

## IBM Security Network IPS V4.1, Reimage the appliance with a USB CD-ROM drive

Slide 1

Tivoli

IBM

IBM Security Network Intrusion Prevention System V4.1

Reimage the appliance with a USB CD-ROM drive



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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## IBM Security Network IPS V4.1, Reimage the appliance with a USB CD-ROM drive

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### Objectives

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

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

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## IBM Security Network IPS V4.1, Reimage the appliance with a USB CD-ROM drive

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### Retrieving an ISO image

- To restore or reimage your IBM Security Network Intrusion Prevention System appliance with firmware version 4.1, you must first download the ISO image for this firmware release from the [IBM Download Center](#)
- Use the ISO image to create a CD that can be used in a PXE boot server or USB CD-ROM drive to restore or reimage your appliance

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# IBM Security Network IPS V4.1, Reimage the appliance with a USB CD-ROM drive

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 options 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 top 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 | Inv

ABOUT US | PRODUCTS | SERVICES | RESEARCH | SUPPORT | T

**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**

- 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
- Internet Scanner 7.0 SP2 - 7.2.98
- Enterprise Scanner Content Update 1.84 (CAM)
- Proventia and RealSecure Host Content Updates - 31.082 and 2675
- Proventia Network - Content Update 31.082

**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 ISO 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 CD-ROM drive

Slide 5

The screenshot displays the IBM Internet Security Systems website. The header includes the logo "IBM Internet Security Systems Ahead of the threat.™" and navigation links for "ISS Home", "ISS Worldwide", "Investor Relations", and "Careers". A search bar is located in the top right corner. Below the header is a navigation menu with tabs for "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". Below the dropdown is a list of product categories: 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 recent 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 heading and a blank box below it.
- SPECIAL DOWNLOADS:** A section with a heading and a blank box below it.

# IBM Security Network IPS V4.1, Reimage the appliance with a USB CD-ROM drive

Slide 6

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 "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 Password, OneTrust Credential Token), PRODUCT SUPPORT, CONTACT US, FEEDBACK, and SIGN OUT.
- PRODUCT DOWNLOADS:** A central section titled "Select A Product" with a dropdown menu currently set to "BETA". The dropdown list includes: 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; 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; Proventia Network Security Controller; and Proventia Server.
- 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 CD-ROM drive

Slide 7

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 links for "ISS Home", "ISS Worldwide", "Investor Relations", and "Careers" are present, along with a "Keyword Search" field. A secondary navigation bar contains links for "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 options like HOME, DOWNLOAD CENTER, MY ACCOUNT, My Profile, Change P, OneTrust, PRODUCT SUPPORT, CONTACT US, FEEDBACK, and SIGN OUT.
- PRODUCT DOWNLOADS:** A central 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 including "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", "Internet Scanner 7.0 SP2 - 7.2.98", "Enterprise Scanner Content Update 1.84 (CAM)", "Proventia and RealSecure Host Content Updates - 31.082 and 2675", and "Proventia Network - Content Update 31.082".
- LATEST UPDATES:** A list of updates including "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 search input field.
- SPECIAL DOWNLOADS:** A section with a search input field.

# IBM Security Network IPS V4.1, Reimage the appliance with a USB CD-ROM drive

Slide 8

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 magnifying glass icon. 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 the "ENTERPRISE PRODUCT DOWNLOADS" section. 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, 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 CD-ROM drive

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 magnifying glass icon. 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 a sub-menu 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", along with a copyright notice: "©2011 IBM Internet Security Systems. All rights reserved".

# IBM Security Network IPS V4.1, Reimage the appliance with a USB CD-ROM drive

Slide 10

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 magnifying glass icon. 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 a sub-menu 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: "Product" and "Version". The "Product" dropdown is currently set to "Proventia Network IPS (GX-Series)". The "Version" dropdown is open, showing a list of version numbers: "Select a Version", "Select a Version", "GX5208", "GV200", "GX7800", "GX7412", "GV1000", "GX4004C-V2-200", "GX6116" (highlighted in blue), "GX3002", "GX5108", "GX5008", "GX4004", and "GX4002".

