IBM Lotus Protector for Mail Security V2.8.3 extends email security and compliance for your social business platform

Overview

IBM Lotus Protector for Mail Security controls the email content that enters and leaves your organization's network to ensure a high level of email security and block spam and viruses. This software also provides integrated email content filtering for IBM Notes®, IBM Domino®, Microsoft® Exchange, and mixed email environments.

Enhanced functions of version V2.8.3:

- New delivery mechanism and server network for antivirus and antimalware updates. This process improvement allows new signatures to be deployed every few minutes instead of every hour. Additionally, the content delivery network (CDN) automatically adjusts the product's update frequency to provide updates as soon as they become available. These enhancements allow the product to provide an improved, faster response to emerging malware threats.
- Stream-based feature updates. Beginning with this product version, IBM Lotus Protector for Mail Security no longer receives large monolithic firmware updates (XPUs); instead, it streams smaller packages. These are delivered in separate "security update" and "feature update" streams that can be individually configured. As with previous versions, you continue to have full control over installation. This feature change allows for faster delivery of new functionality and improvements to the field.
- New interface to configure IP Reputation. You can now access the IP Reputation functionality using a new UI panel on the SMTP Configuration page. This enables you to specify the handling of individual categories of IPs (spammers, botnets, and malware distribution points) and fine-tune the detection.
• SSMP TLS with Perfect Forward Secrecy. This upgrade ensures TLS connections remain secured against recent encryption downgrade attacks and provide better privacy.
• SMTP TLS fallback for better connection compatibility. This enhancement enables IBM Lotus Protector for Mail Security to automatically negotiate the best version of TLS to use with a server if both prefer different versions. This increases the TLS compatibility and improves the number of connections that are handled securely.

Key prerequisites

Refer to the Hardware requirements and Software requirements sections for details.

Planned availability date

September 13, 2016

Program number

<table>
<thead>
<tr>
<th>Program number</th>
<th>VRM</th>
<th>Program name</th>
</tr>
</thead>
<tbody>
<tr>
<td>5724-U72</td>
<td>2.8.3</td>
<td>IBM Lotus Protector</td>
</tr>
</tbody>
</table>

Offering Information

Product information is available on the IBM Offering Information website.

More information is also available on the Passport Advantage® and Passport Advantage Express® website.

Publications

None

Services

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.

Technical information

Specified operating environment

Hardware requirements

The Lotus Protector for Mail Security V2.8.3 software appliance is certified to run natively on high-quality, cost-effective Lenovo System x hardware as a physical appliance.

<table>
<thead>
<tr>
<th>Model¹</th>
<th>Lenovo x3650-M4 (MT 7915K2G)</th>
<th>Lenovo x3550 M4 (MT 7914E5G)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Processor²</td>
<td>2x Intel Xeon™ CPU E5-2650</td>
<td>2x Intel Xeon CPU E5-2630</td>
</tr>
<tr>
<td>Total memory</td>
<td>16 GB</td>
<td>8 GB</td>
</tr>
<tr>
<td>--------------</td>
<td>-------</td>
<td>------</td>
</tr>
<tr>
<td>Optical Device</td>
<td>DVD/CD-RW Combo</td>
<td>DVD/CD-RW Combo</td>
</tr>
<tr>
<td>Ethernet Controller</td>
<td>Intel Corporation I350 Gigabit Network Connection (rev O1)</td>
<td>Intel Corporation I350 Gigabit Network Connection (rev O1)</td>
</tr>
<tr>
<td>Disk</td>
<td>6x 6Gbps SAS 300GB</td>
<td>4x 6Gbps SAS 300GB</td>
</tr>
<tr>
<td>Dimension</td>
<td>2 U</td>
<td>1 U</td>
</tr>
<tr>
<td>Throughput (mails/hour)</td>
<td>360,000⁶</td>
<td>250,000⁶</td>
</tr>
<tr>
<td>Redundancy</td>
<td>1x 675 W power supply</td>
<td>1x 675 W power supply</td>
</tr>
</tbody>
</table>

³ No operating system is needed. Lotus Protector for Mail Security V2.8.3 software includes a Linux™ operating system, and runs natively on Lenovo System x hardware.

² Different CPUs will work and may only change throughput results.

³ Different memory sizes will work and may only change throughput results.

