Changing the rules of business™

Dear ILOG Optimization Customer:

**Announcing the October 2008 Release of the ILOG Optimization Suite**

We appreciate your continued support of ILOG's optimization products and hope you will find the improvements and features of this release helpful.

Highlights of the new Optimization Suite product releases, OPL 6.1, ODM 3.1, CPLEX 11.2, and CP Optimizer 2.1, are listed below. More details can be found in the Release Notes of each product.

**ILOG OPL Development Studio 6.1**

- *Extended platform support*
  - OPL IDE supported on Windows 64 bit
  - OPL interfaces for .NET supported on Windows 64 bit
- *Improved IDE functionality*
  - Search scope extended to work across single or multiple files, with wildcards and other criteria
  - Resource utilization and sequences for scheduling can be displayed in table format
  - Table views can be sorted by column for data and solution analysis
- *Improved robustness and memory consumption*
  - In particular for scheduling and multi-model techniques

**ILOG Optimization Decision Manager 3.1**

- *ODM Studio Enhancements (GUI)*
  - Row counters and line numbers in tables (only row counters in pivot tables)
  - Icons updated for improved usability
  - Improved layout to filter panels and table columns
- *New Application Samples*
  - *Supply-Demand* illustrates monthly balancing of Supply and Demand
  - *Unit Commitment* showcases scheduling of power generators for Utilities
  - Both include a "Sample Guide" and are complete with reusable code and model artifacts

**ILOG CPLEX 11.2**

- *New solution polishing interface*
  - Users can specify a variety of starting conditions for polishing – conditions that are analogous to but separate from the ones that terminate branch & cut
- *Multiple MIP starts*
  - Having multiple such starts increases the chance of one of them leading to a valid solution and allows installing the best of them as the incumbent
- *Conflict refiner for infeasible MIP Starts*
  - Useful in understanding why a given starting solution is infeasible for a model
  - Conversely, a known valid starting solution can be used to diagnose an error in the model itself if it renders that solution infeasible
- *Larger class of convex quadratic constraints*
  - CPLEX 11.2 accepts additional variations of formulations that can be translated into Second Order Cone Programs (SOCP)
- *Concert 2.7 Compatibility*

**ILOG CP Optimizer 2.1**

- *Concert 2.7 Compatibility*
- *Performance improvements*

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The ILOG Optimization Suite is a comprehensive collection of tools and engines for building interactive, custom scheduling and planning applications, for sale as standalone products in the case of the engines, or as development packages that have been assembled with your specific development objectives in mind.

**Optimization Engines**

- *ILOG CPLEX* – A mathematical programming engine that solves the full range of LP, MIP, QP, QCP, SOCP, and MIQCP problems.
- *ILOG CP Optimizer* - A constraint programming optimizer for detailed scheduling problems, as well as certain combinatorial optimization problems that cannot be easily linearized and solved using traditional mathematical programming methods.
- *ILOG CP – A* classic constraint programming engine that solves complex scheduling and routing problems. ILOG CP contains ILOG Solver, ILOG Scheduler and ILOG Dispatcher.

**Model & Application Development Tools**

- *ILOG OPL Development Studio* – A complete integrated development environment (IDE) and modeling language for rapid development and deployment of optimization models; OPL also supports application development with ILOG Optimization Decision Manager.
- *ILOG Optimization Decision Manager (ODM)* – An optimization application deployment platform, with capabilities to develop interactive decision support applications through OPL, and out of the box "what-if" analysis, scenario comparison and goal programming.

**Development Packages**

- *ILOG OPL-CPLEX-ODM Development System* – A development package that includes ILOG OPL Development Studio, ILOG ODM, ILOG CPLEX, and ILOG CP Optimizer. This is the recommended *model & application development and deployment* package for CPLEX and CP Optimizer.
- *ILOG OPL-CPLEX Development System* - A development package that includes ILOG OPL Development Studio, ILOG CPLEX, and ILOG CP Optimizer. This is the recommended *model development and deployment* package for CPLEX and CP Optimizer.
- *ILOG OPL-CPLEX Analyst Studio* – An option for analysts who need to build and run ILOG CPLEX and/or ILOG CP Optimizer models exclusively from the ILOG OPL IDE.

