

## IBM Security Network IPS V4.1, Reimage the appliance with a USB device

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Slide 1

Tivoli

IBM

### IBM Security Network Intrusion Prevention System V4.1

Reimage the appliance with a USB device



This is a self-running demonstration that shows you how to complete a task.  
Controls are available at the bottom of the screen.

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Slide 2



### Objectives

When you complete this module, you will be able to:

- Retrieve the appliance USB image from the IBM Download Center
- Use a USB device to install firmware on an appliance

Slide 3



### Retrieving the USB image

- To restore or reimage your IBM Security Network Intrusion Prevention System appliance with firmware version 4.1, you must first download the USB image for this firmware release from the [IBM Download Center](#)
- Copy the USB image to a Windows, Mac, or Linux machine and then write the image to a USB device

**Note:** This procedure is not supported on certain appliances. Refer to the [Network Intrusion Prevention System Installation Guide](#) for more information.

# IBM Security Network IPS V4.1, Reimage the appliance with a USB device

Slide 4

The screenshot displays the IBM Internet Security Systems website interface. At the top, the header includes the IBM logo and the slogan "Ahead of the threat.™". Navigation tabs for "ABOUT US", "PRODUCTS", "SERVICES", "RESEARCH", and "SUPPORT" are visible. A "Quick Links" sidebar on the left lists various user actions like "HOME", "DOWNLOAD CENTER", and "MY ACCOUNT". The main content area features a "PRODUCT DOWNLOADS" section with a "Select A Product" dropdown menu currently set to "BETA" and a "GO" button. Below this is a "LATEST CONTENT UPDATES" list. To the right, there are sections for "LATEST UPDATES" and "BETA DOWNLOADS". A purple callout box in the upper right corner explains the purpose of the demonstration, and a yellow callout box points to the "Select A Product" dropdown, instructing the user to choose "Proventia Network IPS (GX-Series)".

IBM Internet Security Systems  
Ahead of the threat.™

ISS Home | ISS Worldwide

ABOUT US | PRODUCTS | SERVICES | RESEARCH | SUPPORT

**Quick Links**

- HOME
- DOWNLOAD CENTER
- MY ACCOUNT
  - My Profile
  - Change Password
  - OneTrust Credential Token
- PRODUCT SUPPORT
- CONTACT US
- FEEDBACK
- SIGN OUT

**PRODUCT DOWNLOADS**

Select A Product

BETA

GO

**LATEST CONTENT UPDATES**

- Internet Scanner 7.0 SP2 - 7.2.100
- Enterprise Scanner Content Update 1.86 (CAM)
- Proventia and RealSecure Host Content Updates - 31.100 and 2690
- Proventia Network - Content Update 31.100
- Proventia Network - Content Update 31.092
- Proventia and RealSecure Host Content Updates - 31.092 and 2685
- Enterprise Scanner Content Update 1.85 (CAM)
- Internet Scanner 7.0 SP2 - 7.2.99
- Proventia and RealSecure Host Content Updates - 31.090 and 2680
- Proventia Network - Content Update 31.090

**LATEST UPDATES**

- Proventia Server
- Firmware v4.3
- Proventia 10G Network Active Bypass
- Proventia G2000 Firmware Update v1.8

**BETA DOWNLOADS**

This demonstration shows you how to locate the USB image for firmware version 4.1.

Click the **Select a Product** list and select **Proventia Network IPS (GX-Series)**.

# IBM Security Network IPS V4.1, Reimage the appliance with a USB device

Slide 5

The screenshot displays the IBM Internet Security Systems website. At the top, the logo reads "IBM Internet Security Systems Ahead of the threat.™". Navigation links include "ISS Home", "ISS Worldwide", "Investor Relations", "Careers", and a "Keyword Search" box with a "GO" button. A secondary navigation bar contains "ABOUT US", "PRODUCTS", "SERVICES", "RESEARCH", "SUPPORT", "TRAINING", "PARTNERS", and "CONTACT US".

The main content area is divided into several sections:

- Quick Links:** A vertical list of links including HOME, DOWNLOAD CENTER, MY ACCOUNT (with sub-links for My Profile and Change Password), PRODUCT SUPPORT, CONTACT US, FEEDBACK, and SIGN OUT.
- PRODUCT DOWNLOADS:** A section titled "Select A Product" with a dropdown menu currently set to "BETA". The dropdown list includes: BETA, Database Scanner, DoD Advisory Content, Enterprise Scanner, Enterprise Scanner Beta, FIPS enabled systems, Hosted Vulnerability Management Serv, IBM Security Server Protection, Internet Scanner, MSL, NIAP EAL2 - Prov. A/G, Net. Snsr, SiteP, NIAP EAL2 Prov. Desktop, Prov. Server, NIAP EAL2-PP Proventia GX 1.3 and Sit, NIAP EAL2PP - Prov. GX6116 ver.2.2, S, Other, Proventia A Series, Proventia Desktop, Proventia Desktop Access Control, Proventia Desktop for Vista Technolog, Proventia Endpoint Secure Control, Proventia G Series, Proventia M Series, Proventia Mail Filter, and Proventia Management SiteProtector A.
- LATEST UPDATES:** A list of updates with arrows pointing to the right: Proventia Server for Linux 1.5.2, MSS VMS CD 2.0.3, Proventia Network IPS GX7800 Firmware v4.3, Proventia 10G Network Active Bypass, and Proventia G2000 Firmware Update v1.8.
- BETA DOWNLOADS:** A section with a header and an empty box below it.
- SPECIAL DOWNLOADS:** A section with a header and an empty box below it.

# IBM Security Network IPS V4.1, Reimage the appliance with a USB device

Slide 6

The screenshot shows the IBM Internet Security Systems website. The header includes the logo "IBM Internet Security Systems Ahead of the threat.™" and navigation links: "ISS Home | ISS Worldwide | Investor Relations | Careers" and a "Keyword Search" box with a "GO" button. Below the header is a navigation bar with tabs: "ABOUT US", "PRODUCTS", "SERVICES", "RESEARCH", "SUPPORT", "TRAINING", "PARTNERS", and "CONTACT US".

