IBM Security Access Manager V7.0 and IBM Security Web Gateway AMP 5100 V7.0 deliver improved web application security with an integrated web access management, application protection, and context-based access control platform

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At a glance

IBM® Security Access Manager V7.0:

- Helps manage growth and complexity, control escalating management costs, and address the difficulties of implementing security policies across a wide range of web and application resources.
- Provides protection capability for web applications against vulnerabilities such as cross-site scripting, SQL injection, and forceful browsing, with the X-Force powered Protocol Analysis Module.
- Provides web fraud detection and prevention capabilities through the implementation of risk-based access control along with integration with QRadar Security Intelligence platform.
- Centrally manages security and audit policy for enforcement points that can be placed as a proxy in front of web applications, or through authorization and authentication plug-ins direct into a web server or application server environment.
- Provides support for strong authentication.
- Provides high scalability, availability, and performance to support millions of users in a single implementation.
- Provides virtual appliance form factor.

IBM Security Web Gateway AMP 5100 V7.0 appliance is designed to provide access, authentication, and session management for web applications, and to help protect those applications from external threats.

Overview

IBM Security Access Manager V7.0 (formerly known as IBM Tivoli® Access Manager for e-business) is a converged user access and application protection solution that serves as an authentication and authorization hub for web applications and centralized security management, designed to make it easier and more cost effective to deploy secure online applications.

IBM Security Access Manager can help you address the growing incidence of advanced web threats and risks associated with mobile, social, and cloud access...
while demonstrating compliance with security regulations. It can also help you manage growth and complexity of web application environments, control escalating management costs, and address the difficulties of implementing security policies across a wide range of web and application resources. IBM Security Access Manager works as a proxy in front of web applications to centrally manage web applications, or through authorization and authentication plug-ins added directly into a web server or application server.

Key capabilities:

- Built-in capability to help protect web applications against advanced threats such as cross-site scripting, SQL injection, and PHP file includes.
- Virtual appliance for the reverse-proxy (WebSEAL) component can help provide faster time to value and higher ROI through reduced operational costs.
- Context-aware access control enforcement via integration with IBM Tivoli Federated Identity Manager Business Gateway risk-based access capabilities.
- Single sign-on within an enterprise and also across business affiliates (when used in conjunction with IBM Tivoli Federated Identity Manager Business Gateway) to help increase user productivity and lower password management costs.
- Compliance capabilities through policy-based security for business applications, such as customer relationship management (CRM), business-to-business (B2B), business-to-customer (B2C), and employee portals.
- High scalability, availability, and performance with an included registry that supports millions of users in a single implementation.

What is new

For the many new enhancements in IBM Security Access Manager V7.0, refer to the Description section for details.

IBM Security Web Gateway AMP 5100 V7.0 is a next generation web access management offering, in the form of a physical appliance, designed to provide access, authentication, and session management for web applications and helps protect those applications from external threats. IBM Security Web Gateway AMP 5100 includes a reverse HTTP proxy (WebSEAL) that is located between users and application servers. This proxy comes with its own policy server (managed via a local management interface) and LDAP registry, but clients can, and often will, use the co-requisite IBM Security Access Manager product as an alternate, easily managed external policy server, and IBM Directory Server as an external registry (or other supported external registry).

IBM Security Web Gateway AMP 5100 is highly scalable and configurable to support a wide variety of application environments.

Key prerequisites

For details, refer to the Hardware and software requirements section.

Planned availability date

November 16, 2012: For electronic availability for IBM Security Access Manager V7.0

December 14, 2012: For physical availability for IBM Security Access Manager V7.0 and IBM Security Web Gateway AMP 5100 V7.0

Refer to the complete letter for national language availability.
IBM Security Access Manager V7.0

IBM Security Access Manager V7.0 (formerly known as Tivoli Access Manager for e-business), an authentication and authorization hub for web applications, not only centralizes security management, but it can make it easy and more cost effective to deploy secure applications. IBM Security Access Manager V7.0 extends the ability to secure a heterogeneous application infrastructure while adding performance, scalability, and integration enhancements.

IBM Security Access Manager delivers solutions to manage and enforce user access to a wide variety of web applications and services, varying from single sign-on to more highly scalable application security infrastructure deployments.