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

# IBM Security Network IPS V4.1, Reimage the appliance with a USB CD-ROM drive

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ISS Home | ISS Worldwide | Investor Relations | Careers

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:

Show  entries Search:

File Group	Release Date	
Proventia Network - Content Update 31.082	2011-9-9	<a href="#">Continue</a>
Proventia Network - Content Update 31.080	2011-9-7	<a href="#">Continue</a>
Proventia Network - Content Update 31.092	2011-9-27	<a href="#">Continue</a>
Proventia Network - Content Update 31.090	2011-9-13	<a href="#">Continue</a>
Proventia Network - Content Update 31.060	2011-7-5	<a href="#">Continue</a>
Proventia Network - Content Update 31.070	2011-7-13	<a href="#">Continue</a>
Proventia Network - Content Update 31.050	2011-5-11	<a href="#">Continue</a>
Proventia Network - Content Update 31.041		
Proventia Network - Content Update 31.040		
Proventia Network - Content Update 31.031	2011-4-14	<a href="#">Continue</a>

Showing 1 to 10 of 28 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 CD-ROM drive

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IBM Internet Security Systems  
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ISS Home | ISS Worldwide | Investor Relations | Careers

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	<a href="#">Continue</a>
Proventia Network - Content Update 31.021	2011-2-23	<a href="#">Continue</a>
Proventia Network - Content Update 31.020	2011-2-18	<a href="#">Continue</a>
Proventia Content Update 31.020	2011-2-17	<a href="#">Continue</a>
Proventia IPS 4.1 Firmware - Undeployed Site Protector Policy Migration Script	2010-7-8	<a href="#">Continue</a>
<b>Proventia GX6116 Firmware 4.1 Recovery Image</b>	2010-6-17	<a href="#">Continue</a>
Proventia GX6116 Firmware Update v3.3 and v4.1	2010-6-10	<a href="#">Continue</a>
Proventia GX6116 Firmware Update v2.5 and v4.1	2010-6-10	<a href="#">Continue</a>
Proventia GX6116 Firmware v4.3 Recovery Image	2010-11-22	<a href="#">Continue</a>
Proventia Network IPS Firmware v4.3	2010-11-18	<a href="#">Continue</a>

Showing 11 to 20 of 28 entries

Click **Continue**.

# IBM Security Network IPS V4.1, Reimage the appliance with a USB CD-ROM drive

Slide 13

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 for "ISS Home", "ISS Worldwide", "Investor Relations", and "Careers". A search bar is located in the top right corner. Below the header is a navigation menu with categories: "ABOUT US", "PRODUCTS", "SERVICES", "RESEARCH", "SUPPORT", "TRAINING", "PARTNERS", and "CONTACT US".

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

The main content area displays a message: "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." Below this is a red "NOTE": "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."

The "END USER LICENSE AGREEMENT" form is shown with a language dropdown set to "English [en]". The license agreement text is partially visible, including "International Program" and "Part 1 - General Terms". The text reads: "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".

At the bottom of the form, there are two radio buttons: "I Agree" (which is selected) and "I Do Not Agree". A "SUBMIT" button is located below the radio buttons.

A yellow callout box with a pointer to the "I Agree" radio button contains the text: "To accept the End User License Agreement, select the **I Agree** option."

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

# IBM Security Network IPS V4.1, Reimage the appliance with a USB CD-ROM drive

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**IBM Internet Security Systems** Ahead of the threat.™

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] ∨

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 ∨

Agree  I Do Not Agree

Click the **Submit** button.