The main content area is divided into several sections:

- Quick Links:** A vertical menu on the left with links: HOME, DOWNLOAD CENTER, MY ACCOUNT (with a sub-menu: My Profile, Change Password, OneTrust Credential Token), PRODUCT SUPPORT, CONTACT US, FEEDBACK, and SIGN OUT.
- PRODUCT DOWNLOADS:** A section with a "Select A Product" dropdown menu. The dropdown is open, showing a list of products including "BETA", "NIAP EAL2 - Prov. A/G, Net. Snsr, SiteP", "NIAP EAL2 Prov. Desktop, Prov. Server", "NIAP EAL2-PP Proventia GX 1.3 and Sit", "NIAP EAL2PPP - Prov. GX6116 ver.2.2, S", "Other", "Proventia A Series", "Proventia Desktop", "Proventia Desktop Access Control", "Proventia Desktop for Vista Technolog", "Proventia Endpoint Secure Control", "Proventia G Series", "Proventia M Series", "Proventia Mail Filter", "Proventia Management SiteProtector A", "Proventia Management SiteProtector M", "Proventia Network ADS - Beta", "Proventia Network Active Bypass", "Proventia Network Anomaly Detection S", "Proventia Network Enterprise Scanner", "Proventia Network IPS (GX-Series)", "Proventia Network IPS for Crossbeam", "Proventia Network Intrusion Prevention", "Proventia Network Mail Security System", and "Proventia Network Security Controller".
- LATEST UPDATES:** A list of updates with arrows pointing to the right: "Proventia Server for Linux 1.5.2", "MSS VMS CD 2.0.3", "Proventia Network IPS GX7800 Firmware v4.3", "Proventia 10G Network Active Bypass", and "Proventia G2000 Firmware Update v1.8".
- BETA DOWNLOADS:** A section with a text input field and a button.
- SPECIAL DOWNLOADS:** A section with a text input field and a button.

# IBM Security Network IPS V4.1, Reimage the appliance with a USB device

Slide 7

The screenshot shows the IBM Internet Security Systems website. The header includes the logo and tagline "Ahead of the threat.™", along with navigation links for "ISS Home", "ISS Worldwide", "Investor Relations", and "Careers". A search bar is also present. Below the header is a navigation menu with categories: ABOUT US, PRODUCTS, SERVICES, RESEARCH, SUPPORT, TRAINING, PARTNERS, and CONTACT US.

The main content area is divided into several sections:

- Quick Links:** A vertical list of links including HOME, DOWNLOAD CENTER, MY ACCOUNT (with sub-links for My Profile, Change Password, and OneTrust Credential Token), PRODUCT SUPPORT, CONTACT US, FEEDBACK, and SIGN OUT.
- PRODUCT DOWNLOADS:** A section titled "Select A Product" with a dropdown menu currently set to "BETA". The list of products includes:
  - NIAP EAL2 - Prov. A/G, Net. Snsr, SiteP
  - NIAP EAL2 Prov. Desktop, Prov. Server
  - NIAP EAL2-PP Proventia GX 1.3 and Sit
  - NIAP EAL2PPP - Prov. GX6116 ver.2.2, S
  - Other
  - Proventia A Series
  - Proventia Desktop
  - Proventia Desktop Access Control
  - Proventia Desktop for Vista Technolog
  - Proventia Endpoint Secure Control
  - Proventia G Series
  - Proventia M Series
  - Proventia Mail Filter
  - Proventia Management SiteProtector A
  - Proventia Management SiteProtector M
  - Proventia Network ADS - Beta
  - Proventia Network Active Bypass
  - Proventia Network Anomaly Detection S
  - Proventia Network Enterprise Scanner
  - Proventia Network IPS (GX-Series)** (highlighted)
  - Proventia Network IPS for Crossbeam
  - Proventia Network Intrusion Prevention
  - Proventia Network Mail Security System
  - Proventia Network Security Controller
- LATEST UPDATES:** A list of updates with arrows pointing to the right:
  - Proventia Server for Linux 1.5.2
  - MSS VMS CD 2.0.3
  - Proventia Network IPS GX7800 Firmware v4.3
  - Proventia 10G Network Active Bypass
  - Proventia G2000 Firmware Update v1.8
- BETA DOWNLOADS:** A section with a search input field.
- SPECIAL DOWNLOADS:** A section with a search input field.

# IBM Security Network IPS V4.1, Reimage the appliance with a USB device

Slide 8

The screenshot displays the IBM Internet Security Systems website. At the top, the logo reads "IBM Internet Security Systems Ahead of the threat.™". Navigation links include "ISS Home", "ISS Worldwide", "Investor Relations", "Careers", and a "Keyword Search" box with a "GO" button. A secondary navigation bar contains "ABOUT US", "PRODUCTS", "SERVICES", "RESEARCH", "SUPPORT", "TRAINING", "PARTNERS", and "CONTACT US".

The main content area is divided into several sections:

- Quick Links:** A vertical menu on the left with items: HOME, DOWNLOAD CENTER, MY ACCOUNT (with sub-links: My Profile, Change, OneTrust), PRODUCT SUPPORT, CONTACT US, FEEDBACK, and SIGN OUT.
- PRODUCT DOWNLOADS:** A section titled "Select A Product" with a dropdown menu set to "Proventia Network IPS (GX-Series)" and a "GO" button. A yellow callout bubble with the text "Click Go." points to this button.
- LATEST CONTENT UPDATES:** A list of updates with arrows pointing to the right:
  - Internet Scanner 7.0 SP2 - 7.2.100
  - Enterprise Scanner Content Update 1.86 (CAM)
  - Proventia and RealSecure Host Content Updates - 31.100 and 2690
  - Proventia Network - Content Update 31.100
  - Proventia Network - Content Update 31.092
  - Proventia and RealSecure Host Content Updates - 31.092 and 2685
  - Enterprise Scanner Content Update 1.85 (CAM)
  - Internet Scanner 7.0 SP2 - 7.2.99
  - Proventia and RealSecure Host Content Updates - 31.090 and 2680
  - Proventia Network - Content Update 31.090
- LATEST UPDATES:** A list of updates with arrows pointing to the right:
  - Proventia Server for Linux 1.5.2
  - MSS VMS CD 2.0.3
  - Proventia Network IPS GX7800 Firmware v4.3
  - Proventia 10G Network Active Bypass
  - Proventia G2000 Firmware Update v1.8
- BETA DOWNLOADS:** A section with a text input field and a "GO" button.
- SPECIAL DOWNLOADS:** A section with a text input field and a "GO" button.



# IBM Security Network IPS V4.1, Reimage the appliance with a USB device

Slide 9

The screenshot displays the IBM Internet Security Systems website interface. At the top, the logo reads "IBM Internet Security Systems Ahead of the threat.™". Navigation links include "ISS Home", "ISS Worldwide", "Investor Relations", and "Careers". A search bar is present with the text "Keyword Search" and a "GO" button. A horizontal menu contains "ABOUT US", "PRODUCTS", "SERVICES", "RESEARCH", "SUPPORT", "TRAINING", "PARTNERS", and "CONTACT US".

