IBM IoT Predictive Maintenance and Optimization V1.0.1 adds IBM SPSS Modeler V18.1 to enhance analytics capabilities, and changes support for projects with Hadoop-based requirements

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At a glance

IBM® IoT Predictive Maintenance and Optimization provides a suite of data ingestion, analytics, visualization, and reporting capabilities to manufacturers and operators of connected assets to provide insight into the health of their assets. The program includes a line of business application which offers asset insight and analytics capabilities to help manufacturers predict degradation and failure of critical manufacturing equipment issues.

Version 1.0.1 of Predictive Maintenance and Optimization includes the following enhancements and changes:

- IBM SPSS® Modeler V18.1 is bundled with this release, improving analytics capabilities.
- Integrates to Hortonworks Data Platform (HDP) for Hadoop data lake access. BigInsights® is no longer included as part of this program. Organizations that require access to Apache Hadoop data lakes must obtain an entitlement to an alternative program such as IBM Big SQL.

Overview

IBM IoT Predictive Maintenance and Optimization V1.0.1 offers advanced analytics, business intelligence, dashboards, and visualization capabilities that enable organizations to develop applications with which to monitor, maintain, and optimize assets for better availability, utilization, and performance.

Version 1.0.1 of Predictive Maintenance and Optimization:

- Bundles IBM SPSS Modeler V18.1, which is a comprehensive data science platform for professional analysts and data scientists.
- Integrates to HDP for its Hadoop data lake capabilities. Existing BigInsights users will continue to be supported while remaining on previous versions of Predictive Maintenance and Optimization. Entitlements to BigInsights are no longer available. Organizations that have enterprise data lake requirements can consider using IBM Big SQL, which enables users to query Apache Hive and HBase data using ANSI-compliant SQL.

Predictive Maintenance and Optimization V1.0.1 includes a line of business application which offers asset insight and analytics capabilities to help manufacturers predict degradation and failure of critical manufacturing equipment issues earlier.
than traditional condition-based maintenance methods. This application requires the installation and configuration of HDP, which is available for download, installation, and use at no charge.

**Hortonworks Data Platform for IBM** is a support-only 12-month offering that delivers 24x7 technical support for HDP. An annual subscription for optional support is available for purchase through Passport Advantage® or Passport Advantage Express®.

### Key prerequisites

Refer to the *Software requirements* and *Hardware requirements* sections.

### Planned availability date

- September 22, 2017: Electronic download
- October 10, 2017: Physical media

### Reference information

For more information about Hortonworks, see the [Hortonworks News release, dated June 13, 2017](#).

For more information about IBM Big SQL, see Software Announcement 217-372, dated July 11, 2017.

### Program number

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<td>1.0.1</td>
<td>IBM IoT Predictive Maintenance and Optimization</td>
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### Publications

No publications are shipped with this program.

Documentation is published in [IBM Knowledge Center](#).

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Technical information

Specified operating environment

Hardware requirements
See the Software requirements section.

Software requirements

- Operating system for server: Red Hat Enterprise Linux™ 7.2 (x86-64)

Planning information

Packaging
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Product group: Internet of Things
Product: IBM IoT Predictive Maintenance and Optimization
Product category: IBM IoT for Manufacturing Private

Passport Advantage

IBM IoT Predictive Maintenance and Optimization ordering information can be found in Software Announcement 217-235, dated June 13, 2017.

Passport Advantage customer: Media pack entitlement details
Customers with active maintenance or subscription for the products listed are entitled to receive the corresponding media pack.

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**Limited warranty**

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Variable charges apply

No

Educational allowance available

Not applicable.

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**Prices**

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