[Site Map](#) | [Contact Us](#) | [Terms of Use](#) | [Trademarks](#)

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# IBM Security Network IPS V4.1, Reimage the appliance with a USB CD-ROM drive

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The screenshot shows the IBM Internet Security Systems website. The header includes the IBM logo and the slogan "Ahead of the threat.™". Navigation links include "ABOUT US", "PRODUCTS", "SERVICES", "RESEARCH", "SUPPORT", "TRAINING", "PARTNERS", and "CONTACT US". A search bar is located in the top right corner.

On the left side, there is a "Quick Links" menu with the following items: 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 is titled "File Downloads" and displays a list of three files. The second file, "PROVENTIA GX6116 FIRMWARE 4.1 RECOVERY ISO IMAGE", is highlighted with a red border. A yellow callout bubble with the text "Click Download." points to the "Download" button for this file.

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:	c3b222ec591d1ff120e58aad256df90c67fdf1cbc

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



# IBM Security Network IPS V4.1, Reimage the appliance with a USB CD-ROM drive

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The screenshot shows the IBM Internet Security Systems website with a file download dialog box open. The dialog box asks "Do you want to open or save this file?" and provides details for the file: Name: GX6116bootsrv.4.1\_2010.0605\_11.34.26.iso, Type: WinZip File, 233MB, and From: download.iss.net. A yellow callout box points to the "Save" button, stating "To download the ISO file, click **Save**." The background shows a file list with columns for File Size, Filename, SHA-1, and MD5, and a "Download" button for each file.

IBM Internet Security Systems  
Ahead of the threat.™

ISS Home | ISS Worldwide | Investor Relations | Careers Keyword Search 60

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

File Download

Do you want to open or save this file?

Name: GX6116bootsrv.4.1\_2010.0605\_11.34.26.iso  
Type: WinZip File, 233MB  
From: download.iss.net

Open Save Cancel

To download the ISO file, click **Save**.

While files from the Internet can be helpful, some files can potentially harm your computer. If you are unsure of the source, do not open or save them.

Quick Links

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

TRAINING PARTNERS CONTACT US

Search:

GE README

adme.htm

98

0c67fdf1cbc

D IMAGE

File Size:	244971.52 KB	<input type="button" value="Download"/>
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	<input type="button" value="Download"/>
Filename:	GX6116.4.1_2010.0605_11.34.26.usbimg	
SHA-1:	dba4e6a0e8d586adb947e69df4737eb1	

# IBM Security Network IPS V4.1, Reimage the appliance with a USB CD-ROM drive

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IBM Internet Security Systems  
Ahead of the threat.™

ISS Home | ISS Worldwide | Investor Relations | Careers Keyword Search 60

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

Save As

Save in: Downloads

My Recent Documents  
Desktop  
My Documents  
My Computer  
My Network

File name: GX6116bootsrv.4.1\_2010.0605\_11.34.26.iso  
Save as type: WinZip File

Save Cancel

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

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

Download

# IBM Security Network IPS V4.1, Reimage the appliance with a USB CD-ROM drive

Slide 18

The screenshot shows the IBM Internet Security Systems website with a download progress dialog box overlaid. The dialog box is titled "2% of GetFile.php from download.iss.net Completed" and shows a progress bar at 2%. It includes the following information:

- Estimated time left: 10 min 50 sec (2.60MB of 233MB copied)
- Download to: ... \GX6116bootsrv.4.1\_2010.0605\_11.34.26.iso...
- Transfer rate: 360KB/Sec
- Close this dialog box when download completes
- Buttons: Open, Open Folder, Cancel
- SmartScreen Filter checked this download and did not report any threats. [Report an unsafe download.](#)

The background website shows a search bar and a list of files for download. A yellow callout bubble points to the "Download" button for the first file, with the text "The download begins.".