On the left, a "Quick Links" sidebar lists: HOME, DOWNLOAD CENTER, MY ACCOUNT (with a sub-menu for My Profile, Change Password, and OneTrust Credential Token), PRODUCT SUPPORT (with a sub-menu), CONTACT US, FEEDBACK, and SIGN OUT.

The main content area features a section titled "ENTERPRISE PRODUCT DOWNLOADS". It contains two dropdown menus: "Product" (set to "Proventia Network IPS (GX-Series)") and "Version" (set to "Select a Version"). A yellow callout box with a speech bubble points to the "Version" dropdown, containing the text: "Click the **Version** list and select **GX6116**."

At the bottom of the page, there are links for "Site Map", "Privacy Policy", "Terms of Use", and "Trademarks", followed by the copyright notice: "©2011 IBM Internet Security Systems. All rights reserved worldwide."

# IBM Security Network IPS V4.1, Reimage the appliance with a USB device

Slide 10

The screenshot displays the IBM Internet Security Systems website. At the top, the logo reads "IBM Internet Security Systems Ahead of the threat.™". Navigation links include "ISS Home", "ISS Worldwide", "Investor Relations", and "Careers". A search bar is present with the text "Keyword Search" and a "GO" button. A secondary navigation bar contains links for "ABOUT US", "PRODUCTS", "SERVICES", "RESEARCH", "SUPPORT", "TRAINING", "PARTNERS", and "CONTACT US".

On the left side, a "Quick Links" menu is visible, listing: HOME, DOWNLOAD CENTER, MY ACCOUNT (with sub-links for My Profile, Change Password, and OneTrust Credential Token), PRODUCT SUPPORT, CONTACT US, FEEDBACK, and SIGN OUT.

The main content area features a section titled "ENTERPRISE PRODUCT DOWNLOADS". It contains two dropdown menus. The first, labeled "Product", is set to "Proventia Network IPS (GX-Series)". The second, labeled "Version", is currently open, showing a list of version numbers: "Select a Version", "GX5208", "GV200", "GX7800", "GX7412", "GV1000", "GX4004C-V2-200", "GX6116", "GX3002", "GX5108", "GX5008", "GX4004", and "GX4002".

At the bottom of the page, there are links for "Site Map", "Privacy Policy", "Terms of Use", and "Tr", followed by the copyright notice: "©2011 IBM Internet Security Systems. All rights reserved."

# IBM Security Network IPS V4.1, Reimage the appliance with a USB device

Slide 11

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ISS Home | ISS Worldwide | Investor Relations | Careers | Keyword Search

ABOUT US | PRODUCTS | SERVICES | RESEARCH | SUPPORT | TRAINING | PARTNERS | CONTACT US

**Quick Links**

- HOME
- DOWNLOAD CENTER
- MY ACCOUNT 
  - My Profile
  - Change Password
  - OneTrust Credential Token
- PRODUCT SUPPORT
- CONTACT US
- FEEDBACK
- SIGN OUT

**ENTERPRISE PRODUCT DOWNLOADS**

Product	Version
Proventia Network IPS (GX-Series) <input type="button" value="v"/>	Select a Version <input type="button" value="v"/>
	Select a Version
	GX5208
	GV200
	GX7800
	GX7412
	GV1000
	GX4004C-V2-200
	<b>GX6116</b>
	GX3002
	GX5108
	GX5008
	GX4004
	GX4002

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# IBM Security Network IPS V4.1, Reimage the appliance with a USB device

Slide 12

IBM Internet Security Systems  
Ahead of the threat.™

ISS Home | ISS Worldwide | Investor Relations | Careers Keyword Search GO

ABOUT US | PRODUCTS | SERVICES | RESEARCH | SUPPORT | TRAINING | PARTNERS | CONTACT US

**Quick Links**

- HOME
- DOWNLOAD CENTER
- MY ACCOUNT ^
  - My Profile
  - Change Password
  - OneTrust Credential Token
- PRODUCT SUPPORT v
- CONTACT US
- FEEDBACK
- SIGN OUT

**ENTERPRISE PRODUCT DOWNLOADS**

Product: Proventia Network IPS (GX-Series) Version: GX6116

Show 10 entries Search:

File Group	Release Date	
Proventia Network - Content Update 31.082	2011-9-9	Continue
Proventia Network - Content Update 31.080	2011-9-7	Continue
Proventia Network - Content Update 31.092	2011-9-27	Continue
Proventia Network - Content Update 31.090	2011-9-13	Continue
Proventia Network - Content Update 31.060	2011-7-5	Continue
Proventia Network - Content Update 31.070	2011-7-13	Continue
Proventia Network - Content Update 31.050	2011-5-11	Continue
Proventia Network - Content Update 31.041		
Proventia Network - Content Update 31.040		
Proventia Network - Content Update 31.031	2011-4-14	Continue

Showing 1 to 10 of 29 entries

Click the **Next** button.

Site Map | Privacy Policy | Terms of Use | Trademarks

# IBM Security Network IPS V4.1, Reimage the appliance with a USB device

Slide 13

IBM Internet Security Systems  
Ahead of the threat.™

ISS Home | ISS Worldwide | Investor Relations | Careers Keyword Search GO

ABOUT US PRODUCTS SERVICES RESEARCH SUPPORT TRAINING PARTNERS CONTACT US

**Quick Links**

- HOME
- DOWNLOAD CENTER
- MY ACCOUNT
  - My Profile
  - Change Password
  - OneTrust Credential Token
- PRODUCT SUPPORT
- CONTACT US
- FEEDBACK
- SIGN OUT

**ENTERPRISE PRODUCT DOWNLOADS**

Product: Proventia Network IPS (GX-Series) Version: GX6116

Show 10 entries Search:

File Group	Release Date	
Proventia Network - Content Update 31.030	2011-3-17	Continue
Proventia Network - Content Update 31.021	2011-2-23	Continue
Proventia Network - Content Update 31.020	2011-2-18	Continue
Proventia Content Update 31.020	2011-2-17	Continue
Proventia Network - Content Update 31.100	2011-10-12	Continue
Proventia IPS 4.1 Firmware - Undeployed Site Protector Policy Migration Script	2010-7-8	Continue
<b>Proventia GX6116 Firmware 4.1 Recovery Image</b>	2010-6-17	Continue
Proventia GX6116 Firmware Update v3.3 and v4.1	2010-3-18	Continue
Proventia GX6116 Firmware Update v2.5 and v4.1	2010-3-18	Continue
Proventia GX6116 Firmware v4.3 Recovery Image	2010-11-22	Continue

Showing 11 to 20 of 29 entries

Click **Continue**.

