



# IBM InfoSphere Guardium Data Encryption V2.0 secures data through encryption to help you meet rigorous data governance and compliance requirements

## Table of contents

<b>1</b>	<a href="#">Overview</a>	<b>3</b>	<a href="#">Technical information</a>
<b>2</b>	<a href="#">Key prerequisites</a>	<b>4</b>	<a href="#">Ordering information</a>
<b>2</b>	<a href="#">Planned availability date</a>	<b>7</b>	<a href="#">Terms and conditions</a>
<b>2</b>	<a href="#">Description</a>	<b>10</b>	<a href="#">Prices</a>
<b>3</b>	<a href="#">Program number</a>	<b>11</b>	<a href="#">Announcement countries</a>
<b>3</b>	<a href="#">Publications</a>		

## At a glance

InfoSphere® Guardium® Data Encryption V2.0 secures data through encryption to help meet rigorous data governance and compliance requirements.

Benefits include:

- Centralized key management, policy management, and audit capabilities
- Strong separation of duties and compliance readiness
- Minimal performance impact to databases and applications

InfoSphere Guardium Data Encryption V2.0 offers enhancements in the following areas:

- Provides broad encryption support for heterogeneous database environments, including support for DB2®, Informix®, Oracle, SQL Server, Sybase, and MySQL
- Provides encryption on sensitive files
- Improved performance through use of hardware encryption technologies such as Intel's AES-NI and SPARC Niagara Crypto accelerators when available, as well as software enhancements

## Overview

InfoSphere Guardium Data Encryption V2.0 helps secure enterprise data in databases and file systems. It provides key management, encryption, and access control for data at rest across distributed systems, all of which can be managed from a centralized data security console. It is a high-performance solution designed to transparently integrate into Linux™, UNIX™, and Microsoft™ Windows™ heterogeneous environments.

For more information on IBM® InfoSphere Guardium Data Encryption, visit

<http://www.ibm.com/software/data/guardium/encryption-expert/>

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

<http://www.ibm.com/software/data/guardium/>

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## Key prerequisites

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

The announced product requires prerequisite software available from Vormetric Inc.

For information about Vormetric, visit

<http://www.vormetric.com>

Vormetric is not affiliated or associated with IBM . Vormetric software products and licenses are subject to change in accordance with the policies and procedures of Vormetric.

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## Planned availability date

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August 14, 2012

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## Description

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Data security threats and related incidents, such as breaches, can harm any organization. Private and confidential information is sought after for profit, business advantage, malicious use, and both industrial and government espionage. Data breaches negatively impact organizations in a variety of ways, including increased costs, loss of brand reputation and revenue, inability to conduct business, and loss of corporate secrets. To protect private and confidential information, security teams are increasingly using encryption to improve their defense-in-depth controls around these data assets and comply with industry and government regulations.

InfoSphere Guardium Data Encryption provides a comprehensive solution for key management and encryption of data at rest. It offers strong data security controls through policy-based access controls, separation of duties, and auditing capabilities, all of which can be maintained from a centralized management console.

Key features are designed to support the ability to:

- Protect database and file systems with comprehensive encryption solutions
- Provide centralized administration of encryption keys and data security policies
- Allow for strong separation of duties
- Implement quickly without the need to re-architect databases, applications, or files
- Encrypt at high speeds
- Control which keys are used, and audit key usage

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### Accessibility by people with disabilities

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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

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Program number	VRM	Program name
5724-R38	V2.0	InfoSphere Guardium Data Encryption

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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.

In addition, a hardcopy License Information document is shipped with this product.

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## Technical information

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### **Specified operating environment**

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#### ***Hardware requirements***

For information on 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=swg27027174>

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***

InfoSphere Guardium Data Encryption V2.0 (5724-R38) is distributed with:

- Product code and documentation on CD and DVD
- Quick Start Guide in hardcopy format
- Hardcopy License Information document

## Security, auditability, and control

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InfoSphere Guardium Data Encryption uses the security and auditability features of the host software. 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

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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.

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## Ordering information

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

These products may only be sold directly by IBM or by authorized IBM Business Partners for Software Value Plus.

For more information about IBM Software Value Plus, visit

<http://www.ibm.com/software/info/itsolutions/softwarevalueplus/>

To locate IBM Business Partners for Software Value Plus in your geography for a specific Software Value Plus portfolio, contact your IBM representative.

Product group: Guardium  
Product Identifier Description 5724-R38  
InfoSphere Guardium Data Encryption

Product category: Guardium

For ordering information, consult your IBM representative or authorized IBM Business Partner, or visit

<http://www-306.ibm.com/software/support/pa.html>

### **Charge metric**

PID number	Charge metric	Program name
5724-R38	Processor Value Unit	InfoSphere Guardium Data Encryption

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

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 website below) and the number of processors made available to the program. 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. The PVU table can be found at

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

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 (refer to the web page 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.

