



# IBM InfoSphere Optim Data Masking Solution V2.2 lets you mask and transform sensitive data

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## At a glance

The IBM® InfoSphere™ Optim™ Data Masking Solution provides extensive and effective capabilities for performing "mask in place" operations on sensitive data in nonproduction environments.

New versions of Optim Data Masking Solution provide organizations the ability to mask and transform sensitive data. These solutions:

- Substitute valid fictionalized values for confidential data and generate accurate test results
- Support efforts to comply with privacy regulations and corporate governance standards
- Support native access for Informix®

For ordering, contact your IBM representative, an IBM Business Partner, or IBM Americas Call Centers at 800-IBM-CALL (Reference: YE001).

## Overview

With IBM InfoSphere Optim Data Masking Solution, you can take steps to protect privacy while still providing realistic data for use in development, testing, or training. When you use Optim to mask confidential data, you help protect privacy and better safeguard shareholder value.

Optim's masking techniques include using arithmetic expressions, substrings, random or sequential number generation, date aging, and more.

The Optim components function as follows:

- The Optim Designer, based on the Eclipse platform, builds models and services needed by the management server and its proxies to execute data management operations. Optim services are published to a central registry and then assigned to a management server and proxy where they can be executed from the web-based manager. Optionally, Optim services can be executed locally from the Optim Designer in a test mode without the need to publish.
- The Optim Management Server, based on the Java™ Enterprise Edition (Java EE 6) platform, delegates the operations in an Optim service, set up in the Optim Designer, to one or more proxies and hosts the centralized repository for models and other information needed to orchestrate the workload.
- The Optim Proxy, based on web services, acts as a trusted extension of the management server, executing one or more Optim services.

- The Optim Manager is a web-based tool hosted by the management server.
- A database contains replacement data as well as predefined source and target data sources.

Features of Optim Data Masking Solution V2.2 include:

- Support for creating global data masking policies
- Rules-based data masking for dates, character and numeric values, email addresses, credit card numbers of the major credit card associations, and the national IDs of Canada, Spain, France, Italy, UK, and US
- Data Privacy Models for masking dates, characters and numbers, and personal identities
- Out-of-the-box replacement data for common attributes such as address, first name, last name, and company name
- Task-oriented UIs for consistent service execution
- Enhanced Scheduling interface
- Enhanced Database Driver upload interface
- Solution launchpad for ease of installation
- Improved diagnostics and messages
- Native database access for Informix
- Manager running from within the Designer can perform the following tasks:
  - Execute services
  - Publish services to registries
  - Export services to files

For more information on the IBM InfoSphere Optim family of products, visit

<http://www.ibm.com/software/data/data-management/optim/>

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## Key prerequisites

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The announced product runs on a variety of Microsoft® Windows®, UNIX®, and Linux® platforms.

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## Planned availability date

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May 27, 2011

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## Description

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IBM InfoSphere Optim Data Masking solution provides extensive capabilities for masking sensitive data more effectively across nonproduction environments, while still providing realistic data for use in development, testing, or training. With InfoSphere Optim Data Masking solution, users can apply a variety of proven data transformation techniques to replace sensitive real data with contextually accurate and realistic fictitious data. Users can mask data in a single database or across multiple related systems. Simple examples of the masking techniques in InfoSphere Optim include substrings, arithmetic expressions, random or sequential number generation, date aging, and concatenation. And the solution's context-aware masking capabilities help masked data retain the look and feel of the original information. Key capabilities include:

- Apply a range of masking techniques to transform personally identifying information and other confidential corporate data

- Leverage prepackaged data masking routines to transform complex data elements such as credit card numbers, email addresses, and national identifiers, while retaining their contextual meaning
- Substitute test environments with realistic, fictionalized data, creating a sandbox for application testing
- Consolidate and mask data from multiple interrelated applications to create a production-like test environment that accurately reflects end-to-end business processes
- Support efforts to comply with privacy regulations such as HIPAA, GLBA, DDP, PIPEDA, Safe Harbour, PCI DSS, and others
- Apply a single, scalable enterprise data management solution across applications, databases (DB2®, IMS™, VSAM/SEQ, Adabas, Informix, Oracle, Sybase, SQL Server, and XML), and platforms (Microsoft Windows, UNIX/Linux, and z/OS®)
- Apply a single, scalable solution across applications (Oracle E-Business Suite, PeopleSoft Enterprise, Siebel, JD Edwards EnterpriseOne, SAP, and AmdocsCRM), databases (DB2, Informix, Oracle, Sybase, SQL Server, and XML) and platforms (Windows, UNIX/Linux, and z/OS)

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### Accessibility by people with disabilities

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

[http://www.ibm.com/able/product\\_accessibility/index.html](http://www.ibm.com/able/product_accessibility/index.html)

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### Program number

Program number	VRM	Program name
5724-U98	V2.2	IBM InfoSphere Optim Data Masking Solution

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### Education support

#### IBM Training

Available from IBM Training, the newest offerings to support your training needs, enhance your skills, and boost your success with IBM software. IBM offers a complete portfolio of training options, including traditional classroom, private on site, and eLearning courses. Many of our classroom courses are part of IBM's "Guaranteed to run program," ensuring your course will never be canceled. We have an eLearning portfolio for Instructor-Led Online (ILO) courses. A perfect complement to classroom training, our eLearning portfolio offers something for every need and every budget; simply select the style that suits you.

Be sure to take advantage of our custom training plans to map your path to acquiring skills. Enjoy further savings when you purchase training at a discount with an IBM Education Pack - online account - flexible and convenient way to pay, track, and manage your education expenses online.

The following key education resources have been updated to reflect IBM InfoSphere Optim Data Masking Solution. Check your local Information Management Training and Education website or with your training representative for the most recent training schedule.