⁴ Requires a DVD-ROM minimum to install Lotus Protector.

⁵ Controllers BR10i, MR10i, and BR10il are HBA verified for Raid. MR10i must be used with more than two Raid mirror sets.

⁶ This is a best-case number, in-the-field values might be lower. Conservative estimate (including buffer for peak scenarios) is a third of that value. Refer to Techline Deployment Calculator (XLS, 35,5KB).

⁷ A redundant power supply is not required but provides more reliability.

**Software requirements**

Lotus Protector for Mail Security V2.8.3 is certified to run on VMware as a virtual appliance. Lotus Protector for Mail Security is ideally suited for small-to-midsize businesses and scalable to more strategic operating specifications as required.

<table>
<thead>
<tr>
<th>Platform</th>
<th>One of the following:</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>• VMware Server 1.0.2, or later</td>
</tr>
<tr>
<td></td>
<td>• VMware Workstation 5.5, or later</td>
</tr>
<tr>
<td></td>
<td>• VMware Player 1.0.3, or later</td>
</tr>
<tr>
<td></td>
<td>• VMware ESX 3.x, or later</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Host hardware</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Memory (virtual memory)</td>
<td>8 GB RAM (4 GB minimum required for each Lotus Protector virtual instance)</td>
</tr>
<tr>
<td>Total Storage (virtual storage)</td>
<td>100GB hard disk space (50GB dedicated for each Lotus Protector virtual instance)</td>
</tr>
<tr>
<td>Optical Device</td>
<td>DVD-ROM</td>
</tr>
<tr>
<td>Network cards</td>
<td>Two network interfaces:</td>
</tr>
<tr>
<td></td>
<td>• One host-only interfaces</td>
</tr>
<tr>
<td></td>
<td>• One bridged network interface</td>
</tr>
<tr>
<td>Throughput: emails/hour</td>
<td>70,000</td>
</tr>
</tbody>
</table>

⁴ Requires a DVD-ROM minimum to install Lotus Protector.

⁸ Lotus Protector includes a Linux operating system and runs as installed software in a VMware partition. VMware partitions the physical machine into multiple virtual machines.
Customer-provided hardware that has one of the required VMware platforms installed.

Minimum memory and storage requirements to support the virtualized operating system plus all virtual instances.

VMware ESXi installations should use Intel E1000 NICs.

Measured filtering on VMware ESX 4.0 and Workstation 5.5 of incoming internet emails of average size with prefilters turned off. IP prefiltering and SMTP prefiltering increase throughput.

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

Packaging

This offering is delivered through the internet.

This program, when downloaded from a website, contains the applicable IBM license agreement and License Information, if appropriate, and will be presented for acceptance at the time of installation of the program. For future reference, the license and License Information will be stored in a directory such as LICENSE.TXT.

Ordering information

For ordering information, consult your IBM representative or authorized IBM Business Partner, or go to the Passport Advantage website.

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

Product group: IBM Lotus Protector

Product: 5724-U72

Product category: IBM Lotus Protector

<table>
<thead>
<tr>
<th>Passport Advantage</th>
<th>Part number</th>
</tr>
</thead>
<tbody>
<tr>
<td>IBM Lotus Protector for Mail Security Lotus Protector Mail Security Authorized User Annual SW S&amp;S Renewal</td>
<td>E057DLL</td>
</tr>
<tr>
<td>Lotus Protector Mail Security Authorized User Initial FT Lic + S&amp;S 12 Mo</td>
<td>D0K20LL</td>
</tr>
<tr>
<td>Lotus Protector Mail Security Authorized User Lic + SW S&amp;S 12 Mo</td>
<td>D04QYLL</td>
</tr>
<tr>
<td>Lotus Protector Mail Security Authorized User SW S&amp;S Reinstate 12 Mo</td>
<td>D04QZLL</td>
</tr>
<tr>
<td>Lotus Protector Mail Security Authorized User Subsequent FT Lic + S&amp;S 12 Mo</td>
<td>E0CBDLL</td>
</tr>
<tr>
<td>Lotus Protector Mail Security Processor Value Unit (PVU) Lic + SW S&amp;S 12 Mo</td>
<td>D0K0ULL</td>
</tr>
<tr>
<td>Lotus Protector Mail Security Processor Value Unit Annual SW S&amp;S Renewal</td>
<td>E0CB2LL</td>
</tr>
<tr>
<td>Lotus Protector Mail Security Processor Value Unit SW S&amp;S Reinstate 12 Mo</td>
<td>D0K0VLL</td>
</tr>
</tbody>
</table>

Passport Advantage trade-up
You must have previously acquired licenses for the following precursor products to be eligible to acquire an equivalent licenses of the trade-up products.

