IBM Intelligent Transportation on Cloud V1.6 now supports high-availability configurations for Intelligent Operations for Transportation component

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At a glance

IBM® Intelligent Transportation on Cloud V1.6 addresses the growing need for a software-centric solution for managing transportation business operations. It is based on aggregating information to obtain system-wide visibility and generating new insights enabled by advanced analytics to drive operational decisions.

Highlights of V1.6:

- Introduces high-availability capability for the Intelligent Operations for Transportation on IBM SmartCloud® component to help improve reliability and resiliency
- Offers capabilities for traffic and transit operations management that can help:
  - Gain real-time situational awareness of the network
  - Identify incidents and correct performance issues
  - Manage traffic conditions and transit schedule deviations proactively
  - Contribute significantly to improving the commuter experience

Overview

The IBM Intelligent Transportation family of solutions helps you manage transportation business operations that include traffic and transit management. IBM Intelligent Transportation on Cloud V1.6 is a Software as a Service (SaaS) offering that offers capabilities for the management of traffic operations in order to help reduce traffic congestion, improve incident response and traffic flow, and proactively manage traffic conditions to enhance the travel experience for commuters. It also offers capabilities for the management of transit operations, which can help to provide current situational awareness of the operations, identify and correct events and performance issues, and proactively manage schedule deviations. These capabilities will also contribute significantly to improve the commuter experience.

In addition, Intelligent Transportation on Cloud V1.6 is designed to be an ideal platform for building transportation management center solutions by leveraging a documented programming model to build integrations with data capture solutions and device control applications in the transportation domain. Further, it offers predictive analytics functionality that, in addition to helping traffic and transit operation roles, also enhances the ability of multimodal travel planning applications to help deliver more accurate information to citizens.
New in V1.6

Intelligent Transportation on Cloud V1.6 introduces high-availability capability that can help traffic organizations run mission-critical operation centers in their fail-safe environments. This new high-availability capability supports high-availability configurations for the Intelligent Operations for Transportation component to help improve reliability and resiliency.

Key prerequisites

For details, refer to the Technical information section.

Planned availability date

October 29, 2013

Refer to the Availability of national languages section for national language availability.

Description

By integrating and aggregating data from across geographic locations, sub-networks, and a variety of data and device types, IBM Intelligent Transportation on Cloud V1.6 can help provide situational awareness and critical insights to enhance operational role effectiveness. It turns data collected into valuable insights by supporting advanced transportation domain analytics.

The foundation of Intelligent Transportation on Cloud V1.6 is its Intelligent Operations for Transportation on IBM SmartCloud component. This component supports the transportation information model on top of which additional analytics and end-user value can be built. It also supports the basic platform for visualization and analysis of historical data patterns.

The highlight of Intelligent Transportation on Cloud V1.6 is the high-availability capability offered for the Intelligent Operations for Transportation on IBM SmartCloud component to help improve reliability and resiliency. This high-availability capability supports mission-critical deployments of traffic operations in fail-safe configurations.

Version 1.6 continues to offer:

- Integration of Intelligent Operations Center on Cloud into the base components.
- Intelligent Transit Analytics on IBM SmartCloud, which is a sub-domain, use-case focused component.
- User-based component codes to categorize and restrict access of functionality of the product based on operational roles.

Intelligent Transit Analytics on IBM SmartCloud requires, and has a functional dependency on, Intelligent Operations for Transportation on IBM SmartCloud.

In addition, Intelligent Transportation on Cloud V1.6 continues to offer:

- Graphical representation of current bus locations, estimated arrival times, and all other transit objects such as routes and stops
  - Graphical representation of schedule deviations for operators
  - Support for daily bus timetable changes
  - Schedule deviation analytics and key performance indicators (KPIs) for planners
• Traffic prediction scalability to 5,000 links

Intelligent Transportation on Cloud V1.6 is a product that is offered as several separate chargeable components. The base component is Intelligent Operations for Transportation on IBM SmartCloud that is available as two separate chargeable components with their own distinct part numbers as described below:

• Intelligent Operations for Transportation Premium User on IBM SmartCloud
• Intelligent Operations for Transportation Standard User on IBM SmartCloud

Premium Users

Premium Users are those who interact with the advanced functions of the software program (but not limited to), implement business process changes, set rules and thresholds, and define metrics and hierarchies. They have access to all administrative and advanced functions (refer to the User definition table).