# IBM Security Network IPS V4.1, Reimage the appliance with a USB device

Slide 14

**IBM Internet Security Systems**  
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ISS Home | ISS Worldwide | Investor Relations | Careers | Keyword Search

ABOUT US | PRODUCTS | SERVICES | RESEARCH | SUPPORT | TRAINING | PARTNERS | CONTACT US

**Quick Links**

- HOME
- DOWNLOAD CENTER
- MY ACCOUNT 
  - My Profile
  - Change Password
  - OneTrust Credential Token
- PRODUCT SUPPORT
- CONTACT US
- FEEDBACK
- SIGN OUT

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**NOTE:** If you do not accept the license agreement(s) for the product you have chosen, you will not be able to download any file for that product.

**END USER LICENSE AGREEMENT**

English [en]

License Agreement International Program

Part 1 - General Terms

BY DOWNLOADING, INSTALLING, COPYING, ACCESSING, CLICKING ON AN "ACCEPT" BUTTON, OR OTHERWISE USING THE PROGRAM, LICENSEE AGREES TO THE TERMS OF THIS AGREEMENT. IF YOU ARE

I Agree  I Do Not Agree

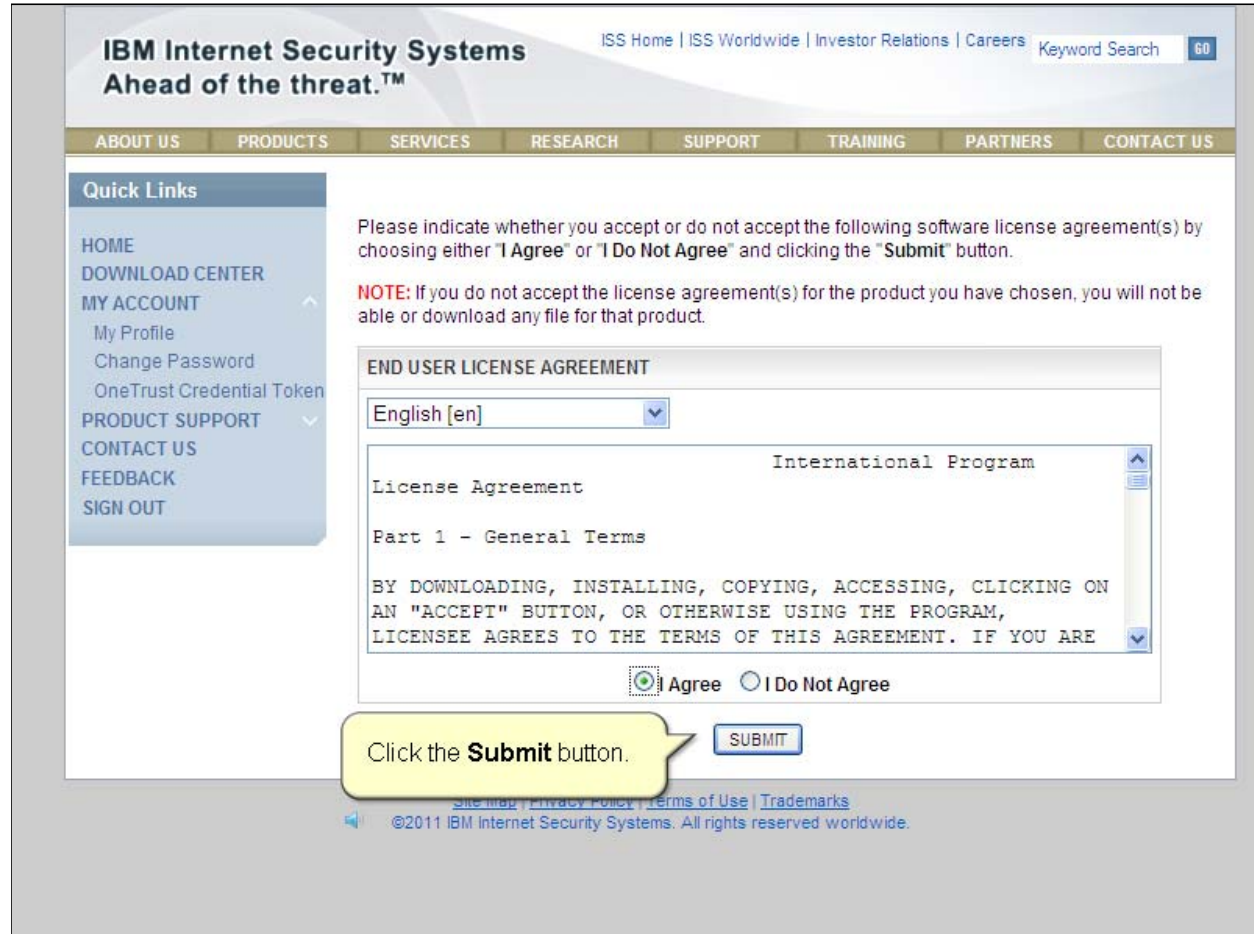
To accept the End User License Agreement, select the **I Agree** option.

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# IBM Security Network IPS V4.1, Reimage the appliance with a USB device

Slide 15



**IBM Internet Security Systems**  
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ISS Home | ISS Worldwide | Investor Relations | Careers | Keyword Search

ABOUT US | PRODUCTS | SERVICES | RESEARCH | SUPPORT | TRAINING | PARTNERS | CONTACT US

**Quick Links**

- HOME
- DOWNLOAD CENTER
- MY ACCOUNT ▲
  - My Profile
  - Change Password
  - OneTrust Credential Token
- PRODUCT SUPPORT ▼
- CONTACT US
- FEEDBACK
- SIGN OUT

Please indicate whether you accept or do not accept the following software license agreement(s) by choosing either "I Agree" or "I Do Not Agree" and clicking the "Submit" button.

**NOTE:** If you do not accept the license agreement(s) for the product you have chosen, you will not be able to download any file for that product.

**END USER LICENSE AGREEMENT**

English [en] ▼

International Program

License Agreement

Part 1 - General Terms

BY DOWNLOADING, INSTALLING, COPYING, ACCESSING, CLICKING ON AN "ACCEPT" BUTTON, OR OTHERWISE USING THE PROGRAM, LICENSEE AGREES TO THE TERMS OF THIS AGREEMENT. IF YOU ARE

Agree  I Do Not Agree

Click the **Submit** button.

