

## Restore the appliance to factory default (unconfigured)

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Tivoli

IBM

IBM Security Network Intrusion Prevention System V4.1

Restore the appliance to factory default (unconfigured)



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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### Objectives

When you complete this module, you should be able to perform the following tasks:

- Define the factory default restoration options
- Restore the appliance to the unconfigured factory default settings

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### Restoring the appliance

There are two options you can use to restore your IBM Security Network Intrusion Prevention appliance to the default settings:

- **Restore the appliance to factory default (configured)**, which preserves:
  - User name and password
  - Network configuration
  - Host configuration such as the appliance host name and domain name
- **Restore the appliance to factory default (unconfigured)**, which removes all of the appliance settings

**Note:** You can restore the appliance using either the management port or console port.

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This demonstration shows you how to restore the appliance to an unconfigured state.

IBM Proventia GU1000 Setup

Configuration Menu

- > 1) Appliance Information
- 2) Appliance Management
- 3) Agent Management
- 4) Network Configuration
- 5) Time Configuration
- 6) Password Management

Logout

Use <ENTER> key to select, <TAB> to navigate,  
Use number keys to jump to menu item number

You must log on to IPS Setup to restore the appliance.  
This task has been performed for you.

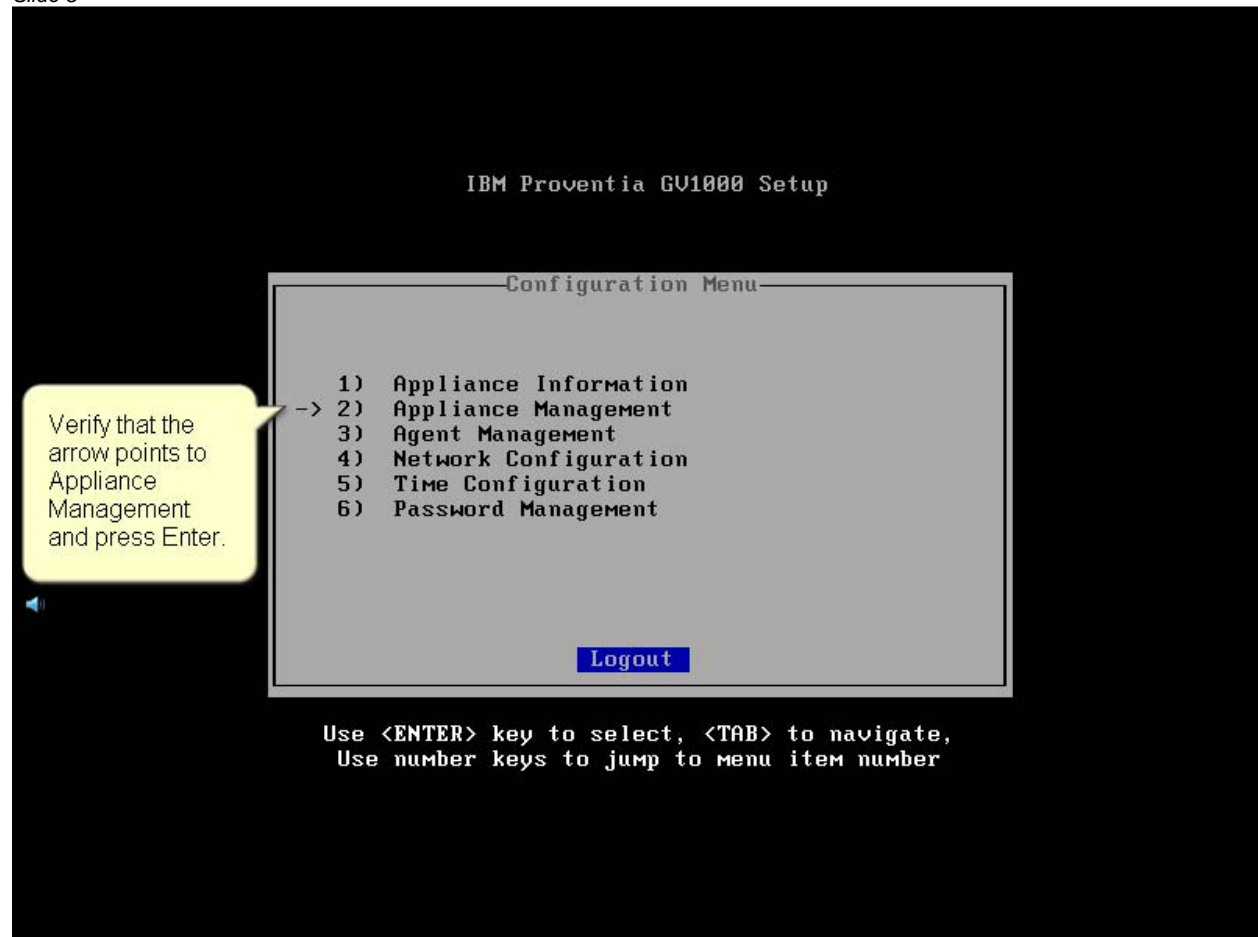
Press the down arrow once.