The Premium User contains the program code (via media pack) and, therefore, you must purchase at least one Premium User before you can use Standard Users or the Transit Analytics component.

Standard Users

Standard Users are those who do not need advanced capability access to all of the functions of the software program and do not have administrative access. (Administrative personnel need to ensure that these restrictions are in place for Standard Users per the license terms of the software.) They are limited to certain functions (refer to the User definition table). You must purchase at least one Premium User before you can use Standard Users.

User definition table

The following user-function matrix shows a detailed view of the product functions that the Premium and Standard user categories are authorized to use. A "Y" indicates permitted to use and a blank indicates not permitted to use.

<table>
<thead>
<tr>
<th>Capability</th>
<th>Premium User</th>
<th>Standard User</th>
</tr>
</thead>
<tbody>
<tr>
<td>Visualization</td>
<td>Y</td>
<td>Y</td>
</tr>
<tr>
<td>Workflows, Standard Operating Procedures (SOPs)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Creating</td>
<td>Y</td>
<td></td>
</tr>
<tr>
<td>Modifying</td>
<td>Y</td>
<td></td>
</tr>
<tr>
<td>Tracking</td>
<td>Y</td>
<td>Y</td>
</tr>
<tr>
<td>Collaboration (all use cases)</td>
<td>Y</td>
<td>Y</td>
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<tr>
<td>Submit service required alerts and Events</td>
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<td></td>
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<tr>
<td>Create new, modify</td>
<td>Y</td>
<td>Y</td>
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<tr>
<td>Create thresholds</td>
<td>Y</td>
<td></td>
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<tr>
<td>Modify events</td>
<td>Y</td>
<td></td>
</tr>
<tr>
<td>Escalate, close incidents</td>
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<td>Y</td>
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<tr>
<td>Analytics and optimization</td>
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<td></td>
</tr>
<tr>
<td>Create and modify correlation rules</td>
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<td></td>
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<tr>
<td>Run analytic modules</td>
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<td>Creation</td>
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<td>Modification</td>
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<td>Updating configuration-layers</td>
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<td>Reports creation custom</td>
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Administrative functions

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<tr>
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<td>User interface changes</td>
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<td>Add, remove pages</td>
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<td>Update semantic model</td>
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<tr>
<td>User, role management</td>
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**Advantages of the Software as a Service (SaaS) model**

On-premise installations require resources from IT departments that need to understand the details of the solution components, manage those components, and provide ongoing maintenance of operating system and software patches, fixes, and upgrades. In a SaaS model, most of these burdens are dramatically reduced or eliminated. Intelligent Transportation on Cloud is hosted and managed by IBM, and cities subscribe to the service and access it through the Internet. This means you are not required to purchase and provision new hardware or worry about ongoing operating system and software maintenance.

With Intelligent Transportation on Cloud, provisioning and onboarding are streamlined. You can derive value from the service much more quickly than with a traditional on-premise installation. Connection to the service is as easy as accessing the Internet through a browser, and it can be accessed from anywhere. With lower initial costs and lower long term overhead, your limited budget and resources can focus on additional value-added services.

**Additional information**

To learn more about IBM Intelligent Transportation, visit

http://www.ibm.com/software/industry/intelligent-transportation/

To learn more about all of IBM Smarter City Solutions, visit

http://www.ibm.com/smartercities

**Accessibility by people with disabilities**

A US Section 508 Voluntary Product Accessibility Template (VPAT) containing details on accessibility compliance can be requested at


**Product positioning**

Intelligent Transportation on Cloud is just one of the IBM Smarter Cities® SaaS services designed to help make cities and government operate more effectively, efficiently, and essentially smarter.

IBM offers a suite of Smarter Cities and government solutions and SaaS services that can help cities and government agencies integrate information from disparate, instrumented systems and create an intelligent, interconnected environment that encourages collaboration, enhances efficiencies, and fosters effective decision making.

Intelligent Transportation on Cloud utilizes Intelligent Operations Center on Cloud to enable real-time communications and collaboration with other city agencies to coordinate actions and resolve issues in an efficient manner.