Course title	Classroom	Instructor-led online
Using InfoSphere Optim Data Masking Solution	DT31	3T31

Descriptions of courses for IT professionals and managers are available at

[http://www.ibm.com/services/learning/ites.wss/tp/en?pageType=tp\\_search](http://www.ibm.com/services/learning/ites.wss/tp/en?pageType=tp_search)

Call IBM training at 800-IBM-TEACH (426-8322) for catalogs, schedules, and enrollments.

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## Offering Information

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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>

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## Publications

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All product publications are provided in softcopy format on the product CD-ROMs and DVDs.

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## Technical information

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### Specified operating environment

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#### *Hardware requirements*

For hardware requirements, refer to the [Software requirements](#) section.

#### *Software requirements*

For information on software requirements, refer to

<http://www.ibm.com/support/docview.wss?uid=swg27020911>

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.

### Planning information

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#### *Packaging*

The media pack for IBM InfoSphere Optim Data Masking Solution includes:

- Product code and documentation on DVD
- A Quick Start Guide in hardcopy format
- IBM InfoSphere Blueprint Director V2.0 on CD
- A License Information document in hardcopy format

#### *Security, auditability, and control*

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The InfoSphere Optim family of products uses 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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## Software Services

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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.

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Product group: Optim

Product Identifier Description (PID)

5724-U98: IBM InfoSphere Optim Data Masking Solution

### **Charge metric**

PID number	Charge metric	Program name
5724-U98	Processor Value Unit	IBM InfoSphere Optim Data Masking Solution

### **Processor Value Unit (PVU)**

Processor Value Unit (PVU) is a unit of measure by which the program can be licensed. The number of PVU entitlements required is based on the processor technology (defined within the PVU Table by processor value, brand, type, and model number at the following website and the number of processors made available to the program.

[http://www.ibm.com/software/lotus/passportadvantage/pvu\\_licensing\\_for\\_customers.html](http://www.ibm.com/software/lotus/passportadvantage/pvu_licensing_for_customers.html)

IBM continues to define a processor, for the purpose of PVU-based licensing, to be each processor core on a chip. A dual-core processor chip, for example, has two processor cores.

Licensee can deploy the program using either Full Capacity licensing or Virtualization Capacity (Sub-Capacity) licensing according to the Passport Advantage Sub-Capacity Licensing Terms (see webpage below). If using Full Capacity licensing, Licensee must obtain PVU entitlements sufficient to cover all activated processor cores<sup>1</sup> in the physical hardware environment made available to or managed by the program,

except for those servers from which the program has been permanently removed. If using Virtualization Capacity licensing, Licensee must obtain entitlements sufficient to cover all activated processor cores made available to or managed by the program, as defined according to the Virtualization Capacity License Counting Rules at

[http://www.ibm.com/software/lotus/passportadvantage/Counting\\_Software\\_licenses\\_using\\_specific\\_virtualization\\_technologies.html](http://www.ibm.com/software/lotus/passportadvantage/Counting_Software_licenses_using_specific_virtualization_technologies.html)

<sup>1</sup> An Activated processor core is a processor core that is available for use in a physical or virtual server, regardless of whether the capacity of the processor core can be or is limited through virtualization technologies, operating system commands, BIOS settings, or similar restrictions.

**Notes:**

- Some programs may require licenses for the program and what is being managed. In that case, the following applies: In addition to the entitlements required for the program directly, Licensee must obtain PVU entitlements for this program sufficient to cover the processor cores managed by the program.
- Some programs may be licensed on a managed basis only. In that case, the following applies: Instead of the entitlements required for the program directly, Licensee must obtain PVU entitlements for this program sufficient to cover the processor cores managed by the program.
- A few programs on an exception basis may be licensed on a referenced basis. In that case, the following applies: Rather than obtaining entitlements for the activated processor cores available to the program, Licensee must obtain PVU entitlements for this program sufficient to cover the environment made available to the referenced program as if the program itself were executing everywhere the referenced program was executing, independent of the basis on which the referenced program is licensed.
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**Passport Advantage**

IBM InfoSphere Optim Data Masking Solution (5724-U98)

Part number	Program name/Description
BB170ML	IBM InfoSphere Optim Data Masking Solution V2.2 Multiplatform English Media Pack
D08FDLL	IBM InfoSphere Optim Data Masking Solution Processor Value Unit Lic+SW S&S 12 Mo
E06LJLL	IBM InfoSphere Optim Data Masking Solution Processor Value Unit Annual SW S&S Rnw1
D08FELL	IBM InfoSphere Optim Data Masking Solution Processor Value Unit SW S&S Reinstate 12 Mo

**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.

**IBM InfoSphere Optim Data Masking Solution (5724-U98)**

Entitled maintenance offering description	Media pack description	Part number
IBM InfoSphere Optim Data Masking Solution	IBM InfoSphere Optim Data Masking Solution Multiplatform English Media Pack V2.2	BB170ML

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### ***License Information form number***

L-TDEN-8DQ347

The program's License Information will be available for review on the IBM Software License Agreement website

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### ***Limited warranty applies***

Yes

### ***Limited warranty***

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### ***Money-back guarantee***

If for any reason you are dissatisfied with the program and you are the original licensee, you may obtain a refund of the amount you paid for it, if within 30 days of your invoice date you return the program and its PoE to the party from whom you obtained it. If you downloaded the program, you may contact the party from whom you acquired it for instructions on how to obtain the refund.

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### ***Volume orders (IVO)***

No

### ***Passport Advantage applies***

Yes, and through the Passport Advantage website at

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***System i Software Maintenance applies***

No

***Variable charges apply***

No

***Educational allowance available***

Not applicable.

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Reference: YE001

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