IBM Maximo Worker Insights adds optional cloud service to enable line-of-business users to enrich, augment, and interact with raw data from IoT devices, sensors, and wearables, analytical measures, and configurable business rules to improve worker safety

Table of contents

<table>
<thead>
<tr>
<th>1</th>
<th>Overview</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>Key requirements</td>
</tr>
<tr>
<td>2</td>
<td>Planned availability date</td>
</tr>
<tr>
<td>2</td>
<td>Description</td>
</tr>
<tr>
<td>3</td>
<td>Program number</td>
</tr>
<tr>
<td>3</td>
<td>Publications</td>
</tr>
<tr>
<td>4</td>
<td>Technical information</td>
</tr>
<tr>
<td>4</td>
<td>Ordering information</td>
</tr>
<tr>
<td>5</td>
<td>Terms and conditions</td>
</tr>
<tr>
<td>6</td>
<td>Prices</td>
</tr>
<tr>
<td>7</td>
<td>Order now</td>
</tr>
</tbody>
</table>

Overview

IBM® Maximo® Worker Insights is a fully managed cloud service offering that collects and analyzes Internet of Things (IoT) data from devices, sensors, and wearables and provides contextual data for meaningful analytics in the workplace.

Maximo Worker Insights cloud service solution uses IBM IoT data from wearables, environmental sensors, and other data to help improve workplace safety, drive compliance with safety policies, and help clients implement these safety policies as shields, and protect workers from risks. IoT technology and the advanced analytics of the Maximo Worker Insights are used to enhance the human experience, enabling workers to automate and improve efforts to "Think, Inform, and Act" in the workplace. IBM infuses cognitive computing into safety planning initiatives to enable greater use of digital data and drive toward more proactive and personalized safety programs.

New features, functions, and enhancements

Maximo Worker Insights with IoT Platform Analytics Service is an optional add-on that enables line-of-business users to easily enrich, augment, and interact with the raw data that is managed within IBM Maximo Worker Insights, including additional analytical measures and configurable business rules to get a better view of their operations and business KPIs that are related to worker safety.

The Maximo Worker Insights with IoT Platform Analytics Service:

- Offers support for creating, monitoring, and enforcing business-relevant analytic functions
- Provides a user interface that automates the workflow of gathering input data for analytic function calculation from multiple sources; defining input data to perform calculations; acting on the calculated values; and storing the calculated results
- Enables developers to create and publish custom analytic predictive functions through a python-based API that helps improve adherence to regulations through machine learning

A license option for nonproduction environments is also available. This allows for more direct support of pilots and proof of concept environments, development environments, and test environments.
Key requirements

- Internet connection
- Browser

Information about key prerequisites is available in IBM Knowledge Center.

Planned availability date

March 26, 2019

Description

**Features of Maximo Worker Insights**

**Maximo Worker Insights dashboard**

The Maximo Worker Insights dashboard gives the client a complete view of risk involving their employees. Site maps can be uploaded to put the location data in correct perspective. The dashboard provides analytics on hot spots where hazards are detected as well as a breakdown of types of hazards detected. Clients have the capability to adjust the parameters of a shield, determine which shields to use, and define any customer actions.

**REST and real-time APIs**

The REST APIs are used by the Maximo Worker Insights mobile app, the insurance dashboard, the shield engine, and the hazard controller. They enable users to know the associations that exist between devices, shields, and actions. By using the APIs, programmers can create new users, generate event data, create and register new shields, and fetch event data.

**Data collection and normalization**

Maximo Worker Insights provides functionality that can be rapidly integrated into various IoT devices in the market. Data is collected from different devices, normalized in a standard format, and then published for use by Maximo Worker Insights, improving the various analytics and predictive or proactive protection.

**Weather Company data transformer**

The Weather Company application injects relevant weather data from the Weather Company Data Service into the Maximo Worker Insights data stream. This data can then be used to build weather-enabled shields.

**Shield engine**

Based on the information that is stored in an event, the shield engine determines if a hazard such as a water leak occurred. If a hazard is identified, it is passed to the Action engine.

A shield is a specific protection that the Maximo Worker Insights clients provide to their consumers (home owners, policy holders, employees). For example, an insurance company can provide proactive protection to home policy holders to assist in predicting the probability of black mold. The homeowner is alerted and can take steps to minimize the potential risk. The Maximo Worker Insights solution provides built-in shields, as well as the capability to define and customize the analytical shields.
Shields run in the Maximo Worker Insights analytics engine. The analytics engine identifies the type of hazard (for example, "Water is detected"), the user account of the sensor that is sent the hazard, and the shields that are associated with the account. Action can be taken based on that information. Through the use of a shield toolkit, insurance providers can use or modify the shields that are included in the Maximo Worker Insights shields library or they can create and implement their own shields.

**Action engine**

The action engine determines the actions to take based on the information that is specified in the shield. The different actions can be customized and adjusted based on the customer interaction models.