IBM can help cities optimize individual departments, including buildings, emergency management, energy, operations, public safety, transportation, and water, while facilitating seamless, cross-departmental integration.
Reference information

For information about the Intelligent Transportation V1.6 on-premise offering, refer to Software Announcement ZP13-0582, dated October 29, 2013.

Availability of national languages

<table>
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<tr>
<th>Language</th>
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<tr>
<td>French, German, Italian, Spanish, Russian, English</td>
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Program number

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<td>1.6.0</td>
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</table>

Education support

The IBM Software Training team separately offers a portfolio of education services to help you successfully deploy Intelligent Transportation on Cloud to achieve the maximum benefit. Education is a key component to ensuring software success.

IBM curriculum provides a unique training value built on exclusive product knowledge direct from IBM developers cemented with expert instructors, and flexible time and cost saving training options.

The IBM Software Training team works closely with product developers and services organizations to ensure that the courses we offer provide the most current technical and product information. IBM Software Training provides training for the entire IBM software portfolio that spans the spectrum of skills needs from introductory product overviews to advanced offerings. Hands-on labs let you work with fully functional versions of the software to round out your training experience.

Several training options are available, including instructor-led classroom offerings, virtual (online) classes, and self-paced training that let you train from your office.

Contact your IBM representative for course information.

Offering Information

Product information is available via the Offering Information website

http://www.ibm.com/common/ssi

Also, visit the Passport Advantage® website

http://www.ibm.com/software/passportadvantage
Publications

A Welcome Package is included with the service.

The IBM Intelligent Transportation Information Center provides Intelligent Transportation product documentation. The IBM Intelligent Transportation Information Center is available at

http://pic.dhe.ibm.com/infocenter/cities/v1r6m0/index.jsp

The IBM Publications Center

http://www.ibm.com/shop/publications/order

The Publications Center is a worldwide central repository for IBM product publications and marketing material with a catalog of 70,000 items. Extensive search facilities are provided. Payment options for orders are via credit card (in the US) or customer number for 50 countries. A large number of publications are available online in various file formats, and they can all be downloaded by all countries, free of charge, where IBM does business.

Technical information

Specified operating environment

Hardware requirements

- A monitor with a minimum of 1,280 by 800 resolution
- A workstation with a minimum of 2 GB of memory
- Network access with sufficient bandwidth for complex web client generation and continuous data updates

Software requirements

Intelligent Transportation on Cloud V1.6 incorporates Intelligent Operations Center on Cloud V1.6 and the software requirements for it.

In addition to an Internet connection, Intelligent Transportation on Cloud V1.6 requires:

- Intelligent Operations Center on Cloud (5725-D72). The Intelligent Operations for Transportation V1.6 components include Intelligent Operations Center as a bundled software license eliminating the need to purchase it separately.
- A connection to a geographical information system (GIS) to display map-based information and to enable map-based interaction. Intelligent Transportation on Cloud is designed to support Environmental Systems Research Institute (Esri) ArcGIS Version 10.0. However, a service engagement can be used to enable alternative GIS applications.
- A connection to a Traffic Management Data Dictionary owner center is required to supply traffic data to Intelligent Transportation on Cloud.
- A connection to a Service Interface for Real-Time Information (SIRI) message source is required to supply transit data to Intelligent Transit Analytics on Cloud.
- One of the following browsers:
  - Microsoft™ Internet Explorer 9.x (32-bit only)
  - Mozilla Firefox ESR 17.0
  - Apple Safari 5.1 for Windows™
  - Apple Safari 6.0 for Mac OS X
  - Google Chrome 23
  - Google Chrome 24
The program's specifications and specified operating environment information may be found in documentation accompanying the program, if available, such as a readme file, or other information published by IBM, such as an announcement letter. Documentation and other program content may be supplied only in the English language.

**Limitations**

High-availability capability is not supported for IBM Cognos®, IBM Sametime®, and Intelligent Transit Analytics.

**Planning information**

**Packaging**

Intelligent Transportation on Cloud is accessed via the Internet. There are no physical or electronic deliverables.

**Security, auditability, and control**

Intelligent Transportation on Cloud uses the security and auditability features of the host operating system. The customer is responsible for evaluation, selection, and implementation of security features, administrative procedures, and appropriate controls in application systems and communication facilities.

