

IBM Data Science Experience Local V1.2 adds IBM SPSS Modeler integration and model management and deployment capabilities

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At a glance

IBM[®] Data Science Experience Local V1.2 provides end-to-end management of the machine learning workflow through a suite of tools and capabilities that enables data scientists to accelerate their productivity and keeps models deployed across the enterprise current. Data Science Experience Local is available on premises and offers the following benefits:

- Provides a base for IBM SPSS[®] Modeler for Data Science Experience, which allows non-coding data scientists to create a complete data science project, including data understanding, data preparation, modeling, and evaluation.
- Models can be rapidly deployed to production and continuously monitored to help deliver on the promise of data science teams to deliver business value.

Overview

Interest in and adoption of data science and machine learning is booming with a profusion of new tools, new algorithms, new libraries, and new data sets such as Twitter and more. Data-driven companies such as Uber and Airbnb have shown the rest of the world the impact world-class data science can have on business results.

The challenge companies have to extract business insights from their data is exacerbated by a continued shortage of skilled data scientists. That skills limitation, coupled with the fact that many existing tools are siloed, requiring different skill sets, has made it increasingly difficult for companies to derive valuable insights that could drive decision-making and business results.

Data Science Experience Local is designed by data scientists to increase their productivity. It solves many of the current challenges, enabling companies to quickly ramp up the impact of data science to get more out of their data from existing resources. Cross-functional teams can now collaborate on the same machine learning project, and the resulting models can be easily deployed, evaluated, and monitored over time.

SPSS Modeler for Data Science Experience offers an integration of a new interface for IBM SPSS Modeler into Data Science Experience Local. With Modeler's comprehensive visual data science capabilities and intuitive drag-and-drop interface, users can easily accomplish many data science tasks, ranging from data preparation to many machine learning algorithms. Those new to data science can take advantage of automated techniques, including data preparation and modeling. The visual interface has been updated to be accessible with a web browser and

shares the same look and feel as Data Science Experience Local. This update to IBM SPSS Modeler includes new interactive visualizations as well. With this integration, both coders and noncoders on the same team can work on different aspects of a data science project

Data Science Experience Local V1.2 introduces deployment and model management capabilities to help data science teams implement, manage, and, ultimately, deliver the value of their models. Capabilities include:

- Deployment of scripts, models, apps, and jobs: Python and R as web services, SPSS flows as jobs, and Shiny[®] apps.
- Manage and monitor models. Evaluate model performance, schedule evaluations, and trigger alerts.
- Promote projects from dev, to QA, to production: View change history, support changes, updates, and support rollback.

With Data Science Experience Local, companies can accelerate the expertise and productivity of their data science teams, shortening their transition to becoming data-driven enterprises.

Key prerequisites

Data Science Experience Local can be deployed in three or nine physical or virtual server configurations on a variety of Linux[®] operating systems. For details, see the [Hardware requirements](#) and [Software requirements](#) sections.

IBM SPSS Modeler for Data Science Experience requires IBM Data Science Experience Local V1.2.

Planned availability date

March 28, 2018

Description

Accessibility by people with disabilities

A US Section 508 Voluntary Product Accessibility Template (VPAT), containing details about accessibility compliance, can be found on the [Product accessibility information](#) website.

Reference information

For more information regarding Data Science Experience Local, see:

- Software Announcement [AP17-0447](#), dated September 12, 2017
- Software Announcement [AP17-0007](#), dated April 18, 2017

For more information regarding Data Science Experience Local availability in the IBM Data Science and Business Analytics Platform offering, see Software Announcement [AP18-0019](#), dated January 9, 2018.

Program number

Program number	VRM	Program name
5737-D37	1.2.0	IBM Data Science Experience Local

Program number	VRM	Program name
5737-H39	1.1.0	IBM SPSS Modeler for Data Science Experience

Publications

Documentation and installation instructions for Data Science Experience Local can be found on the [Get started with IBM Data Science Experience](#) website.

Documentation for SPSS Modeler for Data Science Experience can be found at the [IBM Data Science Experience SPSS Modeler flows](#) website. This information will be available by March 28, 2018.