Key features:

- Is available in a virtual appliance form factor.
- Has web application protection. The virtual appliance contains the IBM Security Intrusion Protection protocol analysis module. Powered by XForce, this module can be configured to scan incoming and outgoing HTTP requests for threats.
- Integrates with Tivoli Federated Identity Manager Business Gateway risk-based access enforcement services for increasing precision of identifying the risk associated with anytime and anywhere mobile access to enterprise systems.
- Defines and manages a centralized authentication, access control policy for a broad range of business initiatives, such as employee, customer, and business partner portal, customer relationship management (CRM) and enterprise resource planning (ERP) systems upgrades, new enterprise content management (ECM) and business intelligence platforms deployments, e-procurement, and outsourcing projects.
- Helps you manage compliance, growth, and complexity of new application deployments while helping control escalating management costs of securing large number of web applications across the enterprise. It helps:
  - Address the difficulties of implementing consistent security policies across a wide range of web and application resources. It works by centrally managing access control policy for numerous enforcement points by placing a reverse proxy in front of web applications, or through authorization and authentication plug-ins directly into a web or application server environment.
  - Authorized users integrate with web applications and servers to deliver a secured and unified business experience.
  - Secure access to business-critical applications and data spread across the extended enterprise, allowing highly available, scalable transactions with partners, customers, suppliers, and employees.

What is new

IBM Security Access Manager V7.0 updates many existing features and introduces new features including virtual and physical appliance for the reverse proxy (WebSEAL) component. It provides:

- 64-bit support, multiple authorization server support, and cluster support for reverse proxy configuration
- Virtual appliance form factor for the reverse-proxy (WebSEAL) component that can provide faster time to value and lower total cost of ownership
- Web application protection capabilities powered by X-Force Protocol Analysis Module to help protect against vulnerabilities such as cross-site scripting, SQL injection, and other threats
- Web fraud detection and prevention capability through context-aware controls and risk-based access enforcement
- Enhanced business-to-customer (B2C) authorization capabilities with support for OAuth 1.0 and OAuth 2.0 through integration with IBM Tivoli Federated Identity Manager Business Gateway
- High availability support for policy servers
- Enhanced application integration for AJAX and Microsoft™ applications
- Secure Sockets Layer (SSL) performance through on-board AES-NI cryptographic chipset support in the hardware appliance
- FIPS 140-2 Level 2 Common Criteria Certification
- Standalone mode option for the virtual appliance through integrated policy server and local user registry
- High availability and workload distribution for the virtual appliance provided by integrated front-end load balancer
- Internet Content Adaptation Protocol (ICAP) support for integration with content analysis services

**IBM Security Web Gateway AMP 5100 V7.0**

IBM Security Web Gateway AMP 5100 V7.0 is designed to provide access, authentication, and session management for web applications and to protect those applications from external threats. IBM Security Web Gateway AMP 5100 provides a proxy-based solution that is located between users and application servers. IBM Security Web Gateway AMP 5100 is highly scalable and configurable to support a wide variety of application environments.

**Key capabilities:**

- Web application protection - IBM Security Web Gateway AMP 5100 contains the IBM Security Intrusion Protection protocol analysis module. Powered by XForce, this module can be configured to scan incoming and outgoing HTTP requests for threats.
- Load balancing - IBM Security Web Gateway AMP 5100 provides both front-end and back-end load balancing.
- Web graphical interface - A new web graphical user interface that provides a dashboard on the overall health of the performance and availability of the connections to the appliance and the workload and response times.
- Management interface - IBM Security Web Gateway AMP 5100 provides a web-based, graphical Local Management Interface (LMI), which provides the ability to configure the appliance and security reverse proxy. The LMI also provides a dashboard that enables administrators to view the overall health of the appliances.

**Accessibility by people with disabilities**

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


**Availability of national languages**

**IBM Security Access Manager V7.0** is enabled to support all language environments and is translated into the following languages on the dates shown below.

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<th>Language</th>
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<td>Czech</td>
<td>November 16, 2012</td>
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<td>November 16, 2012</td>
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IBM Security Web Gateway AMP 5100 V7.0 is enabled to support all language environments and is translated into the following languages on the dates shown below.