Filename:	GX6116bootsrv.4.1_2010.0605_11.34.26.iso	Download
SHA-1:	093b623bff740eda5d97a21e8184438f	
MD5:	2b1d462c6abf41bb052939c95f75887078c08afb	
PROVENTIA GX6116 FIRMWARE 4.1 RECOVERY USB IMAGE		
File Size:	257949.696 KB	Download
Filename:	GX6116.4.1_2010.0605_11.34.26.usbimg	
SHA-1:	dba4e6a0e8d586adb947e69df4737eb1	

# IBM Security Network IPS V4.1, Reimage the appliance with a USB CD-ROM drive

Slide 19

The screenshot shows the IBM Internet Security Systems website. A download progress dialog box is open in the foreground, titled "17% of GetFile.php from download.iss.net Completed". The dialog box displays a progress bar, the file name "GetFile.php from download.iss.net", and the following information: "Estimated time left: 7 min 12 sec (38.1MB of 233MB copied)", "Download to: ... \GX6116bootsrv.4.1\_2010.0605\_11.34.26.iso...", and "Transfer rate: 463KB/Sec". There is a checkbox for "Close this dialog box when download completes" which is checked. At the bottom of the dialog box, there is a SmartScreen Filter notification: "SmartScreen Filter checked this download and did not report any threats. [Report an unsafe download.](#)".

The background website shows the IBM logo and the slogan "Ahead of the threat.™". The navigation menu includes "ABOUT US", "TRAINING", "PARTNERS", and "CONTACT US". A search bar is visible with the text "Search:". Below the search bar, there are sections for "IMAGE README" and "IMAGE". The "IMAGE README" section shows a file named "adme.htm" with a "Download" button. The "IMAGE" section shows a file named "GX6116bootsrv.4.1\_2010.0605\_11.34.26.iso" with a "Download" button. Below this, there is a section for "PROVENTIA GX6116 FIRMWARE 4.1 RECOVERY USB IMAGE" with a "File Size: 257949.696 KB" and a "Download" button. The "Filename" is "GX6116.4.1\_2010.0605\_11.34.26.usbimg" and the "SHA-1" is "dba4e6a0e8d586adb947e69df4737eb1".

# IBM Security Network IPS V4.1, Reimage the appliance with a USB CD-ROM drive

Slide 20

The screenshot shows the IBM Internet Security Systems website interface. A download progress dialog box is overlaid on the page, indicating that 58% of 'GetFile.php' from 'download.iss.net' has been completed. The dialog box includes a progress bar, estimated time left (3 min 35 sec), download location, and transfer rate (474KB/Sec). It also features a checkbox for 'Close this dialog box when download completes' and a SmartScreen Filter notification.

IBM Internet Security Systems  
Ahead of the threat.™

ISS Home | ISS Worldwide | Investor Relations | Careers Keyword Search 60

ABOUT US TRAINING PARTNERS CONTACT US

Quick Links

- HOME
- DOWNLOAD
- MY ACCOUNT
  - My Profile
  - Change Password
  - OneTrust
- PRODUCTS
- CONTACT US
- FEEDBACK
- SIGN OUT

Search:

58% of GetFile.php from download.iss.net Completed

GetFile.php from download.iss.net

Estimated time left: 3 min 35 sec (133MB of 233MB copied)

Download to: ... \GX6116bootsrv.4.1\_2010.0605\_11.34.26.iso...

Transfer rate: 474KB/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.](#)

Download

Download

Download

Download

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



# IBM Security Network IPS V4.1, Reimage the appliance with a USB CD-ROM drive

Slide 21

The screenshot shows the IBM Internet Security Systems website with a download progress dialog box overlaid. The dialog box is titled "85% of GetFile.php from download.iss.net Completed" and shows a progress bar at 85%. It includes the following information:

- Estimated time left: 1 min 20 sec (196MB of 233MB copied)
- Download to: ... \GX6116bootsrv.4.1\_2010.0605\_11.34.26.iso...
- Transfer rate: 470KB/Sec
- Close this dialog box when download completes
- Buttons: Open, Open Folder, Cancel
- SmartScreen Filter checked this download and did not report any threats. [Report an unsafe download.](#)