**Global Technology Services®**

Contact your IBM representative for the list of selected services available in your country, either as standard or customized offerings for the efficient installation, implementation, or integration of this product.

**Ordering information**

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

Product group: Industry Solutions

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<td>5725-D73</td>
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For ordering information, consult your IBM representative or visit http://www-306.ibm.com/software/support/pa.html

**Passport Advantage**

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<td>IBM Intelligent Operations for Transportation Premium User on IBM SmartCloud Concurrent User per Month</td>
<td>D0YR9LL</td>
</tr>
<tr>
<td>IBM Intelligent Operations for Transportation Premium User on IBM SmartCloud Concurrent Daily Fee Partial Month</td>
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IBM Intelligent Transit Analytics on IBM SmartCloud per 50 Thousand Transportation Events per Month  

**Charge metric**

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<td>Per Concurrent User per Month</td>
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<tr>
<td>Intelligent Operations for Transportation on IBM SmartCloud</td>
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<td>Per 50 Thousand Transportation Events per Month</td>
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**Concurrent User**

Concurrent User is a unit of measure by which the IBM SaaS can be obtained. A Concurrent User is a person who is accessing IBM SaaS at any particular point in time. Regardless of whether the person is simultaneously accessing IBM SaaS multiple times, the person counts only as a single Concurrent User. Client must obtain an entitlement for each simultaneous Concurrent User accessing IBM SaaS in any manner directly or indirectly (for example, via a multiplexing program, device, or application server) through any means during the measurement period specified in Client's Proof of Entitlement (POE) or Transaction Document.

**Note:** Some IBM SaaS may be licensed where devices are considered users. In that case, the following applies. Any computing device that requests the execution of or receives for execution a set of commands, procedures, or applications from the IBM SaaS or that is otherwise managed by the IBM SaaS is considered a separate user of the IBM SaaS and requires an entitlement as if that device were a person.

**Transportation Event**

The total number of Transportation Events accessed or managed by the IBM SaaS per calendar month. A Transportation Event is an operational data feed event provided to the IBM SaaS from any type of transportation related resource or item of value to be managed.

**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 with IBM are contained in the applicable contract documents such as the IBM International Passport Advantage Agreement and the IBM SaaS Terms of Use Agreement.

This product is only available via Passport Advantage. It is not available as shrinkwrap.
**Licensing**

**Subscription:** This offering requires a customer-signed IBM International Passport Agreement and IBM SaaS Terms of Use Agreement. The Terms of Use Agreement outlines the terms of this offering.

**Technical support:** Technical support is provided for the IBM SaaS 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 IBM SaaS or enabling software, as applicable, and, therefore, governed by these Terms of Use. Technical support is included with the IBM SaaS and is not available as a separate offering.

Refer to additional technical support information in the IBM SaaS Terms of Use document for the program.

**Terms of Use**

The program’s Terms of Use document is available on the IBM SaaS Terms of Use website


**Limited warranty applies**

Yes

**Limited warranty**

IBM warrants that IBM SaaS will conform to the specifications contained in the Terms of use. Such specifications may be supplied only in the English language, unless required by local law, without the possibility of contractual waiver or limitation. The warranty will not apply to the extent that there has been misuse, accident, modification, unsuitable physical or operating environment, or improper maintenance by Customer of a third party, or failure or damage caused by a product for which IBM is not responsible. IBM does not warrant uninterrupted or error-free operation of the service or that IBM will correct all service defects. You are responsible for the results obtained from the use of the service.

**Other terms**

**Volume orders (IVO)**

No

**IBM International Passport Advantage Agreement**

**Passport Advantage applies**

Yes, and through the Passport Advantage website at

http://www.ibm.com/software/passportadvantage

**System i® Software Maintenance applies**

No

**Variable charges apply**

No

**Educational allowance available**

Education allowance does not apply.

Education software allowance does not apply.
Special education prices are available for qualified customers through Passport Advantage.

**Statement of good security practices**

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**Prices**

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**Passport Advantage**

For Passport Advantage and charges, contact your IBM representative. Additional information is also available at

http://www.ibm.com/software/passportadvantage

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http://www.ibm.com/planetwide/