Technical information

Specified operating environment

Hardware requirements

Data Science Experience Local can be deployed in three or nine physical or virtual server configurations on a variety of Linux operating systems.

Hardware requirements for Data Science Experience Local and Data Science Experience Local Model Management and Deployment component can be found on the [Data Science Experience Local content hub](#) website.

Software requirements

Data Science Experience Local runs on a variety of Linux operating systems and supports multiple browsers.

Software requirements for Data Science Experience Local and Data Science Experience Local Model Management and Deployment component can be found on the [Data Science Experience Local content hub](#) website.

Limitations

Additional information can be found on the [License Information documents](#) web page on the IBM Software License Agreement website.

IBM Electronic Support

The IBM Support Portal is your gateway to technical support. This includes IBM Electronic Support tools and resources, for software and hardware, to help save time and simplify support. The Electronic Support tools can help you find answers to questions, download fixes, troubleshoot, automate data collection, submit and track problems through the Service Request online tool, and build skills. All these tools are made available through your IBM support agreement. Read about the Electronic Support portfolio of tools on the [IBM Support](#) website.

You can also access the [IBM Support Portal](#) page and the online [Service requests and PMRs](#) tool for more support.

Planning information

Packaging

This offering is delivered through the internet. There is no physical media.

This program, when downloaded from a website, contains the applicable IBM license agreement and License Information, if appropriate, which will be presented for

acceptance at the time of installation of the program. For future reference, the license and License Information will be stored in a directory such as LICENSE.TXT.

Security, auditability, and control

This offering uses the security and auditability features of the host hardware or software.

The customer is responsible for evaluation, selection, and implementation of security features, administrative procedures, and appropriate controls in application systems and communication facilities.

Ordering information

This product is only available through Passport Advantage. It is not available as shrinkwrap.

These products may only be sold directly by IBM or by authorized IBM Business Partners for Channel Value Rewards.

More information can be found on the [IBM Channel Value Rewards](#) website.

To locate IBM Business Partners for Channel Value Rewards in your geography for a specific Channel Value Rewards portfolio, go to the [Find a Business Partner](#) page.

Product group: Hybrid Cloud Analytics Private Cloud

Product: IBM Data Science Experience Local (5737-D37)

Product category: Data Science Experience

Passport Advantage

IBM Data Science Experience Local (5737-D37)

Part description	Part number
IBM Data Science Experience Local Model Management and Deployment Virtual Server License + SW Subscription & Support 12 Months	D1X3KLL
IBM Data Science Experience Local Model Management and Deployment Virtual Server Annual SW Subscription & Support Renewal	E0P8FLL
IBM Data Science Experience Local Model Management and Deployment Virtual Server SW Subscription & Support Reinstatement 12 Months	D1X3LLL
IBM Data Science Experience Local Model Management and Deployment Virtual Server Monthly License	D1X3MLL

IBM SPSS Modeler for Data Science Experience (5737-H39)

Part description	Part number
IBM SPSS Modeler for IBM Data Science Experience Authorized User License + SW Subscription & Support 12 Months	D1X6TLL
IBM SPSS Modeler for IBM Data Science Experience Authorized User Annual SW Subscription & Support Renewal	E0P8VLL
IBM SPSS Modeler for IBM Data Science Experience Authorized User SW Subscription & Support Reinstatement 12 Months	D1X6ULL

Part description	Part number
IBM SPSS Modeler for IBM Data Science Experience Authorized User Monthly License	D1X6VLL
IBM SPSS Modeler Server for Data Science Experience Processor Value Unit (PVU) License + SW Subscription & Support 12 Months	D1X6ZLL
IBM SPSS Modeler Server for Data Science Experience Processor Value Unit (PVU) Annual SW Subscription & Support Renewal	E0P8XLL
IBM SPSS Modeler Server for Data Science Experience Processor Value Unit (PVU) SW Subscription & Support Reinstatement 12 Months	D1X70LL
IBM SPSS Modeler Server for Data Science Experience Processor Value Unit (PVU) Monthly License	D1X71LL

For additional ordering information regarding Data Science Experience Local, see:

- Software Announcement [AP17-0447](#), dated September 12, 2017
- Software Announcement [AP17-0007](#), dated April 18, 2017

Cross-platform product for use on z Systems^(R) Integrated Facility for Linux (IFL) engines or zEnterprise^(R) BladeCenter Extension

Order the part numbers that follow when the product is intended to run on zEnterprise BladeCenter Extension or the Linux operating system on z Systems IFL engines. If the product is not intended to run in these environments, order from the other set of part numbers in this announcement. This set of part numbers provides the identical supply and authorization as the other set in this announcement.