**Maximo Worker Insights employee and supervisor apps**

For Maximo Worker Insights, the mobile app is where employees and supervisors view and respond to the information that Maximo Worker Insights sends from the sensors in their workplace. Using a mobile device, employees and employers authorize the service to connect to the sensor provider's device.

**IBM Maximo Worker Insights with IoT Platform Analytics Service**

IBM Maximo Worker Insights with IOT Platform Analytics Service is an optional add-on that enables users to easily enrich, augment, and interact with the raw data from wearables, sensors and devices managed within IBM Maximo Worker Insights and then further build additional analytical measures and configurable business rules to get a better view of their operations and business KPIs related to worker safety.

It includes a license option for nonproduction environments. This will provide clients benefit of lowered cost of evaluating proofs of concepts, executing short-term pilots or adding on development, test environments.

Analytics/Data Science team developers within client organizations can use the optional add-on service to build and publish custom analytic predictive functions thru python-based API. They can also leverage easy to use, user-interface driven management and automation of data management workflows required for the analytic function computations; input data processing; data transformations; persistence of the output computed results.

The set of capabilities support end to end process of creating, monitoring and enforcing analytic functions related to insights for managing worker safety processes.

**Accessibility by people with disabilities**

A US Section 508 Accessibility Compliance Report containing details on accessibility compliance can be found on the [Product accessibility information](#) website.

<table>
<thead>
<tr>
<th>Program number</th>
<th>VRM</th>
<th>Program name</th>
</tr>
</thead>
<tbody>
<tr>
<td>5900-A00</td>
<td>Cloud Service</td>
<td>IBM Maximo Worker Insights</td>
</tr>
</tbody>
</table>

**Publications**

No publications are shipped with this program.

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

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Services

Software Services

IBM Software Services has the breadth, depth, and reach to manage your services needs. You can leverage the deep technical skills of our lab-based, software services team and the business consulting, project management, and infrastructure expertise of our IBM Global Services team. Also, we extend our IBM Software Services reach through IBM Business Partners to provide an extensive portfolio of capabilities. Together, we provide the global reach, intellectual capital, industry insight, and technology leadership to support a wide range of critical business needs.

To learn more about IBM Software Services, contact your Lab Services Sales or Delivery Leader.

Technical information

Specified operating environment

Hardware requirements

None

Software requirements

- Internet connection
- Browser

Planning information

Packaging

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

Ordering information

For ordering information, consult your IBM representative or authorized IBM Business Partner, or go to the Passport Advantage website.

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

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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.

Passport Advantage

IBM Maximo Worker Insights (5900-A0O)

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<thead>
<tr>
<th>Part description</th>
<th>Part number</th>
</tr>
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<tbody>
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<td>D01FBZX</td>
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</tbody>
</table>

### Charge metric

Definitions of the charge metrics for this cloud service can be found in the following Service Description document:

<table>
<thead>
<tr>
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<th>Service Description document title</th>
<th>Service Description document number</th>
</tr>
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<td>7777-06</td>
</tr>
</tbody>
</table>

Select your language of choice and scroll down to the Charge Metrics section.

Follow-on levels of this cloud service, if any, may have updated charge metrics. See the Cloud Services terms website. Search using the four-digit base Service Description number and scroll down to the Charge Metric section.

### Terms and conditions

The information provided in this announcement letter is for reference and convenience purposes only. The terms and conditions that govern any transaction for the acquisition of cloud services from IBM consist of either the IBM Cloud™ Services Agreement and the applicable offering Service Description or the IBM International Passport Advantage® Agreement or the International Passport Advantage Express® Agreement and the IBM Terms of Use - General Terms for Cloud Offerings and the applicable offering Service Description.

### Technical support

Technical support is provided for cloud services and enabling software, as applicable, during the subscription period. Any enhancements, updates, and other materials provided by IBM as part of any such technical support are considered to be part of the cloud service, as applicable, and therefore governed by the applicable agreement as defined in client's quote or transaction document. Technical support is included with the cloud service and is not available as a separate offering.

Additional technical support information for this cloud service offering may be found in the IBM Support Guide or in service-specific documentation.

### Service Description

The following service description document applies to the offering in this announcement.

<table>
<thead>
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<td>IBM Maximo Worker Insights</td>
<td>7777-06</td>
</tr>
</tbody>
</table>

See the Cloud Services terms website to find the Service Description that corresponds to the date of this announcement.

### Limited warranty

See the warranty defined in the applicable agreement governing client's acquisition for this offering.
Money-back guarantee

No

Volume orders (IVO)

No

Passport Advantage applies

Yes, information is available on the Passport Advantage<sup>®</sup> and Passport Advantage Express<sup>®</sup> website.

Usage restrictions

Yes

See Service Description 7777-06 on the Cloud Services terms website for details about any applicable restrictions.

Educational allowance available

No

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.

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Prices

The prices are unchanged by this announcement.

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For questions regarding CVR, see the IBM Channel Value Rewards website.

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