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Program number

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<tr>
<td>5725-G50</td>
<td>7.0.0</td>
<td>IBM Security Web Gateway AMP 5100</td>
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Education support

IBM training provides education to support many IBM offerings. Descriptions of courses for IT professionals and managers are on the IBM training website

http://www.ibm.com/services/learning/

Contact your IBM representative for course information.

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

IBM Security Access Manager V7.0

A hardcopy publication for IBM Security Access Manager V7.0 Quick Start Guide is shipped with the product and is available in English, French, and Japanese.
Softcopy publications for IBM Security Access Manager for Web V7.0 Quick Start Guide will be delivered on a separate publications CD-ROM with the basic machine-readable material, and is available in English, French, and Japanese. It can also be downloaded at electronic availability from

http://pic.dhe.ibm.com/infocenter/tivihelp/v2r1/index.jsp

The following English publications may be downloaded at general availability from the following website

http://pic.dhe.ibm.com/infocenter/tivihelp/v2r1/index.jsp

**English publications:**

- IBM Security Access Manager for Web Quick Start Guide (GI11-9333-01 (CF3DJML)
- IBM Security Web Gateway Appliance Quick Start Guide - Virtual Offering (CF3FVML)
- IBM Security Access Manager for Web Installation guide (GC23-6502-02)
- IBM Security Access Manager for Web Administration Guide (SC23-6504-02)
- IBM Security Access Manager WebSEAL Administration Guide (SC23-6505-02)
- IBM Security Access Manager WebSEAL Configuration Stanza Reference (SC27-4442-00)
- IBM Security Access Manager Appliance Web Reverse Proxy Stanza Reference (SC27-4443-00)
- IBM Security Access Manager for Web Shared Session Management Administration Guide (SC23-6509-02)
- IBM Security Access Manager for Web Shared Session Management Deployment Guide (SC22-5431-00)
- IBM Security Access Manager for Web Upgrade Guide (SC23-6503-02)
- IBM Security Access Manager for Web Auditing Guide (SC23-6511-02)
- IBM Security Access Manager for Web Performance Tuning Guide (SC23-6518-02)
- IBM Security Access Manager for Web Troubleshooting Guide (GC27-2717-01)
- IBM Security Access Manager for Web Error Message Reference (GI11-8157-02)
- IBM Security Access Manager for Web Administration C API Developer's Reference (SC23-6513-02)
- IBM Security Access Manager for Web Administration Java™ Classes Developer's Reference (SC23-6514-02)
- IBM Security Access Manager for Web Authorization Java Classes Developer's Reference (SC23-6516-02)
- IBM Global Security Kit: CapiCmd Users Guide (SC22-5459-00)

**French publications:**

- IBM Security Access Manager for Web Installation guide (GC23-6502-02)
- IBM Security Access Manager for Web Administration Guide (SC23-6504-02)
- IBM Security Access Manager for Web Release Notes (HTML only)
**IBM Security Web Gateway AMP 5100 V7.0**

Hardcopy publication for the following IBM Security Web Gateway V7.0 Quick Start Guide is shipped with the product and is available in English, French, Japanese, Brazilian Portuguese and Simplified Chinese.

- IBM Security Web Gateway Appliance Quick Start Guide a Hardware Offering (97Y0847)

It can also be downloaded at electronic availability from

http://pic.dhe.ibm.com/infocenter/tivihelp/v2r1/index.jsp

**English publications:**

- IBM Security Web Gateway Appliance Quick Start Guide a Hardware Offering (97Y0847)
- IBM Security Web Gateway Appliance Administration Guide (SC22-5432-00)
- IBM Security Web Gateway Appliance Configuration Guide for Web Reverse Proxy (SC22-5433-00)
- IBM Security Web Gateway Appliance Web Reverse Proxy Stanza Reference (SC27-4443-00)

All other national language publications will be available 30 days after general availability and may be downloaded from the following website

http://pic.dhe.ibm.com/infocenter/tivihelp/v2r1/index.jsp

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 US) or customer number for 20 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.

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**Technical information**

**Specified operating environment**

**Hardware and software requirements**

For IBM Security Access Manager V7.0 and IBM Security Web Gateway AMP 5100 V7.0 hardware and software requirements, refer to the Detailed system requirements for a specific product report at

http://publib.boulder.ibm.com/infocenter/prodguid/v1r0/clarity/softwareReqsForProduct.html

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**

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 (Software Maintenance) 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 (also referred to as
Software Maintenance) with each program license acquired. The initial period of
Software Subscription and Support (Software Maintenance) can be extended by the
purchase of a renewal option, if available.