#### Passport Advantage

InfoSphere Guardium Data Encryption (5724-R38)

Part number	Program name/Description
BB1C9EN	InfoSphere Guardium Data Encryption Database Agent V2.0 Multiplatform English Media Pack
D61KCLL	InfoSphere Guardium Data Encryption Database Agent PVU Lic+SW S&S 12 Mo
E042KLL	InfoSphere Guardium Data Encryption Database Agent PVU Annual SW S&S Rnw1
D61KDLL	InfoSphere Guardium Data Encryption Database Agent PVU SW S&S Reinstate 12 Mo
BB1C8EN	InfoSphere Guardium Data Encryption File Agent V2.0 Multiplatform English Media Pack
D0S4ELL	InfoSphere Guardium Data Encryption File Agent PVU Lic+SW S&S 12 Mo
E0EBPLL	InfoSphere Guardium Data Encryption File Agent PVU Annual SW S&S Rnw1

### **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.

Entitled maintenance offering description	Media pack description	Part number
Database Encryption Expert for Linux, UNIX, Windows V1.1 Multiplatform English Media pack	InfoSphere Guardium Data Encryption Database Agent V2.0 Multiplatform English Media Pack	BB1C9EN

### ***Withdrawal of previous Passport Advantage part numbers***

The following IPLA software media pack part numbers are being replaced or are obsolete as a result of this announcement. The effective withdrawal date is August 14, 2012.

Orders for these part numbers will not be accepted after the stated effective date of withdrawal, nor will normal marketing activities or educational support be available unless previous agreement exists between the customer and IBM .

Withdrawn from marketing information

Program name/Description	Part number
Optim Data Encryption V1.1 Windows English Media Pack	BB000EN

New release information

Program name/Description	Part number
InfoSphere Guardium Data Encryption Database Agent V2.0 Multiplatform English Media Pack	BB1C9EN

### **On/Off Capacity on Demand (CoD)**

Part number	Description
D61KELL	InfoSphere Guardium Data Encryption Database Agent Proc Day OOCOD Temp Use Chrg
D0S76LL	InfoSphere Guardium Data Encryption File Agent Proc Day OOCOD Temp Use Chrg

### **Processor Value Unit (PVU) sub-capacity licensing**

This software product is eligible for sub-capacity licensing. Customers must accept the terms of the IBM International Passport Advantage Agreement Attachment for Sub-Capacity Licensing Terms (Attachment), and must obtain PVU Proofs of Entitlement (PoEs) for the maximum processor core capacity available to an eligible sub-capacity product when deployed in an eligible virtualization environment. This is also referred to as *sub-capacity* or *virtualization capacity licensing* .

Customers must use the IBM License Metric Tool unless they meet the exceptions described in the Attachment.

For information regarding PVU sub-capacity licensing, including terms and IBM License Metric Tool ordering information, visit

<http://www.ibm.com/software/lotus/passportadvantage/subcaplicensing.html>

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## Terms and conditions

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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 Program License Agreement, IBM International Passport Advantage Agreement, and the IBM Agreement for Acquisition of Software Maintenance.

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

### ***Licensing***

IBM International Program License Agreement including the License Information document and Proof of Entitlement (PoE) govern your use of the program. PoEs are required for all authorized use. Part number products only, offered outside of Passport Advantage , where applicable, are license only and do not include Software Maintenance.

This software license includes Software Subscription and Support (also referred to as Software Maintenance).

These programs are licensed under the IBM Program License Agreement (IPLA) and the associated Agreement for Acquisition of Software Maintenance, which provide for support with ongoing access to releases and versions of the program. IBM includes one year of Software Subscription and Support with the initial license acquisition of each program acquired. The initial period of Software Subscription and Support can be extended by the purchase of a renewal option, if available. These programs have a one-time license charge for use of the program and an annual renewable charge for the enhanced support that includes telephone assistance (voice support for defects during normal business hours), as well as access to updates, releases, and versions of the program as long as support is in effect.

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

Form number	Product number	Product name
L-TDEN-8UTV9	5724-R38	InfoSphere Guardium Data Encryption Database Agent
L-TDEN-8UU53W	5724-R38	InfoSphere Guardium Data Encryption File Agent

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

<http://www.ibm.com/software/sla/sladb.nsf>

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

Yes

### ***Limited warranty***

IBM warrants that when the program is used in the specified operating environment, it will conform to its specifications. The warranty applies only to the unmodified

portion of the program. IBM does not warrant uninterrupted or error-free operation of the program or that IBM will correct all program defects. You are responsible for the results obtained from the use of the program.

IBM provides you with access to IBM databases containing information on known program defects, defect corrections, restrictions, and bypasses at no additional charge. For further information, consult the IBM Software Support Handbook found at

<http://www.ibm.com/support/handbook>

IBM will maintain this information for at least one year after the original licensee acquires the program (warranty period).

### ***Program technical support***

Technical support of a program product version or release will be available for a minimum of three years from the general availability date, as long as your Software Subscription and Support (also referred to as Software Maintenance) is in effect. This technical support allows you to obtain assistance (via telephone or electronic means) from IBM for product-specific, task-oriented questions regarding the installation and operation of the program product. Software Subscription and Support also provides you with access to updates (modifications or fixes), releases, and versions of the program. You will be notified, via announcement letter, of discontinuance of support with 12 months' notice. If you require additional technical support from IBM, including an extension of support beyond the discontinuance date, contact your IBM representative or IBM Business Partner. This extension may be available for a fee.