The background website shows the following content:

- Header: IBM Internet Security Systems Ahead of the threat.™
- Navigation: ISS Home | ISS Worldwide | Investor Relations | Careers | Keyword Search [60]
- Menu: ABOUT US, TRAINING, PARTNERS, CONTACT US
- Quick Links: HOME, DOWNLOAD, MY ACCOUNT, My Profile, Change Password, OneTrust, PRODUCT SUPPORT, CONTACT US, FEEDBACK, SIGN OUT
- Search: Search: [input field]
- Download Links:
  - Download [button]
  - Download [button]
  - Download [button]
  - Download [button]
- File Information:
  - 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

# IBM Security Network IPS V4.1, Reimage the appliance with a USB CD-ROM drive

Slide 22

The screenshot shows the IBM Internet Security Systems website with a download progress dialog box overlaid. The dialog box is titled "99% of GetFile.php from download.iss.net Completed" and shows a progress bar at 99%. It includes the following information:

- Filename: GetFile.php from download.iss.net
- Estimated time left: 2 sec (232MB of 233MB copied)
- Download to: ... \GX6116bootsrv.4.1\_2010.0605\_11.34.26.iso...
- Transfer rate: 466KB/Sec
- Close this dialog box when download completes
- Buttons: Open, Open Folder, Cancel
- SmartScreen Filter checked this download and did not report any threats. [Report an unsafe download.](#)

The background website shows the following content:

- Header: IBM Internet Security Systems Ahead of the threat.™
- Navigation: ISS Home | ISS Worldwide | Investor Relations | Careers | Keyword Search [60]
- Menu: ABOUT US, TRAINING, PARTNERS, CONTACT US
- Quick Links: HOME, DOWNLOAD, MY ACCOUNT, My Profile, Change Password, OneTrust, PRODUCT SUPPORT, CONTACT US, FEEDBACK, SIGN OUT
- Search: Search: [input field]
- Download Links:
  - Download README (button)
  - adme.htm (button)
  - 98 (button)
  - 0c67fdf1cbc (button)
  - IMAGE (button)
  - Download (button)
- File Information:
  - 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 (button)
  - SHA-1: dba4e6a0e8d586adb947e69df4737eb1 (button)



# IBM Security Network IPS V4.1, Reimage the appliance with a USB CD-ROM drive

Slide 23

The screenshot shows the IBM Internet Security Systems website with a download progress window and a SmartScreen Filter warning. The progress window is titled "99% of GetFile.php from download.iss.net Completed" and shows a progress bar at 99%. The SmartScreen Filter warning states: "SmartScreen Filter checked this download and did not report any threats. Report an unsafe download." Below the warning, there are two download links with their respective file sizes, filenames, and SHA-1 hashes.

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

# IBM Security Network IPS V4.1, Reimage the appliance with a USB CD-ROM drive

Slide 24

The screenshot shows the IBM Internet Security Systems website with a file download progress window and a SmartScreen Filter warning. The progress window is titled "99% of GetFile.php from download.iss.net Completed" and shows a progress bar at 99%. The file being downloaded is "GX6116bootsrv.4.1\_2010.0605\_11.34.26[1].iso" from "QGRTZAB5" to "Downloads". The progress bar is nearly full, and the text "20 Seconds Remaining" is displayed. A "Cancel" button is visible. Below the progress bar, there are buttons for "Open", "Open Folder", and "Cancel". A SmartScreen Filter warning is also visible, stating "SmartScreen Filter checked this download and did not report any threats. Report an unsafe download." The background shows the website header with "IBM Internet Security Systems Ahead of the threat.™" and navigation links like "ABOUT US", "TRAINING", "PARTNERS", and "CONTACT US". A search bar is also present.