Detailed description: The image is a screenshot of a terminal window titled 'IBM Proventia GU1000 Setup'. It displays a 'Configuration Menu' with six numbered options: 1) Appliance Information, 2) Appliance Management, 3) Agent Management, 4) Network Configuration, 5) Time Configuration, and 6) Password Management. A blue 'Logout' button is visible at the bottom of the menu. A yellow callout bubble points to the first option with the text 'Press the down arrow once.' Below the menu, instructions state: 'Use <ENTER> key to select, <TAB> to navigate, Use number keys to jump to menu item number'. Two light blue callout boxes provide additional context: one at the top left explains the demonstration's purpose (restoring to factory default), and one at the bottom center notes that the user must log on to IPS Setup for the restoration task to be performed.

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The screenshot shows the IBM Proventia GU1000 Setup Configuration Menu. The menu is displayed in a terminal window with a black background and white text. The title "IBM Proventia GU1000 Setup" is centered at the top. Below it, the "Configuration Menu" is shown in a grey box. The menu items are:

- 1) Appliance Information
- > 2) Appliance Management
- 3) Agent Management
- 4) Network Configuration
- 5) Time Configuration
- 6) Password Management

A yellow callout box on the left contains the text: "Verify that the arrow points to Appliance Management and press Enter." A blue "Logout" button is visible at the bottom of the menu box. Below the menu box, instructions are provided: "Use <ENTER> key to select, <TAB> to navigate, Use number keys to jump to menu item number".

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The screenshot shows the 'IBM Proventia GU1000 Setup' interface. At the top, it says 'Appliance Management Menu'. Below this is a list of eight options: 1) Backup Current Configuration, 2) Restore Configuration From Backup, 3) Restore to Factory Default (unconfigured), 4) Restore to Factory Default (configured), 5) Disable Remote Root Access, 6) Reboot Appliance, 7) Shutdown Appliance, and 8) Logout. A blue 'Back' button is located at the bottom of the menu. A yellow callout box on the left contains the text 'Press the down arrow twice.' with an arrow pointing to the first option. At the bottom of the screen, there is a legend: 'Use <ENTER> key to select, <TAB> to navigate, Use number keys to jump to menu item number'.

```
IBM Proventia GU1000 Setup

Appliance Management Menu

-> 1) Backup Current Configuration
   2) Restore Configuration From Backup
   3) Restore to Factory Default (unconfigured)
   4) Restore to Factory Default (configured)
   5) Disable Remote Root Access
   6) Reboot Appliance
   7) Shutdown Appliance
   8) Logout

Back

Use <ENTER> key to select, <TAB> to navigate,
Use number keys to jump to menu item number
```

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The screenshot shows the 'IBM Proventia GU1000 Setup' interface. A central window titled 'Appliance Management Menu' contains a list of options. A yellow callout box on the left points to the third option, 'Restore to Factory Default (unconfigured)', with the text: 'Verify that the arrow points to Restore to Factory Default (unconfigured) and press Enter.' Below the menu is a blue 'Back' button. At the bottom of the screen, instructions state: 'Use <ENTER> key to select, <TAB> to navigate, Use number keys to jump to menu item number'.

IBM Proventia GU1000 Setup

Appliance Management Menu

- 1) Backup Current Configuration
- 2) Restore Configuration From Backup
- 3) Restore to Factory Default (unconfigured)
- 4) Restore to Factory Default (configured)
- 5) Disable Remote Root Access
- 6) Reboot Appliance
- 7) Shutdown Appliance
- 8) Logout

Back

Use <ENTER> key to select, <TAB> to navigate,  
Use number keys to jump to menu item number

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The screenshot shows a terminal window titled "IBM Proventia GU1000 Setup". A dialog box titled "Restore Appliance" is displayed in the center. The dialog box contains the following text:

Appliance will be reinstalled and restored to its original state. No settings will be preserved. You will NOT have remote access to the appliance after the restore completes. After restore is complete, you will need to login as user admin and complete the setup.

