IBM ILOG Transportation Analyst V2.6 creates transportation plans

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At a glance

IBM® ILOG® Transportation Analyst V2.6 determines optimal load consolidation, route sequences, and shipping schedules.

What is new:

• GUI controls that make use of Interactive Ribbon features
• Dynamic sizing for map objects
• Multiple scenarios that can be grouped into categories
• Data importing and exporting with support for Microsoft® Office 2010
• Modeling for sites, hubs, shipments, carrier charges
• Carriers that can now be forced to operate last in, first out, and a maximum idle time can be specified for a fleet
• A featured problem solver that offers visibility into skipped shipments and provides the flexibility to edit solutions
• Shipment report that displays the cost allocated to each shipment and the route ID vehicle lifetime report that displays the route ID of each trip made by a specific vehicle

For ordering, contact Your IBM representative or an IBM Business Partner.
For more information contact the Americas Call Centers at 800-IBM-CALL (426-2255).

Reference: SE001

Overview

IBM ILOG Transportation Analyst V2.6 is route planning software for vehicle routing and shipment planning that optimizes utilization of transportation assets. IBM ILOG Transportation Analyst features functionality to flexibly map routes, develop Gantt charts to show vehicle and site schedules, examine the costs and benefits of business rules, and to analyze the impact of network designs.

IBM ILOG Transportation Analyst helps you set constraints and manage data while visualizing schedules and assets. IBM ILOG Transportation Analyst creates state-of-the-art transportation plans for multi-site, multi-tier distribution networks, taking full advantage of routes, shipment consolidation, and backhauls to optimally use available capacity.

Features of IBM ILOG Transportation Analyst:
• Multiple transportation modes for private fleets with multi-stops, commercial truckloads with zone-to-zone rates, and integration with SMC3 RateWare software for less-than truckload tariffs.
• Multiple shipment types for forward and reverse shipments (backhauls), as well as cross shipments from one customer to another.
• Integration with PC*Miler software from ALK Technologies for distances and travel times
• Consolidation and deconsolidation hubs.
• Detailed transportation analysis following network design.
• Determine the impact on fleet size and multi-stop routes for new network structures.

IBM ILOG Transportation Analyst V2.6 enhancements:

• Improved interface elements, including GUI controls that make use of Interactive Ribbon features, dynamic sizing for map objects, and data forms and tabs that enable multiple forms to open at once.
• The ability to import and export data with support for Microsoft Office 2010.
• Improved modeling for sites, hubs, shipments, and carrier charges.

For additional information, visit


Key prerequisites

• Runs on selected levels of Microsoft Windows®, Microsoft Windows Servers, and Microsoft SQL Server databases.

Planned availability date

June 3, 2011: Electronic
July 1, 2011: Physical media pack

Description

To reduce shipping costs and improve service levels, companies must thoroughly analyze their transportation network strategies and compare multiple what-if scenarios. Existing transportation solutions focus on operational constraints and are typically too complex for strategic applications, while spreadsheet analysis is too limited to find the most economical solutions.

Companies that regularly transport materials or goods, such as retailers, shippers and manufacturers have several key questions they need to answer:

• What are the best routes?
• What are the opportunities for combining shipments and finding continuous moves?
• Which shipments should use private fleet, commercial truckload, or less than truckload?
• What size should the fleet be?
• What is the impact of back-hauls?
• How can running inbound and outbound transportation together save additional money?
• How does a new network strategy impact the routes, multi-stops, and transportation operations?
• How do we take advantage of hubs?
IBM ILOG Transportation Analyst answers these questions by providing the ability to quickly analyze different strategies and find the best plan to deliver products and utilize transportation assets. IBM ILOG Transportation Analyst assigns shipments to vehicles and sequences pickups and deliveries with the objective of minimizing costs while adhering to business and regulatory constraints. In short, companies deliver more reliably and accurately for less with IBM ILOG Transportation Analyst.

IBM Transportation Analyst helps companies address many key business objectives, including:

- Utilizing transportation assets efficiently and determining the most efficient use of private fleet to deliver shipments
- Determining the correct transportation mode and assigning shipments to private fleet, commercial truckload, or less than truckload to minimize total cost
- Examining the cost and benefits of business rules
- Performing what-if scenarios to test different rules for pickup and delivery windows, delivery frequency, and vehicle rules
- Analyzing impact of new network design to determine the impact on fleet size and multi-stop routes for new network structure
- Exploring opportunities for maximizing backhauls and use returning vehicles to transport goods

Accessibility by people with disabilities

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


Reference information

Refer to Software Announcement 210-128, dated April 13, 2010.

Program number

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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 Quick Start Guide is shipped with this product.

No other printed publications are shipped with this product.

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 U.S.) 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.

Technical information

Specified operating environment

Hardware requirements
Minimum system requirements

- 1.5 GHz processor
- 1 GB RAM
- 5 GB free hard drive space

Recommended system configuration

These requirements are highly dependent upon the size of planning models used:

- Dual or Quad Core processor - Multiple CPUs allow concurrent optimization runs.
- 4 GB RAM.
- 100 GB free hard drive space.
- Microsoft Excel 2000, or later for edit in Excel functionality

Software requirements
Operating systems

- Microsoft Windows XP SP2, or later
- Microsoft Windows Vista Business or Professional
- Microsoft Windows 7 Professional or Ultimate
- Microsoft Windows Server 2003
- Microsoft Windows Server 2008
- 64 bit of all operating systems supported

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.

Companion products

IBM ILOG LogicNet Plus and IBM Sterling Transportation Management System can be used to supplement this product.

Using IBM ILOG LogicNet Plus in conjunction with IBM ILOG Transportation Analyst allows firms to design the optimal distribution network with the right number, size, and location of warehouses and distribution facilities and understand how changes in strategic transportation plans impact overall supply chain performance including costs and service level trade-offs.

Using IBM Sterling Transportation Management System in conjunction with IBM ILOG Transportation Analyst enables transportation providers and shippers to make both long-term (strategic) and short-term (tactical) decisions while continuously
improving operational efficiency, reducing costs, and ultimately enhancing the overall customer fulfillment experience.

ILOG Transportation Analyst can feed data back into IBM Sterling Transportation Management System, thereby helping shippers become more efficient in setting up parameters and policies to better execute orders. For instance, if a company's network changes, they may decide to go with an intermodal approach vs. full truckload, or source from another warehouse. Companies need a sandbox tool for what-if scenarios to answer questions such as:

- How many trucks should I buy if I am going to have a private fleet?
- Should I merge these two facilities together?
- Should I bother to go collect back haul data?

These what-if scenarios work their way back into the Transportation Management System, solving a much larger challenge or problem for transportation managers.

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**Packaging**

The IBM ILOG Transportation Analyst product package contain:

- Product CD-ROMs, DVDs, or both
- Printed Quick Start Guide

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**Security, auditability, and control**

IBM ILOG products use 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.

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**Ordering information**

**Product group:** Supply Chain Management

**Product identifier** | **Product description**
--- | ---
5725-A03 | IBM ILOG Transportation Analyst

**Product category:** Sterling Commerce

**Charge metric**

**Program name** | **Part number or PID number** | **Charge metric**
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IBM ILOG Transportation Analyst | S725-A03 | Per User Value Unit

**User Value Unit (UVU)**

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## Passport Advantage

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