**Packaging**

IBM Security Access Manager V7.0 is distributed with:

- International Program License Agreement (Z125-3301)
- License Information document
- DVDs
- Publications (refer to the Publications section)

IBM Security Web Gateway AMP 5100 V7.0 is distributed with:

- International Program License Agreement (Z125-3301)
- License Information document
- Publications (refer to the Publications section)

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.

**Security, auditability, and control**

IBM Security Access Manager uses the security and auditability features of the
operating system 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**

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.

**Ordering information**

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

| Product group: IBM Security |
| Product Identifier Description (PID) |
| IBM Security Access Manager V7.0 | 5724-C87 |
| IBM Security Web Gateway AMP 5100 V7.0 | 5725-G50 |

Product category: Security Access Manager
Product category: Security Web Gateway

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

**Charge metric**

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<td>User Value Unit</td>
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<td></td>
<td></td>
<td>Processor Value Unit</td>
</tr>
<tr>
<td>IBM Security Web Gateway AMP 5100</td>
<td>5725-G50</td>
<td>Per Appliance Install</td>
</tr>
</tbody>
</table>

**Pricing examples**

**IBM Security Access Manager**

*Example 1: Internal users (by UVU)*

A large enterprise is required to manage and protect access for 12,000 users on their internal network. The initial targets they want to manage are as follows:

- 12,000 internal users of LDAP and who access web applications from HTTP and Java 2 Platform Enterprise Edition (J2EE) application servers for single sign-on (SSO) using IBM Security Access Manager.

Calculate User Value Units

The client would purchase 8,500 User Value Units of Security Access Manager. Refer to the calculation below based on the scalable usage model referenced above.

<table>
<thead>
<tr>
<th>Pricing metric</th>
<th>Users required in client environment (A)</th>
<th>User Value Units 1,000 users</th>
<th>User Value Units required (A*B)/1000</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tier 1</td>
<td>5,000</td>
<td>1,000</td>
<td>5,000</td>
</tr>
<tr>
<td>Tier 2</td>
<td>7,500</td>
<td>500</td>
<td>3,500</td>
</tr>
<tr>
<td>Tier 3</td>
<td></td>
<td>300</td>
<td></td>
</tr>
<tr>
<td>Tier 4</td>
<td></td>
<td>200</td>
<td></td>
</tr>
<tr>
<td>Total users</td>
<td>12,000</td>
<td></td>
<td>8,500</td>
</tr>
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</table>

*Example 2: Internal and external users (by UVU)*

A large enterprise is required to manage and protect user access for up to 12,000 internal users (company employees) and 1,500,000 external users. For external users, we use the ratio 1 internal user equals 15 external users to calculate the UVUs. The total users are calculated as follows:

- 12,000 internal users = 12,000/1 = 12,000 users.
- 1,500,000 external users = 1,500,000/15 = 100,000 users.
- The large enterprise must add these users together since they all plan to use LDAP and Active Directory for IBM Security Access Manager. As a result, they need to purchase 112,000 users of IBM Security Access Manager.

Calculate User Value Units

The client would purchase 32,900 User Value Units of IBM Security Access Manager. Refer to the calculation below based on the scalable usage model referenced above.

<table>
<thead>
<tr>
<th>Pricing metric</th>
<th>Users required in client environment (A)</th>
<th>User Value Units 1,000 users</th>
<th>User Value Units required (A*B)/1000</th>
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</thead>
<tbody>
<tr>
<td>Tier 1</td>
<td>5,000</td>
<td>1,000</td>
<td>5,000</td>
</tr>
<tr>
<td>Tier 2</td>
<td>10,500</td>
<td>500</td>
<td>5,000</td>
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<tr>
<td>Tier 3</td>
<td>35,000</td>
<td>300</td>
<td>10,500</td>
</tr>
<tr>
<td>Tier 4</td>
<td>62,000</td>
<td>200</td>
<td>12,400</td>
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<tr>
<td>Total users</td>
<td>112,000</td>
<td></td>
<td>32,900</td>
</tr>
</tbody>
</table>
In the above example, the client is entitled to the use of the reverse-proxy (WebSEAL) virtual appliance under the UVU entitlement.