[Site Map](#) | [Privacy Policy](#) | [Terms of Use](#) | [Trademarks](#)

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# IBM Security Network IPS V4.1, Reimage the appliance with a USB device

Slide 16

The screenshot shows the IBM Security Network IPS V4.1 download center. The page has a header with the slogan "Ahead of the threat.™" and a navigation menu with links for ABOUT US, PRODUCTS, SERVICES, RESEARCH, SUPPORT, TRAINING, PARTNERS, and CONTACT US. On the left, there is a "Quick Links" sidebar with options like HOME, DOWNLOAD CENTER, MY ACCOUNT, and PRODUCT SUPPORT. The main content area is titled "File Downloads" and features a search bar and a "Show 10 entries" dropdown. Three file entries are listed, each with its file size, filename, SHA-1, and MD5 hash, and a "Download" button. The third entry, "PROVENTIA GX6116 FIRMWARE 4.1 RECOVERY USB IMAGE", is highlighted with a red rectangular box. A yellow callout bubble with the text "Click Download." points to the "Download" button of this entry.

PROVENTIA GX6116 FIRMWARE 4.1 RECOVERY IMAGE README	
File Size:	9.498 KB
Filename:	Proventia_Network_IPS_FW4.1_Readme.htm
SHA-1:	dcce0ee76eec82ee473efde0f60ab898
MD5:	c3b222ec591d1f120e58aad256df90c67df1cbc

PROVENTIA GX6116 FIRMWARE 4.1 RECOVERY ISO IMAGE	
File Size:	244971.52 KB
Filename:	GX6116bootsrv.4.1_2010.0605_11.34.26.iso
SHA-1:	093b623bff740eda5d97a21e8184438f
MD5:	2b1d462c6abf41bb052939c95f75887078c08afb

PROVENTIA GX6116 FIRMWARE 4.1 RECOVERY USB IMAGE	
File Size:	257949.696 KB
Filename:	GX6116.4.1_2010.0605_11.34.26.usbimg
SHA-1:	dba4e6a0e8d586adb947e69df4737eb1
MD5:	f354c00ef64d2d42ae22f1546f5a116b4f0d4d7b



# IBM Security Network IPS V4.1, Reimage the appliance with a USB device

Slide 17

The screenshot shows the IBM Security Network IPS V4.1 web interface. At the top, there is a navigation bar with links: ABOUT US, PRODUCTS, SERVICES, RESEARCH, SUPPORT, TRAINING, PARTNERS, and CONTACT US. Below this is a 'Quick Links' sidebar with options like HOME, DOWNLOAD CENTER, MY ACCOUNT, My Profile, Change Password, OneTrust Credential T, PRODUCT SUPPORT, CONTACT US, FEEDBACK, and SIGN OUT. The main content area displays a file download dialog box titled 'File Download' with the question 'Do you want to save this file, or find a program online to open it?'. The dialog shows file details: Name: GX6116.4.1\_2010.0605\_11.34.26.usbimg, Type: Unknown File Type, 246MB, and From: download.iss.net. Below the dialog, there is a table of files for download. A yellow callout box points to the 'Save' button in the dialog, stating 'To download the image, click Save.'.

Filename	File Size	SHA-1	MD5	Action
GX6116.4.1_2010.0605_11.34.26.usbimg	246 MB	093b623bff740eda5d97a21e8184438f	2b1d462c6abf41bb052939c95f75887078c08afb	Download
<b>PROVENTIA GX6116 FIRMWARE 4.1 RECOVERY USB IMAGE</b>				
File Size:	257949.696 KB			
Filename:	GX6116.4.1_2010.0605_11.34.26.usbimg			Download
SHA-1:	dba4e6a0e8d586adb947e69df4737eb1			
MD5:	f354c00ef64d2d42ae22f1546f5a116b4f0d4d7b			

# IBM Security Network IPS V4.1, Reimage the appliance with a USB device

Slide 18

0% of GetFile.php from download.iss.net Completed

**Save As**

Save in: Downloads

File name: GX6116.4.1\_2010.0605\_11.34.26.usbimg

Save as type: .usbimg Document

Save Cancel

Navigate to a secure network location and click **Save**.

Filename:	GX6116.4.1_2010.0605_11.34.26.usbimg
SHA-1:	dba4e6a0e8d586adb947e69df4737eb1
MD5:	f354c00ef64d2d42ae22f1546f5a116b4f0d4d7b

# IBM Security Network IPS V4.1, Reimage the appliance with a USB device

Slide 19

The screenshot shows the IBM Security Network IPS V4.1 web interface. The page header includes the slogan "Ahead of the threat.™" and a navigation menu with links for ABOUT US, PRODUCTS, SERVICES, RESEARCH, SUPPORT, TRAINING, PARTNERS, and CONTACT US. A sidebar on the left contains "Quick Links" such as HOME, DOWNLOAD CENTER, MY ACCOUNT, My Profile, Change Password, OneTrust Credential T, PRODUCT SUPPORT, CONTACT US, FEEDBACK, and SIGN OUT. The main content area displays a download progress dialog box for "GetFile.php from download.iss.net". The dialog box shows a progress bar at 1% completion, with an estimated time left of 14 min 30 sec (448KB of 246MB copied). The download destination is C:\...\GX6116.4.1\_2010.0605\_11.34.26.usbimg, and the transfer rate is 288KB/Sec. There are buttons for "Open", "Open Folder", and "Cancel". A SmartScreen warning is visible at the bottom of the dialog box, stating "SmartScreen Filter checked this download and did not report any threats. Report an unsafe download." A yellow callout bubble points to the progress bar with the text "The download begins." Below the dialog box, the page shows the SHA-1 and MD5 hashes for the downloaded file. The main content area also displays the "PROVENTIA GX6116 FIRMWARE 4.1 RECOVERY USB IMAGE" section, which includes the File Size (257949.696 KB), Filename (GX6116.4.1\_2010.0605\_11.34.26.usbimg), SHA-1 (dba4e6a0e8d586adb947e69df4737eb1), and MD5 (f354c00ef64d2d42ae22f1546f5a116b4f0d4d7b) for the recovery image, along with a "Download" button.

1% of GetFile.php from download.iss.net Completed

GetFile.php from download.iss.net

Estimated time left: 14 min 30 sec (448KB of 246MB copied)

Download to: C:\...\GX6116.4.1\_2010.0605\_11.34.26.usbimg

Transfer rate: 288KB/Sec

Close this dialog box when download completes

Open Open Folder Cancel

SmartScreen Filter checked this download and did not report any threats. Report an unsafe download.