IBM Internet Security Systems  
Ahead of the threat.™

ISS Home | ISS Worldwide | Investor Relations | Careers Keyword Search 60

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

Copying...

Getf  
Esti  
Dow  
Tran

GX6116bootsrv.4.1\_2010.0605\_11.34.26[1].iso  
From 'QGRTZAB5' to 'Downloads'

20 Seconds Remaining

Cancel

Open Open Folder Cancel

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

Search:

GE README

adme.htm Download

98

0c67fdf1cbc

IMAGE

Download

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 Download

SHA-1: dba4e6a0e8d586adb947e69df4737eb1

# IBM Security Network IPS V4.1, Reimage the appliance with a USB CD-ROM drive

Slide 25

The screenshot shows the IBM Internet Security Systems website with a download progress window and a SmartScreen Filter warning. The progress window is titled "99% of GetFile.php from download.iss.net Completed" and shows a "Copying..." dialog box. The dialog box displays the file name "GX6116bootsrv.4.1\_2010.0605\_11.34.26[1].iso" and indicates that it is being copied from the "QGRZAB5" folder to the "Downloads" folder. A progress bar shows 99% completion, and a "5 Seconds Remaining" timer is visible. A "Cancel" button is present. Below the progress bar, a SmartScreen Filter warning states: "SmartScreen Filter checked this download and did not report any threats. [Report an unsafe download.](#)"

The background website shows the "IBM Internet Security Systems Ahead of the threat.™" header, navigation links, and a search bar. The main content area displays a list of files for download, including "GX6116bootsrv.4.1\_2010.0605\_11.34.26.iso" and "PROVENTIA GX6116 FIRMWARE 4.1 RECOVERY USB IMAGE".

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

# IBM Security Network IPS V4.1, Reimage the appliance with a USB CD-ROM drive

Slide 26

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**Quick Links**

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

Show  entries Search:

**File Downloads**

<b>PROVENTIA GX6116 FIRMWARE 4.1 RECOVERY IMAGE README</b>	
File Size:	9.498 KB
Filename:	Proventia_Network_IPS_FW4.1_Readme.htm
SHA-1:	dcce0ee76eec82ee473efde0f60ab898
MD5:	c3b222ec591d1ff120e58aad256df90c67fdf1cbc
<input type="button" value="Download"/>	

<b>PROVENTIA GX6116 FIRMWARE 4.1 RECOVERY ISO IMAGE</b>	
File Size:	244971.52 KB
Filename:	GX6116bootsrv.4.1_2010.0605_11.34.26.iso
SHA-1:	093b623bff740eda5d97a21e8184438f
MD5:	2b1d462c6abf41bb052939c95f75887078c08afb
<input type="button" value="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
SHA-1:	dba4e6a0e8d586adb947e69df4737eb1
<input type="button" value="Download"/>	

You might find it helpful to download the Readme file.



### Reimaging the appliance

- Reimaging the IBM Security Network Intrusion Prevention System appliance erases all data from the system and returns it to the unconfigured factory default
- Before you reimage the appliance, you must:
  1. Turn off the appliance
  2. Connect a USB CD-ROM drive to the USB port on the appliance
  3. Connect one end of the serial console cable to the console port on the appliance and connect the other end to the serial port on another computer
  4. Establish a serial connection from the computer to the appliance using a terminal emulation program

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

## IBM Security Network IPS V4.1, Reimage the appliance with a USB CD-ROM drive

Slide 28

```
COM1 - PuTTY

Phoenix - AwardBIOS v6.00PG, An Energy Star Ally
Copyright (C) 1984-2003, Phoenix Technologies, LTD

Proventia BIOS:1.2i (042706)

Main Processor : Intel(R) Pentium(R) 4 CPU 3.00GHz(200x15.0)
Memory Testing : 1046464K OK + 1M shared memory
CPU Brand Name : Intel(R) Pentium(R) 4 CPU 3.00GHz
C1E BIOS Supported
EM64T CPU
Hyper-Threading Technology CPU Detected (Hyper-Threading Technology Enabled)

Memory Frequency For DDR 400 (Dual Channel Mode Enabled)
IDE Channel 0 Master : ST3808110AS 3.AAH
IDE Channel 0 Slave : None
IDE Channel 1 Master : None
IDE Channel 1 Slave : None

Press
```

This demonstration shows you how to install firmware version 4.1 on a GX4000 series appliance using a USB CD-ROM drive.