**Example 3: Unknown number of internal and external users (by PVU)**

A large enterprise is required to manage and protect user access for an unknown number of internal or external users. However, the enterprise decides that running IBM Security Access Manager on 20 processor cores of an IBM POWER7® server for WebSEAL, policy server and LDAP would be the right number to sustain the external user load. The total PVUs are calculated as follows:

- Each core of an IBM Power7 server is 120 PVUs.
- 20 processor cores = 2,400 PVUs.
- This large enterprise needs to purchase 2,400 PVUs of IBM Security Access Manager.

In the above example, the client is required to purchase PVU entitlements for the processors used for the deployment of the reverse-proxy (WebSEAL) virtual appliance.

**Example 4: Purchase IBM Security Web Gateway AMP 5100 appliance**

Client wants to buy IBM Security Web Gateway AMP 5100 and needs to buy additional PVUs of IBM Security Access Manager for hosting an external policy server and LDAP.

A large enterprise is required to manage and protect user access for an unknown number of internal or external users. The enterprise decides to buy two IBM Security Web Gateway AMP 5100 appliances to be hosted in the DMZ. Additionally, the enterprise decides that they need to run IBM Security Access Manager Policy Server and IBM Tivoli Directory Server on four processor cores of an IBM POWER7 server. The pricing would be as follows:

- Each core of an IBM POWER7 server is 120 PVUs.
- 4 processor cores = 480 PVUs.
- This large enterprise needs to purchase 480 PVUs of IBM Security Access Manager.
- This large enterprise also needs to purchase two IBM Security Web Gateway AMP 5100 appliances install entitlements.

**User Value Unit (UVU)**

UVU is a unit of measure by which the program can be licensed. UVU Proofs of Entitlement (PoEs) are based on the number and type of users for the given program. Licensee must obtain sufficient entitlements for the number of UVUs required for licensee's environment as specified in the program specific table. The UVU entitlements are specific to the program and type of user and may not be exchanged, interchanged, or aggregated with UVU entitlements of another program or type of user. Refer to the program specific UVU table.

**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).
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* 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

* 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.

**Appliance Install**

Appliance Install is a unit of measure by which the program can be licensed. An Appliance Install is an installed copy of the program that is included on a single unit of supporting hardware. Licensee must obtain an entitlement for each Appliance Install of the program.

**Passport Advantage**

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<td>D56PSLL</td>
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IBM Security Access Manager for web
Unlimited User Option Processor Value Unit
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IBM Security Access Manager for Web
Unlimited User Option Processor Value Unit
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IBM Security Access Manager for Web
Unlimited User Option Processor Value Unit
Sw Maint Reinstate 12 Mo

IBM Security Access Manager for Web
User Value Units Annual Sw Maint Rnwl

IBM Security Access Manager for Web
User Value Units Lic+Sw Maint 12 Mo

IBM Security Access Manager for Web
User Value Units Sw Maint Reinstate 12 Mo

IBM Security Access Manager for Web for zEnterprise®
BladeCenter Extension and Linux™ on System z
User Value Unit License + Sw Subscription & Support
12 Months

IBM Security Access Manager for Web for zEnterprise
Bladecenter Extension and Linux on System z
User Value Unit SW Subscription & Support
Reinstatement 12 Months

IBM Security Access Manager for Web for zEnterprise
BladeCenter Extension and Linux on System z
User Value Unit SW Subscription & Support Renewal

IBM Security Web Gateway AMP 5100
per App In APLIANCE + S&S 12 MO

IBM Security Web Gateway AMP 5100
per App In ANNUALAPLM+S&S RNWL 12MO

IBM Security Web Gateway AMP 5100
per App In APLM + S&S REINST 12 MO

Passport Advantage customer: Media pack entitlement details

Customers with active maintenance or subscription for the products listed are
titled to receive the corresponding media pack.

<table>
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<tr>
<th>Media packs description</th>
<th>Part number</th>
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<td>IBM Security Access Mgr for Web 7.0 Mulitplatform, Multilingual DVD Media Pack</td>
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Terms and conditions

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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