<table>
<thead>
<tr>
<th>Precursor product</th>
<th>Trade-up product</th>
<th>Trade-up part number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Competitor</td>
<td>Lotus Protector Mail Security AU from Competitor Trade Up Lic +SW S&amp;S 12 Mo</td>
<td>D04R0LL</td>
</tr>
<tr>
<td>Competitor</td>
<td>Lotus Protector Mail Security PVU from Competitor Trade Up Lic +SW S&amp;S 12 Mo</td>
<td>D0K0WLL</td>
</tr>
</tbody>
</table>

You must have current active Software Subscription and Support in place for all of the licenses that will be given up by the use of the trade-up parts. Organizations with lapsed support need to reinstate their S&S contracts to be eligible for trade ups.

Consult your IBM representative if you have any questions.

**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.

<table>
<thead>
<tr>
<th>Entitled maintenance offerings description</th>
<th>Part number</th>
</tr>
</thead>
<tbody>
<tr>
<td>IBM Lotus Protector for Mail Security Authorized User</td>
<td>AH159ML</td>
</tr>
<tr>
<td>IBM Lotus Protector for Mail Security Per Processor Value Unit</td>
<td>AH159ML</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Media packs description</th>
<th>Part number</th>
</tr>
</thead>
<tbody>
<tr>
<td>IBM Lotus Protector for Mail Security V2.8.3 DVD Media Pack Multilingual</td>
<td>AH159ML</td>
</tr>
</tbody>
</table>

**Charge metric**

<table>
<thead>
<tr>
<th>Program name</th>
<th>PID number</th>
<th>Charge metric</th>
</tr>
</thead>
<tbody>
<tr>
<td>IBM Lotus Protector for Mail Security</td>
<td>5724-U72</td>
<td>Per Processor Value Unit (PVU)</td>
</tr>
<tr>
<td>IBM Lotus Protector for Mail Security</td>
<td>5724-U72</td>
<td>Per Authorized User</td>
</tr>
</tbody>
</table>

**Authorized User**

Authorized User is a unit of measure by which the program can be licensed. An Authorized User is a unique person who is given access to the program. The program may be installed on any number of computers or servers and each Authorized User may have simultaneous access to any number of instances of the program at one time. Licensee must obtain separate, dedicated entitlements for each Authorized User given access to the program in any manner directly or indirectly (for example, through a multiplexing program, device, or application server) through any means. An entitlement for an Authorized User is unique to that Authorized User and may not be shared, nor may it be reassigned other than for the permanent transfer of the Authorized User entitlement to another person.

**Note:** Some programs 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 program or that is otherwise managed by the program is considered a separate user of the program and requires an entitlement as if that device were a person.

**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 (socket). A dual-core processor chip, for example, has two processor cores. The
PVU table can be found on the PVU licensing for Distributed Software page. 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 found on the Virtualization Capacity License Counting Rules page. If using full capacity licensing, licensee must obtain PVU entitlements sufficient to cover all activated processor cores 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 that can be found on the Virtualization Capacity License Counting Rules page.

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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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.

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IBM includes one year of Software Subscription and Support (also referred to as Software Maintenance) with the initial license acquisition of each program acquired. The initial period of Software Subscription and Support (also referred to as Software Maintenance) 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 number

L-GHUS-8EYQV7

See the License Information documents page on the IBM Software License Agreement website for more information.

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, see the IBM Software 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 (by 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 (Software Maintenance) also provides you with access to updates (modifications or fixes), releases, and versions of the program. You will be notified, through an 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, information is available on the Passport Advantage and Passport Advantage Express website.

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.

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For additional information about the International Passport Advantage Agreement and the IBM International Passport Advantage Express Agreement, go to the Passport Advantage and Passport Advantage Express website.

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

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 lawful, comprehensive security approach, which will necessarily involve additional operational procedures, and may require other systems, products, or services to be most effective.

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Prices

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**Passport Advantage**

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IBM Directory of worldwide contacts