SHA-1: 0930823011740e0a5097a21e8184438f

MD5: 2b1d462c6abf41bb052939c95f75887078c08afb

PROVENTIA GX6116 FIRMWARE 4.1 RECOVERY USB IMAGE

File Size: 257949.696 KB

Filename: GX6116.4.1\_2010.0605\_11.34.26.usbimg

SHA-1: dba4e6a0e8d586adb947e69df4737eb1

MD5: f354c00ef64d2d42ae22f1546f5a116b4f0d4d7b

Download

Download

# IBM Security Network IPS V4.1, Reimage the appliance with a USB device

Slide 20

The screenshot shows a web interface with a navigation menu on the left and a main content area. A dialog box is overlaid on the page, indicating a download progress of 20% for 'GetFile.php from download.iss.net'. The dialog box includes a progress bar, estimated time left (21 min 50 sec), download to path, and transfer rate. Below the dialog box, there is a section for downloading a file named 'PROVENTIA GX6116 FIRMWARE 4.1 RECOVERY USB IMAGE'. This section displays the file size (257949.696 KB), filename, and SHA-1 and MD5 hashes. A 'Download' button is visible next to the file information.

**Ahead of the threat.™**

ABOUT US | PRODUCTS | SERVICES | RESEARCH | SUPPORT | TRAINING | PARTNERS | CONTACT US

**Quick Links**

- HOME
- DOWNLOAD CENTER
- MY ACCOUNT
  - My Profile
  - Change Password
  - OneTrust Credential T
- PRODUCT SUPPORT
- CONTACT US
- FEEDBACK
- SIGN OUT

**20% of GetFile.php from download.iss.net Completed**

GetFile.php from download.iss.net

Estimated time left: 21 min 50 sec (47.5MB of 246MB copied)

Download to: C:\...\GX6116.4.1\_2010.0605\_11.34.26.usbimg

Transfer rate: 154KB/Sec

Close this dialog box when download completes

Open | Open Folder | Cancel

SmartScreen Filter checked this download and did not report any threats. [Report an unsafe download.](#)

SHA-1: 0930823011740e0a5097a21e81844381

MD5: 2b1d462c6abf41bb052939c95f75887078c08afb

**PROVENTIA GX6116 FIRMWARE 4.1 RECOVERY USB IMAGE**

File Size: 257949.696 KB

Filename: GX6116.4.1\_2010.0605\_11.34.26.usbimg

SHA-1: dba4e6a0e8d586adb947e69df4737eb1

MD5: f354c00ef64d2d42ae22f1546f5a116b4f0d4d7b

Download

# IBM Security Network IPS V4.1, Reimage the appliance with a USB device

Slide 21

The screenshot shows a web interface with a navigation menu on the left and a main content area. A dialog box is overlaid on the page, indicating the progress of a file download. The dialog box title is "47% of GetFile.php from download.iss.net Completed". It shows a progress bar at 47%, an estimated time left of 16 min 30 sec (114MB of 246MB copied), and the download destination: C:\...\GX6116.4.1\_2010.0605\_11.34.26.usbimg. The transfer rate is 135KB/Sec. There are buttons for "Open", "Open Folder", and "Cancel". Below the dialog box, there is a section for "PROVENTIA GX6116 FIRMWARE 4.1 RECOVERY USB IMAGE" with a "Download" button. The section includes the following information:

SHA-1:	0930823011740e0a5097321e81844381
MD5:	2b1d462c6abf41bb052939c95f75887078c08afb
File Size:	257949.696 KB
Filename:	GX6116.4.1_2010.0605_11.34.26.usbimg
SHA-1:	dba4e6a0e8d586adb947e69df4737eb1
MD5:	f354c00ef64d2d42ae22f1546f5a116b4f0d4d7b

# IBM Security Network IPS V4.1, Reimage the appliance with a USB device

Slide 22

The screenshot shows a web browser window displaying the IBM Security Network IPS V4.1 interface. The page title is "Ahead of the threat.™". The navigation menu includes "ABOUT US", "PRODUCTS", "SERVICES", "RESEARCH", "SUPPORT", "TRAINING", "PARTNERS", and "CONTACT US". A "Quick Links" sidebar on the left lists "HOME", "DOWNLOAD CENTER", "MY ACCOUNT", "My Profile", "Change Password", "OneTrust Credential T", "PRODUCT SUPPORT", "CONTACT US", "FEEDBACK", and "SIGN OUT".

A download progress dialog box is open in the foreground, titled "70% of GetFile.php from download.iss.net Completed". The dialog shows a progress bar at 70% and the following information:

- GetFile.php from download.iss.net
- Estimated time left: 10 min 20 sec (170MB of 246MB copied)
- Download to: C:\...\GX6116.4.1\_2010.0605\_11.34.26.usbimg
- Transfer rate: 124KB/Sec
- Close this dialog box when download completes

Buttons at the bottom of the dialog are "Open", "Open Folder", and "Cancel".

Below the dialog, a SmartScreen Filter warning is visible: "SmartScreen Filter checked this download and did not report any threats. Report an unsafe download." A green checkmark icon is next to the text.

The background page shows a download section with the following information:

SHA-1: 0930823011740e0a5097321e81844381  
MD5: 2b1d462c6abf41bb052939c95f75887078c08afb

PROVENTIA GX6116 FIRMWARE 4.1 RECOVERY USB IMAGE

File Size: 257949.696 KB  
Filename: GX6116.4.1\_2010.0605\_11.34.26.usbimg  
SHA-1: dba4e6a0e8d586adb947e69df4737eb1  
MD5: f354c00ef64d2d42ae22f1546f5a116b4f0d4d7b

Download buttons are visible next to the filename and the second MD5 hash.

# IBM Security Network IPS V4.1, Reimage the appliance with a USB device

Slide 23

The screenshot shows the IBM Security Network IPS V4.1 web interface. The page header includes the slogan "Ahead of the threat.™" and a navigation menu with links for ABOUT US, PRODUCTS, SERVICES, RESEARCH, SUPPORT, TRAINING, PARTNERS, and CONTACT US. A "Quick Links" sidebar on the left contains links for HOME, DOWNLOAD CENTER, MY ACCOUNT, My Profile, Change Password, OneTrust Credential T, PRODUCT SUPPORT, CONTACT US, FEEDBACK, and SIGN OUT. The main content area displays a download progress dialog box for "GetFile.php from download.iss.net". The dialog shows a progress bar at 98%, with an estimated time left of 52 seconds (240MB of 246MB copied). The download destination is C:\...\GX6116.4.1\_2010.0605\_11.34.26.usbimg, and the transfer rate is 108KB/Sec. The dialog also includes a checkbox for "Close this dialog box when download completes" and buttons for "Open", "Open Folder", and "Cancel". Below the dialog, a SmartScreen warning states: "SmartScreen Filter checked this download and did not report any threats. Report an unsafe download." The background shows a download list with columns for SHA-1 and MD5 hashes, and a "Download" button for the file "PROVENTIA GX6116 FIRMWARE 4.1 RECOVERY USB IMAGE".

