecting to the system

Users receive a user name and password that controls their access to the environment. They receive a login that allows them to upload data to the hosted server environment via Secure FTP (SFTP), and connect the Client running in Citrix.

Each user will receive a email with connection information, including:

- Link to connect to the Citrix client environment (with login and password)
- URL to upload data via SFTP
- IBM SPSS Collaboration and Deployment Services password
- IBM SPSS Modeler Server connection details and password
- DB2 Database connection details and password (for read/write access)
- Password for Entity Analytics repository

All users are given read/write access to both the SPSS Modeler file server as well as the database. (File server access is limited to folders created explicitly for staging data files).

If multiple users share a server, each will have their own login id.

Customers will not have access to the Client file system in Citrix.

Items not supported

Support for the following functions is **not available** in SPSS Modeler Gold on Cloud.

- Connection to IBM SPSS Analytic Server
- Connection to IBM Cognos BI or IBM Cognos TM1
- Connection to any database other than the hosted DB2 instance
- Integration with IBM Operational Decision Management -- whether executing rules locally or via Web Service call to a remote rule server -- is not supported in the Cloud version
- The General job step in IBM SPSS Collaboration and Deployment Services Deployment Manager Client
- The IBM SPSS Collaboration and Deployment Services e-mail notification feature
- The IBM SPSS Statistics Web Custom Dialogs functionality is not supported. (This feature allows executive or business users in an organization to run reports using IBM SPSS Statistics, without actually installing IBM SPSS Statistics.)
- Installation of additional SPSS Modeler nodes is not supported at this time
- Installation of additional R extensions is not supported at this time

- R Debug is not supported at this time

Data access

Users work with data that is in the hosted server environment, whether stored on the hosted file system or uploaded to the hosted DB2 instance.

Data is uploaded to the hosted SPSS Modeler Gold on Cloud environment via Secure FTP (SFTP).

- Files are written to a staging folder in the SPSS Modeler Server environment. Users must have an SFTP client that they can use to upload files. Contact your IT department for the client they allow and recommend.
- Clients must connect to the server to access data. No data is uploaded to the Citrix Client environment.

Database support

For SPSS Modeler Gold on Cloud, database access and support is limited to the hosted instance of DB2 available in the SPSS Modeler Gold on Cloud environment. The following functions are supported:

- Basic read-write to/from database (using IBM SPSS Modeler Client with the standard DataDirect driver included on the environment)
- SQL pushback
- Bulk loading (requires a Support ticket to configure and may require custom services depending on the volume or complexity)

Aside from the DB2 instance in the hosted environment, connection to all other databases and as well as use of in-database mining or other database-related functions -- including Oracle, Microsoft SQL Server, Teradata, InfoSphere, Netezza, etc. as well as any other instance of DB2 -- are not supported in the Cloud version.

IBM SPSS Data Collection import and export

Import and export of IBM SPSS Data Collection files is supported. Files must be uploaded or downloaded via Secure FTP. Direct connection to IBM SPSS Data Collection products is not supported in SPSS Modeler Gold on Cloud.

Analytic Data View

Analytic Data View is supported in SPSS Modeler Gold on Cloud.

Deploying results

Output produced can be downloaded to the users own environment or can be shared through the cloud-based collaboration environment with others. Those who create models also have access to IBM SPSS Collaboration and Deployment Services Deployment Manager Client where they can automate their models and share insight with others.

Users can deploy their results in a variety of ways:

- They can download any output they have created to their own environment via Secure FTP
- They can use IBM SPSS Collaboration and Deployment Services Deployment Manager Client to create and schedule jobs that run models and create output
- They can use predicted models with business rules and simulate multiple scenarios based on their own business problem and organizational constraints
- They can score new data in batch or use the real-time scoring extension and provide the results to all relevant decision makers. See "Real Time Scoring option" on page 4.

Programmability with R and Python

Integration with R and Python is supported in SPSS Modeler Gold on Cloud. SPSS Modeler Gold on Cloud comes pre-packaged with the most popular R extensions.

Support for R. IBM SPSS Modeler and IBM SPSS Statistics can use R. The R Debug functionality and installation of additional R extensions are not supported at this time.

Support for Python. IBM SPSS Statistics users can include Python scripting.

Licensing

For the Cloud version, only authorized users are supported. Licensing is managed through access to the hosted Citrix environment.

Concurrent user licenses are not available in the Cloud version.

The Sentinel License Manager is not supported in the Cloud version.

IBM SPSS Statistics Standard option

IBM SPSS Statistics Standard is available as an add-on to support ad-hoc statistical analysis and hypothesis testing for deeper data understanding. IBM SPSS Statistics is not available on Cloud as a standalone offering, and can only be purchased as add-on to IBM SPSS Modeler Gold on Cloud.

Note: For users who purchase the IBM SPSS Statistics add-on, the Web Custom Dialogs functionality is not supported in the Cloud version. (This feature allows executive or business users in an organization to run reports using IBM SPSS Statistics, without actually installing the product.)

Real Time Scoring option

Access to the IBM SPSS Real Time Scoring Service is available as an add-on to the hosted environment. There is no fixed limit on the number of scores, but actual performance may vary based on model complexity and other factors.

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