### ***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.

For clarification, note that (1) for programs acquired under the IBM International Passport Advantage offering, this term applies only to your first acquisition of the program and (2) for programs acquired under any of IBM's On/Off Capacity on Demand (On/Off CoD) software offerings, this term does not apply since these offerings apply to programs already acquired and in use by you.

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

No

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

Yes, and through the Passport Advantage website at

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

### ***Usage restrictions***

Yes. For additional information, refer to the License Information document that is available on the IBM Software License Agreement website

<http://www.ibm.com/software/sla/sladb.nsf>

### ***Software Subscription and Support applies***

Yes. Software Subscription and Support (also referred to as Software Maintenance) is included with licenses purchased through Passport Advantage and Passport Advantage Express®. Product upgrades and Technical Support are provided by the Software Subscription and Support offering as described in the Agreements.



Product upgrades provide the latest versions and releases to entitled software and Technical Support provides voice and electronic access to IBM support organizations, worldwide.

IBM includes one year of Software Subscription and Support with each program license acquired. The initial period of Software Subscription and Support can be extended by the purchase of a renewal option, if available.

While your Software Subscription and Support is in effect, IBM provides you assistance for your routine, short duration installation and usage (how-to) questions, and code-related questions. IBM provides assistance via telephone and, if available, electronic access, only to your information systems (IS) technical support personnel during the normal business hours (published prime shift hours) of your IBM support center. (This assistance is not available to your end users.) IBM provides Severity 1 assistance 24 hours a day, 7 days a week. For additional details, consult your IBM Software Support Handbook at

<http://www.ibm.com/support/handbook>

Software Subscription and Support does not include assistance for the design and development of applications, your use of programs in other than their specified operating environment, or failures caused by products for which IBM is not responsible under the applicable agreements.

For additional information about the International Passport Advantage Agreement and the IBM International Passport Advantage Express Agreement, visit 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 .

#### ***On/Off Capacity on Demand (CoD)***

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To be eligible for On/Off CoD pricing, you must be enabled for temporary capacity on the corresponding hardware, and the required contract, Amendment for iSeries® and pSeries® Temporary Capacity On Demand - Software (Z125-6907), must be signed prior to use.

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### **Statement of good security practices**

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IT system security involves protecting systems and information through 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 comprehensive security approach, which will necessarily involve

additional operational procedures, and may require other systems, products, or services to be most effective. IBM does not warrant that systems and products are immune from the malicious or illegal conduct of any party.

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IBM has transformed its delivery of hardware and software support services to help you achieve higher system availability. Electronic Services is a web-enabled solution that offers an exclusive, no-additional-charge enhancement to the service and support available for IBM servers. These services are designed to provide the opportunity for greater system availability with faster problem resolution and preemptive monitoring. Electronic Services comprises two separate, but complementary, elements: Electronic Services news page and Electronic Services Agent.

The Electronic Services news page is a single Internet entry point that replaces the multiple entry points traditionally used to access IBM Internet services and support. The news page enables you to gain easier access to IBM resources for assistance in resolving technical problems.

The Electronic Service Agent™ is no-additional-charge software that resides on your server. It monitors events and transmits system inventory information to IBM on a periodic, client-defined timetable. The Electronic Service Agent automatically reports hardware problems to IBM. Early knowledge about potential problems enables IBM to deliver proactive service that may result in higher system availability and performance. In addition, information collected through the Service Agent is made available to IBM service support representatives when they help answer your questions or diagnose problems. Installation and use of IBM Electronic Service Agent for problem reporting enables IBM to provide better support and service for your IBM server.

To learn how Electronic Services can work for you, visit

<http://www.ibm.com/support/electronic>

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## Prices

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For all local charges, contact your IBM representative.

### **Business Partner information**

If you are an IBM Business Partner -- Distributor for Workstation Software acquiring products from IBM, you may link to Passport Advantage Online for resellers where you can obtain Business Partner pricing information. An IBM ID and password are required.

<https://www.ibm.com/software/howtobuy/passportadvantage/paoreseller/emea/channelannouncement>

### **Passport Advantage**

For Passport Advantage information and charges, contact your IBM representative, authorized IBM Business Partner, or authorized IBM Business Partner for Software Value Plus, if applicable. Additional information is also available at

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

## IBM Global Financing

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IBM Global Financing offers competitive financing to credit-qualified customers to assist them in acquiring IT solutions. Offerings include financing for IT acquisition, including hardware, software, and services, from both IBM and other manufacturers or vendors. Offerings (for all customer segments: small, medium, and large enterprise), rates, terms, and availability can vary by country. Contact your local IBM Global Financing organization or visit

<http://www.ibm.com/financing>

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## Announcement countries

All European, Middle Eastern, and African countries except Iran, Sudan, and Syria.

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