IBM SPSS Modeler for Data Science Experience (5737-H39)

Part description	Part number
IBM SPSS Modeler for IBM Data Science Experience Linux on System Z Authorized User License + SW Subscription & Support 12 Months	D1X6WLL
IBM SPSS Modeler for IBM Data Science Experience Linux on System Z Authorized User Annual SW Subscription & Support Renewal	E0P8WLL
IBM SPSS Modeler for IBM Data Science Experience Linux on System Z Authorized User SW Subscription & Support Reinstatement 12 Months	D1X6XLL
IBM SPSS Modeler for IBM Data Science Experience Linux on System Z Authorized User Monthly License	D1X6YLL
IBM SPSS Modeler Server for Data Science Experience Linux on System Z Processor Value Unit (PVU) License + SW Subscription & Support 12 Months	D1X72LL
IBM SPSS Modeler Server for Data Science Experience Linux on System Z Processor Value Unit (PVU) Annual SW Subscription & Support Renewal	E0P8YLL
IBM SPSS Modeler Server for Data Science Experience Linux on System Z Processor Value Unit (PVU) SW Subscription & Support Reinstatement 12 Months	D1X73LL
IBM SPSS Modeler Server for Data Science Experience Linux on System Z Processor Value Unit (PVU) Monthly License	D1X74LL

Cross-platform product for use on z Systems

Order the part numbers that follow when the product is used for either the development of code that will be deployed on the IBM Z platform or when the product will be communicating or transferring data between a distributed server and an IBM Z mainframe. Otherwise, order from the other set of part numbers in this announcement. This set of part numbers provides the identical supply and authorization as the other set in this announcement.

IBM Data Science Experience Local (5737-D37)

Part description	Part number
IBM Data Science Experience Local Model Management and Deployment Virtual Server IBM Z License + SW Subscription & Support 12 Months	D1X3NLL
IBM Data Science Experience Local Model Management and Deployment Virtual Server IBM Z Annual SW Subscription & Support Renewal	E0P8GLL
IBM Data Science Experience Local Model Management and Deployment Virtual Server IBM Z SW Subscription & Support Reinstatement 12 Months	D1X3PLL
IBM Data Science Experience Local Model Management and Deployment Virtual Server IBM Z Monthly License	D1X3QLL

For additional ordering information regarding Data Science Experience Local, see Software Announcement [AP17-0447](#), dated September 12, 2017.

Charge metric

Program name	Part number or PID number	Charge metric
IBM Data Science Experience Local	5737-D37	Authorized User

Metric definition

Authorized User: *Authorized User* is a unit of measure by which the Program can be licensed. An *Authorized User* is a unique person who is given access to the Program. The Program may be installed on any number of computers or servers and each Authorized User may have simultaneous access to any number of instances of the Program at one time. Licensee must obtain separate, dedicated entitlements for each Authorized User given access to the Program in any manner directly or indirectly (for example, through a multiplexing program, device, or application server) through any means. An entitlement for an Authorized User is unique to that Authorized User and may not be shared, nor may it be reassigned other than for the permanent transfer of the Authorized User entitlement to another person.

Terms and conditions

The terms and conditions for Data Science Experience Local, as previously announced in Software Announcement [AP17-0007](#), dated April 18, 2017, are unchanged.

Statement of good security practices

IT system security involves protecting systems and information through intrusion prevention, detection, and response to improper access from within and outside your enterprise. Improper access can result in information being altered, destroyed, or misappropriated or can result in misuse of your systems to attack others. Without a comprehensive approach to security, no IT system or product should be considered completely secure and no single product or security measure can be completely

effective in preventing improper access. IBM systems and products are designed to be part of a regulatory compliant, comprehensive security approach, which will necessarily involve additional operational procedures, and may require other systems, products, or services to be most effective.