Finally, please remember our standard policy for support of old versions of our products: releases are supported for 2 years from the availability date of the replacement release. The specific dates are as follows:

| Product | Release | End of Maintenance |
|---|---|---|
| ILOG CP 1.0 | 09-Jan-2006 | 25-Jul-2008 |
| ILOG CP 1.1 | 25-Jul-2006 | 21-May-2009 |
| ILOG CP 1.2 | 21-May-2007 | 07-Nov-2009 |
| ILOG CP 1.3 | 07-Nov-2007 | 27-May-2010 |
| ILOG CP 1.4 | 26-May-2008 | Current Version |
| ILOG CP Optimizer 1.0 | 21-May-2007 | 07-Nov-2009 |
| ILOG CP Optimizer 1.1 | 07-Nov-2007 | 27-May-2010 |
| ILOG CP Optimizer 2.0 | 26-May-2008 | 10-Oct-2010 |
| ILOG CP Optimizer 2.1 | 09-Oct-2008 | Current Version |
| ILOG CPLEX 9.1 | 19-Apr-2005 | 09-Jan-2008 |
| ILOG CPLEX 10.0 | 09-Jan-2006 | 25-Jul-2008 |
| ILOG CPLEX 10.1 | 25-Jul-2006 | 21-May-2009 |
| ILOG CPLEX 10.2 | 21-May-2007 | 07-Nov-2009 |
| ILOG CPLEX 11.0 | 07-Nov-2007 | 27-May-2010 |
| ILOG CPLEX 11.1 | 26-May-2008 | 10-Oct-2010 |
| ILOG CPLEX 11.2 | 09-Oct-2008 | Current Version |
| ILOG ODM 1.0 | 25-Apr-2005 | 25-Jul-2008 |
| ILOG ODM 2.0 | 25-Jul-2006 | 08-Dec-2008 |
| ILOG ODM 2.1 | 08-Dec-2006 | 21-May-2009 |



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| | | |
|---|---|---|
| ILOG ODM 2.2 | 21-May-2007 | 07-Nov-2009 |
| ILOG ODM 2.5 | 07-Nov-2007 | 27-May-2010 |
| ILOG ODM 3.0 | 26-May-2008 | 10-Oct-2010 |
| ILOG ODM 3.1 | 09-Oct-2008 | Current Version |
| ILOG OPL Studio 3.7 | 17-Nov-2003 | 19-Apr-2007 |
| ILOG OPL Development Studio 4.0 | 19-Apr-2005 | 05-Sep-2007 |
| ILOG OPL Development Studio 4.1 | 05-Sep-2005 | 09-Jan-2008 |
| ILOG OPL Development Studio 4.2 | 09-Jan-2006 | 25-Jul-2008 |
| ILOG OPL Development Studio 5.0 | 25-Jul-2006 | 08-Dec-2008 |
| ILOG OPL Development Studio 5.1 | 08-Dec-2006 | 21-May-2009 |
| ILOG OPL Development Studio 5.2 | 21-May-2007 | 07-Nov-2009 |
| ILOG OPL Development Studio 5.5 | 07-Nov-2007 | 27-May-2010 |
| ILOG OPL Development Studio 6.0 | 26-May-2008 | 10-Oct-2010 |
| ILOG OPL Development Studio 6.1 | 09-Oct-2008 | Current Version |
| ILOG Dispatcher 4.1 | 19-Apr-2005 | 09-Jan-2008 |
| (Subsequent Dispatcher releases are part of ILOG CP) | | |
| ILOG Scheduler 6.1 | 19-Apr-2005 | 09-Jan-2008 |
| (Subsequent Scheduler releases are part of ILOG CP) | | |
| ILOG Solver 6.1 | 19-Apr-2005 | 09-Jan-2008 |
| (Subsequent Solver releases are part of ILOG CP) | | |

The standard maintenance support for OPL 3.7 ended in April 2007. It is currently recommended that you switch to OPL 6.1 from OPL 3.7 if you have not already migrated forward.

Thank you for using ILOG Optimization products to help you develop your optimization applications. We value your business and are committed to creating the best possible products and services to meet your needs.

Sincerely,

The ILOG Optimization Team



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