You must restart the appliance and insert your CD with the firmware 4.1 ISO file into the USB CD-ROM drive. These tasks have been performed for you.



## IBM Security Network IPS V4.1, Reimage the appliance with a USB CD-ROM drive

Slide 29

```
COM1 - PuTTY
Phoenix - AwardBIOS v6.00PG, An Energy Star Ally
Copyright (C) 1984-2003, Phoenix Technologies, LTD

Proventia BIOS:1.2i (042706)

Main Processor : Intel(R) Pentium(R) 4 CPU 3.00GHz(200x15.0)
Memory Testing : 1046464K OK + 1M shared memory
CPU Brand Name : Intel(R) Pentium(R) 4 CPU 3.00GHz
C1E BIOS Supported
EM64T CPU
Hyper-Threading Technology CPU Detected (Hyper-Threading Technology Enabled)

Memory Frequency For DDR 400 (Dual Channel Mode Enabled)
IDE Channel 0 Master : ST3808110AS 3.AAH
IDE Channel 0 Slave : None
IDE Channel 1 Master : None
IDE Channel 1 Slave : None
█

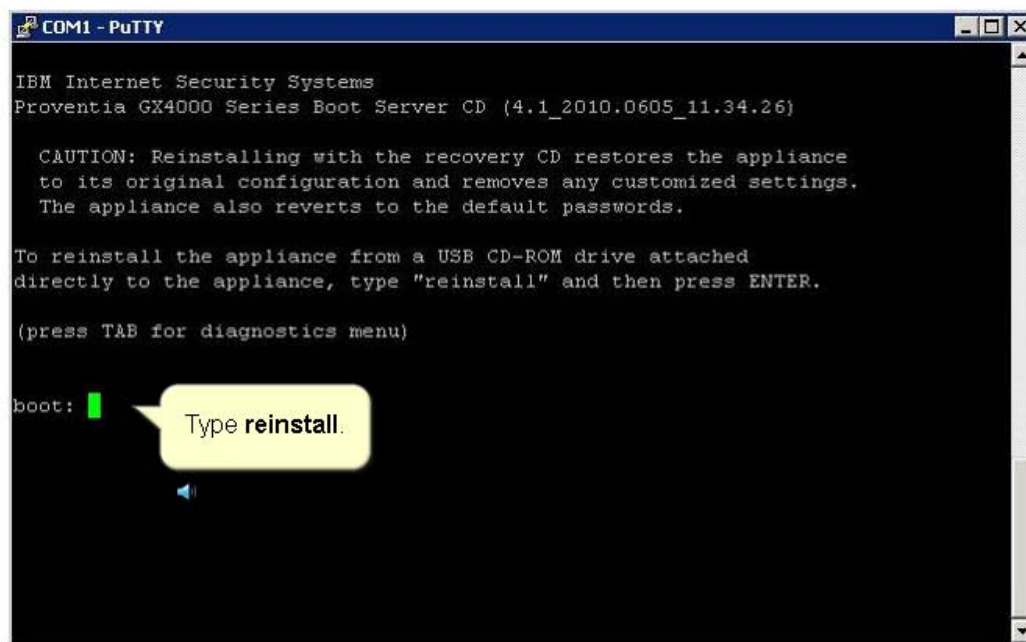
Press L to Boot From LAN, or press any other key to boot normally
```

The reimaging process begins.  
You are not required to press any  
keys to boot from the CD-ROM.