98% of GetFile.php from download.iss.net Completed

GetFile.php from download.iss.net

Estimated time left: 52 sec (240MB of 246MB copied)

Download to: C:\...\GX6116.4.1\_2010.0605\_11.34.26.usbimg

Transfer rate: 108KB/Sec

Close this dialog box when download completes

Open Open Folder Cancel

SmartScreen Filter checked this download and did not report any threats. Report an unsafe download.

SHA-1: 0930823011740e0a5097321e81844381

MD5: 2b1d462c6abf41bb052939c95f75887078c08afb

PROVENTIA GX6116 FIRMWARE 4.1 RECOVERY USB IMAGE

File Size: 257949.696 KB

Filename: GX6116.4.1\_2010.0605\_11.34.26.usbimg

SHA-1: dba4e6a0e8d586adb947e69df4737eb1

MD5: f354c00ef64d2d42ae22f1546f5a116b4f0d4d7b

# IBM Security Network IPS V4.1, Reimage the appliance with a USB device

Slide 24

The screenshot shows a web browser window displaying the IBM Security Network IPS V4.1 interface. The page title is "Ahead of the threat.™". The navigation menu includes "ABOUT US", "PRODUCTS", "SERVICES", "RESEARCH", "SUPPORT", "TRAINING", "PARTNERS", and "CONTACT US". A "Quick Links" sidebar on the left contains links for "HOME", "DOWNLOAD CENTER", "MY ACCOUNT", "My Profile", "Change Password", "OneTrust Credential T", "PRODUCT SUPPORT", "CONTACT US", "FEEDBACK", and "SIGN OUT".

A download progress dialog box is open in the foreground, titled "99% of GetFile.php from download.iss.net Completed". The dialog shows a progress bar at 99%, with the text "GetFile.php from download.iss.net" and "Estimated time left 34 sec (242MB of 246MB copied)". The download destination is "C:\...\GX6116.4.1\_2010.0605\_11.34.26.usbimg" with a transfer rate of "107KB/Sec". There is a checked checkbox for "Close this dialog box when download completes". Buttons for "Open", "Open Folder", and "Cancel" are visible.

Below the dialog box, a SmartScreen Filter warning is displayed: "SmartScreen Filter checked this download and did not report any threats. Report an unsafe download." Below this, the file's SHA-1 and MD5 hashes are shown:

SHA-1:	0930823011740e0a5097a21e81844381
MD5:	2b1d462c6abf41bb052939c95f75887078c08afb

Below the hashes, the file details for "PROVENTIA GX6116 FIRMWARE 4.1 RECOVERY USB IMAGE" are shown:

File Size:	257949.696 KB	Download
Filename:	GX6116.4.1_2010.0605_11.34.26.usbimg	
SHA-1:	dba4e6a0e8d586adb947e69df4737eb1	
MD5:	f354c00ef64d2d42ae22f1546f5a116b4f0d4d7b	



# IBM Security Network IPS V4.1, Reimage the appliance with a USB device

Slide 25

The screenshot shows a web browser window with the title "Ahead of the threat.™". The navigation menu includes: ABOUT US, PRODUCTS, SERVICES, RESEARCH, SUPPORT, TRAINING, PARTNERS, CONTACT US. A "Quick Links" sidebar lists: HOME, DOWNLOAD CENTER, MY ACCOUNT, My Profile, Change Password, OneTrust Credential T, PRODUCT SUPPORT, CONTACT US, FEEDBACK, SIGN OUT. The main content area displays a download progress window for "99% of GetFile.php from download.iss.net Completed". A "Copying..." dialog box is overlaid, showing the file "GX6116.4.1\_2010.0605\_11.34.26[1].usbimg" being copied from "80XYWBBS" to "Downloads". Below the dialog, a SmartScreen Filter warning states: "SmartScreen Filter checked this download and did not report any threats. Report an unsafe download." The background shows a download list for "PROVENTIA GX6116 FIRMWARE 4.1 RECOVERY USB IMAGE" with the following details:

File Size:	257949.696 KB	Download
Filename:	GX6116.4.1_2010.0605_11.34.26.usbimg	
SHA-1:	dba4e6a0e8d586adb947e69df4737eb1	
MD5:	f354c00ef64d2d42ae22f1546f5a116b4f0d4d7b	

# IBM Security Network IPS V4.1, Reimage the appliance with a USB device

Slide 26

The screenshot shows a web portal interface with a navigation menu on the left and a main content area. A file download progress window is overlaid on the page, showing the file 'GX6116.4.1\_2010.0605\_11.34.26[1].usbimg' being copied from '80XYWBBS' to 'Downloads'. The progress bar is at 99% and indicates 15 seconds remaining. A SmartScreen warning is visible at the bottom of the progress window, stating 'SmartScreen Filter checked this download and did not report any threats. Report an unsafe download.' The main content area displays the file's details, including its size (257949.696 KB), filename, and SHA-1 and MD5 hashes.

**Ahead of the threat.™**

ABOUT US | PRODUCTS | SERVICES | RESEARCH | SUPPORT | TRAINING | PARTNERS | CONTACT US

**Quick Links**

- HOME
- DOWNLOAD CENTER
- MY ACCOUNT
  - My Profile
  - Change Password
  - OneTrust Credential T
- PRODUCT SUPPORT
- CONTACT US
- FEEDBACK
- SIGN OUT

99% of GetFile.php from download.iss.net Completed

**Copying...**

Getf  
Esti  
Dow  
Tran  
✓ C

GX6116.4.1\_2010.0605\_11.34.26[1].usbimg  
From '80XYWBBS' to 'Downloads'

15 Seconds Remaining

Open | Open Folder | Cancel

SmartScreen Filter checked this download and did not report any threats. [Report an unsafe download.](#)

SHA-1: 0930823011740e0a5097321e8184438f  
MD5: 2b1d462c6abf41bb052939c95f75887078c08afb

**PROVENTIA GX6116 FIRMWARE 4.1 RECOVERY USB IMAGE**

File Size: 257949.696 KB  
Filename: GX6116.4.1\_2010.0605\_11.34.26.usbimg  
SHA-1: dba4e6a0e8d586adb947e69df4737eb1  
MD5: f354c00ef64d2d42ae22f1546f5a116b4f0d4d7b

Download

Download

Download

# IBM Security Network IPS V4.1, Reimage the appliance with a USB device

Slide 27

The screenshot shows a web portal with a navigation menu on the left and a main content area. A file download progress window is overlaid on the page, showing the file 'GX6116.4.1\_2010.0605\_11.34.26[1].usbimg' being copied from '80XYWBBS' to 'Downloads'. The progress bar is at 99%, and there are 10 seconds remaining. A SmartScreen Filter warning is also visible, indicating that the download was checked and no threats were reported.