Important: IBM does not warrant that any systems, products, or services are immune from, or will make your enterprise immune from, the malicious or illegal conduct of any party.

IBM Electronic Services

Electronic Service Agent™ and the IBM Electronic Support web portal are dedicated to providing fast, exceptional support to organizations that have IBM Systems. The IBM Electronic Service Agent tool is a no-additional-charge tool that proactively monitors and reports hardware events, such as system errors, performance issues, and inventory. The Electronic Service Agent tool can help you stay focused on your company's strategic business initiatives, save time, and spend less effort managing day-to-day IT maintenance issues. Servers enabled with this tool can be monitored remotely around the clock by IBM Support, all at no additional cost to you.

Now integrated into the base operating system of AIX® V5.3, AIX V6.1, and AIX V7.1, Electronic Service Agent is designed to automatically and electronically report system failures and utilization issues to IBM, which can result in faster problem resolution and increased availability. System configuration and inventory information collected by the Electronic Service Agent tool also can be viewed on the secure Electronic Support web portal, and used to improve problem determination and resolution by you and the IBM support team. To access the tool main menu, simply type `smitty esa_main`, and select Configure Electronic Service Agent. In addition, ESA now includes a powerful web user interface, giving the administrator easy access to status, tool settings, problem information, and filters. For more information and documentation on how to configure and use Electronic Service Agent, go to the [IBM Support](#) website.

The IBM Electronic Support portal is a single internet entry point that replaces the multiple entry points traditionally used to access IBM internet services and support. This portal enables you to gain easier access to IBM resources for assistance in resolving technical problems. The My Systems and Premium Search functions make it even easier for organizations that are Electronic Service Agent tool-enabled to track system inventory and find pertinent fixes.

Benefits

Increased uptime: The Electronic Service Agent™ tool is designed to enhance the Warranty or Maintenance Agreement by providing faster hardware error reporting and uploading system information to IBM Support. This can translate to less wasted time monitoring the symptoms, diagnosing the error, and manually calling IBM Support to open a problem record. Its 24 x 7 monitoring and reporting mean human intervention is not required to report errors.

Security: The Electronic Service Agent tool is designed to be secure in monitoring, reporting, and storing the data at IBM. The Electronic Service Agent tool is designed to securely transmit either through the internet (HTTPS or VPN) or modem to provide organizations a single point of exit from their site. Communication is one way. Activating Electronic Service Agent does not enable IBM to call into an organization's system.

For additional information, go to the [IBM Electronic Service Agent](#) website.

More accurate reporting: Because system information and error logs are automatically uploaded to the IBM Support Center in conjunction with the service request, you are not required to find and send system information, decreasing the risk of misreported or misdiagnosed errors. Once inside IBM, problem error data

is run through a data knowledge management system and knowledge articles are appended to the problem record.

Customized support: Using the IBMid entered during activation, you can view system and support information in the "My Systems" and "Premium Search" sections of the [IBM Support](#) page.

My Systems provides valuable reports of installed hardware and software using information collected from the systems by Electronic Service Agent. Reports are available for any system associated with your IBMid. Premium Search combines the function of search and the value of Electronic Service Agent information, providing advanced search of the technical support knowledgebase. Using Premium Search and the Electronic Service Agent information that has been collected from your system, you are able to see search results that apply specifically to your systems.

For more information on how to utilize the power of IBM Electronic Services, contact your IBM Systems Services Representative, or go to the [IBM Support](#) website.

Prices

The prices are unchanged by this announcement.

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AP distribution

Country/Region	Announced
AP IOT	
ASEAN *	Yes
India/South Asia **	Yes
Australia	Yes
Hong Kong	Yes
Macao SAR of the PRC	Yes
Mongolia	Yes
New Zealand	Yes
People's Republic of China	Yes
South Korea	Yes
Taiwan	Yes
Japan IOT	

Country/Region	Announced
Japan	Yes

* Brunei Darussalam, Cambodia, Indonesia, Lao People's Democratic Republic, Malaysia, Myanmar, Philippines, Singapore, Thailand, Timor-Leste, and Vietnam

** Bangladesh, Bhutan, India, Maldives, Nepal, and Sri Lanka

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