## IBM Security Network IPS V4.1, Reimage the appliance with a USB CD-ROM drive

Slide 30



```
COM1 - PuTTY
IBM Internet Security Systems
Proventia GX4000 Series Boot Server CD (4.1_2010.0605_11.34.26)

CAUTION: Reinstalling with the recovery CD restores the appliance
to its original configuration and removes any customized settings.
The appliance also reverts to the default passwords.

To reinstall the appliance from a USB CD-ROM drive attached
directly to the appliance, type "reinstall" and then press ENTER.

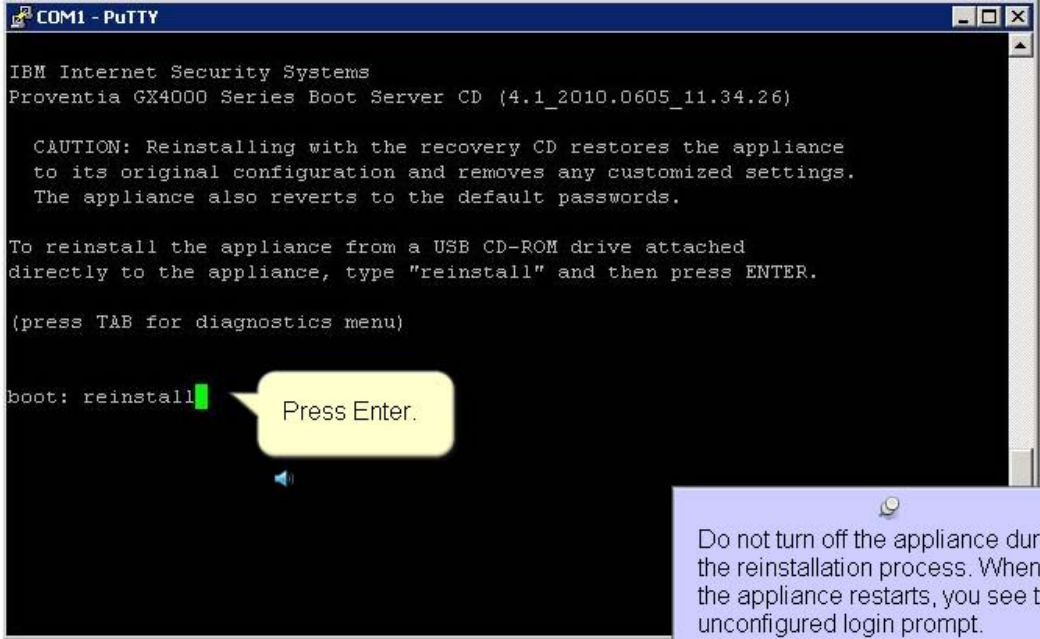
(press TAB for diagnostics menu)

boot: █
```

Type **reinstall**.

## IBM Security Network IPS V4.1, Reimage the appliance with a USB CD-ROM drive

Slide 31



COM1 - PuTTY

```
IBM Internet Security Systems
Proventia GX4000 Series Boot Server CD (4.1_2010.0605_11.34.26)

CAUTION: Reinstalling with the recovery CD restores the appliance
to its original configuration and removes any customized settings.
The appliance also reverts to the default passwords.

To reinstall the appliance from a USB CD-ROM drive attached
directly to the appliance, type "reinstall" and then press ENTER.

(press TAB for diagnostics menu)

boot: reinstall █
```

Press Enter.

Do not turn off the appliance during the reinstallation process. When the appliance restarts, you see the unconfigured login prompt.

## IBM Security Network IPS V4.1, Reimage the appliance with a USB CD-ROM drive

Slide 32



### 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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## IBM Security Network IPS V4.1, Reimage the appliance with a USB CD-ROM drive

Slide 33



### Summary

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

- Retrieve the appliance ISO image from the IBM Download Center
- Use a USB CD-ROM 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 34

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