**Ahead of the threat.™**

ABOUT US | PRODUCTS | SERVICES | RESEARCH | SUPPORT | TRAINING | PARTNERS | CONTACT US

**Quick Links**

- HOME
- DOWNLOAD CENTER
- MY ACCOUNT
  - My Profile
  - Change Password
  - OneTrust Credential T
- PRODUCT SUPPORT
- CONTACT US
- FEEDBACK
- SIGN OUT

99% of GetFile.php from download.iss.net Completed

**Copying...**

Getf  
Esti  
Dow  
Tran  
✓ C

GX6116.4.1\_2010.0605\_11.34.26[1].usbimg  
From '80XYWBBS' to 'Downloads'

10 Seconds Remaining

Open | Open Folder | Cancel

SmartScreen Filter checked this download and did not report any threats. [Report an unsafe download.](#)

SHA-1: 0930823011740e0a5097321e8184438f  
MD5: 2b1d462c6abf41bb052939c95f75887078c08afb

**PROVENTIA GX6116 FIRMWARE 4.1 RECOVERY USB IMAGE**

File Size: 257949.696 KB  
Filename: GX6116.4.1\_2010.0605\_11.34.26.usbimg  
SHA-1: dba4e6a0e8d586adb947e69df4737eb1  
MD5: f354c00ef64d2d42ae22f1546f5a116b4f0d4d7b

Download

Download

Download

# IBM Security Network IPS V4.1, Reimage the appliance with a USB device

Slide 28

The screenshot shows a web portal with a navigation menu and a download progress window. The progress window is titled "Copying..." and shows the file "GX6116.4.1\_2010.0605\_11.34.26[1].usbimg" being copied from "80XYWBBS" to "Downloads". The progress bar is at 99% and indicates 10 seconds remaining. A SmartScreen warning is visible at the bottom of the progress window, stating "SmartScreen Filter checked this download and did not report any threats. Report an unsafe download." The background shows a download page for "PROVENTIA GX6116 FIRMWARE 4.1 RECOVERY USB IMAGE" with a "Download" button.

99% of GetFile.php from download.iss.net Completed

Copying...

Getf  
Esti  
Dow  
Tran  
[x] C

GX6116.4.1\_2010.0605\_11.34.26[1].usbimg  
From '80XYWBBS' to 'Downloads'

10 Seconds Remaining

Cancel

Open Open Folder Cancel

SmartScreen Filter checked this download and did not report any threats. Report an unsafe download.

SHA-1: 0930823011740e0a5097321e8184438f  
MD5: 2b1d462c6abf41bb052939c95f75887078c08afb

PROVENTIA GX6116 FIRMWARE 4.1 RECOVERY USB IMAGE

File Size: 257949.696 KB  
Filename: GX6116.4.1\_2010.0605\_11.34.26.usbimg  
SHA-1: dba4e6a0e8d586adb947e69df4737eb1  
MD5: f354c00ef64d2d42ae22f1546f5a116b4f0d4d7b

Download

Download

Download

# IBM Security Network IPS V4.1, Reimage the appliance with a USB device

Slide 29

The screenshot displays the IBM Security Network IPS V4.1 download center. The page header includes the slogan "Ahead of the threat.™" and a navigation menu with links for ABOUT US, PRODUCTS, SERVICES, RESEARCH, SUPPORT, TRAINING, PARTNERS, and CONTACT US. A "Quick Links" sidebar on the left provides shortcuts to HOME, DOWNLOAD CENTER, MY ACCOUNT, and PRODUCT SUPPORT. The main content area, titled "File Downloads", shows a search bar and a "Show 10 entries" dropdown. Three file entries are listed, each with its file size, filename, SHA-1 hash, MD5 hash, and a "Download" button. A callout box highlights the first entry, stating: "You might find it helpful to download the Readme file."

File Name	File Size	Filename	SHA-1	MD5	Action
PROVENTIA GX6116 FIRMWARE 4.1 RECOVERY IMAGE README	9.498 KB	Proventia_Network_IPS_FW4.1_Readme.htm	dcce0ee76eec82ee473efde0f60ab898	c3b222ec591d1f120e58aad256df90c67df1cbc	Download
PROVENTIA GX6116 FIRMWARE 4.1 RECOVERY ISO IMAGE	244971.52 KB	GX6116bootsrv.4.1_2010.0605_11.34.26.iso	093b623bff740eda5d97a21e8184438f	2b1d462c6abf41bb052939c95f75887078c08afb	Download
PROVENTIA GX6116 FIRMWARE 4.1 RECOVERY USB IMAGE	257949.696 KB	GX6116.4.1_2010.0605_11.34.26.usbimg	dba4e6a0e8d586adb947e69df4737eb1	f354c00ef64d2d42ae22f1546f5a116b4f0d4d7b	Download

Slide 30



### Reimaging the appliance

- You can use the following operating systems to write the USB image file to a USB device:
  - Windows
  - Linux
  - Mac
- Reimaging the IBM Security Network Intrusion Prevention System appliance erases all data from the system and returns it to the unconfigured factory default

**Important:** Reimage your appliance under the guidance of [IBM Technical Support](#)

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Slide 31



### Writing the USB image file to a USB device

For the procedures to write the USB image file to a USB device on a specific operating system, refer to the following procedures in the [Network Intrusion Prevention System Installation Guide](#):

- Retrieving and installing firmware using a USB device on a Windows OS
- Retrieving and installing firmware using a USB device on a Linux OS
- Retrieving and installing firmware using a USB device on a Mac OS

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For the procedures to write the USB image file to a USB device on a specific operating system, refer to the procedures listed on the slide.

Slide 32



### Installing the firmware on an appliance

To install firmware version 4.1 on an appliance using a USB device:

1. Turn off the appliance
2. Connect the USB device to the appliance
3. Start the appliance

You might need to type **b** for USB or go into the BIOS

4. Type **reinstall**

The firmware is installed on the appliance



Slide 33



### Further reference

For information about how to configure the IBM Security Network Intrusion Prevention System appliance, see the [Configuring the appliance](#) IBM Education Assistant module

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Slide 34



### Summary

Now that you have completed the module, you are able to:

- Retrieve the appliance USB image from the IBM Download Center
- Use a USB device to install firmware on an appliance

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Now that you have completed the module, take a moment to review the module objectives.

Slide 35

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