Would you like to proceed with restore?

If you would like to preserve remote access to the appliance, cancel and choose the menu option 'Restore to Factory Default (configured)' instead.

At the bottom of the dialog box are two buttons: "Cancel" and "OK".

Two yellow callout boxes provide additional instructions:

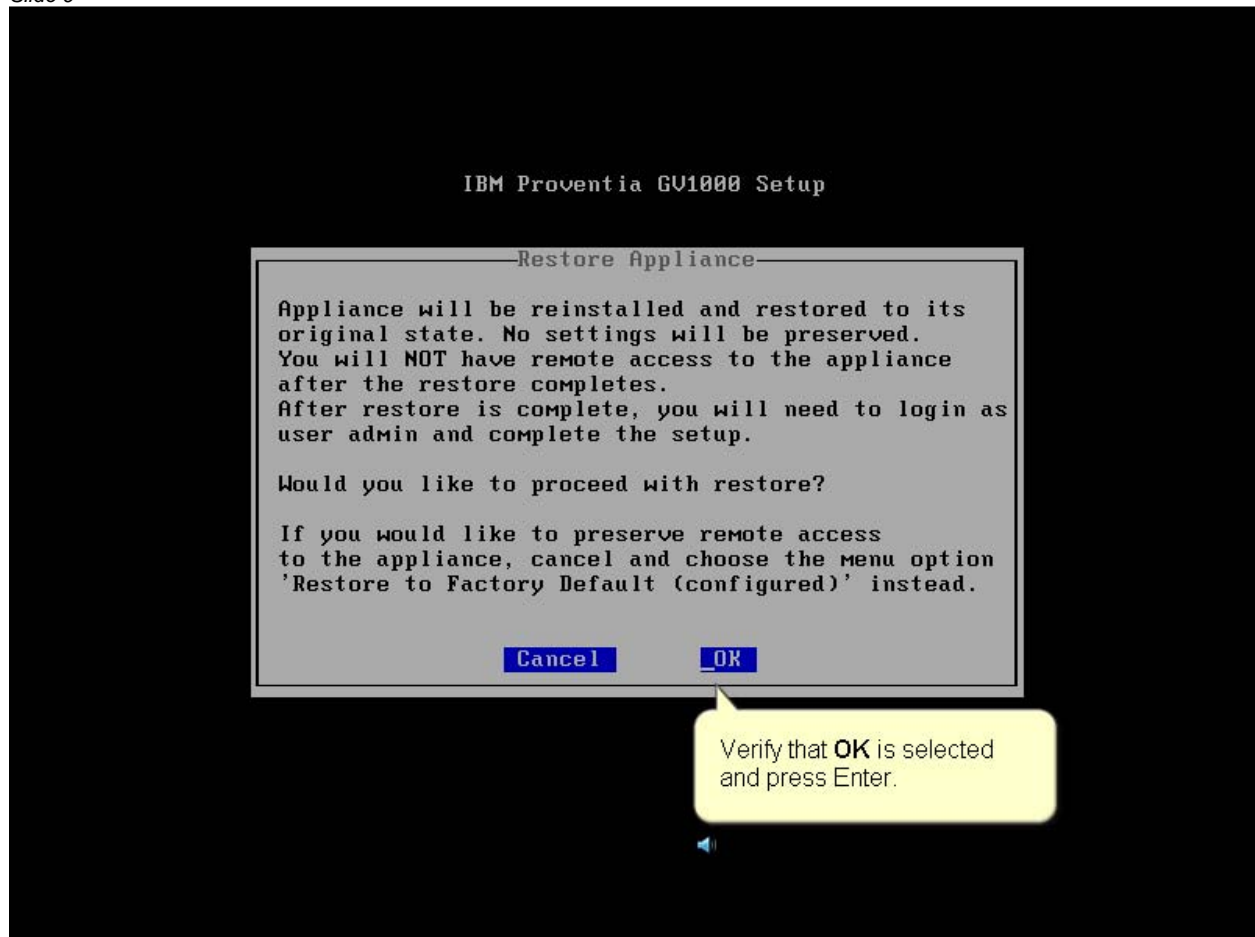
- A callout box on the left says: "Review the notes about restoring the appliance."
- A callout box at the bottom says: "Press Tab."



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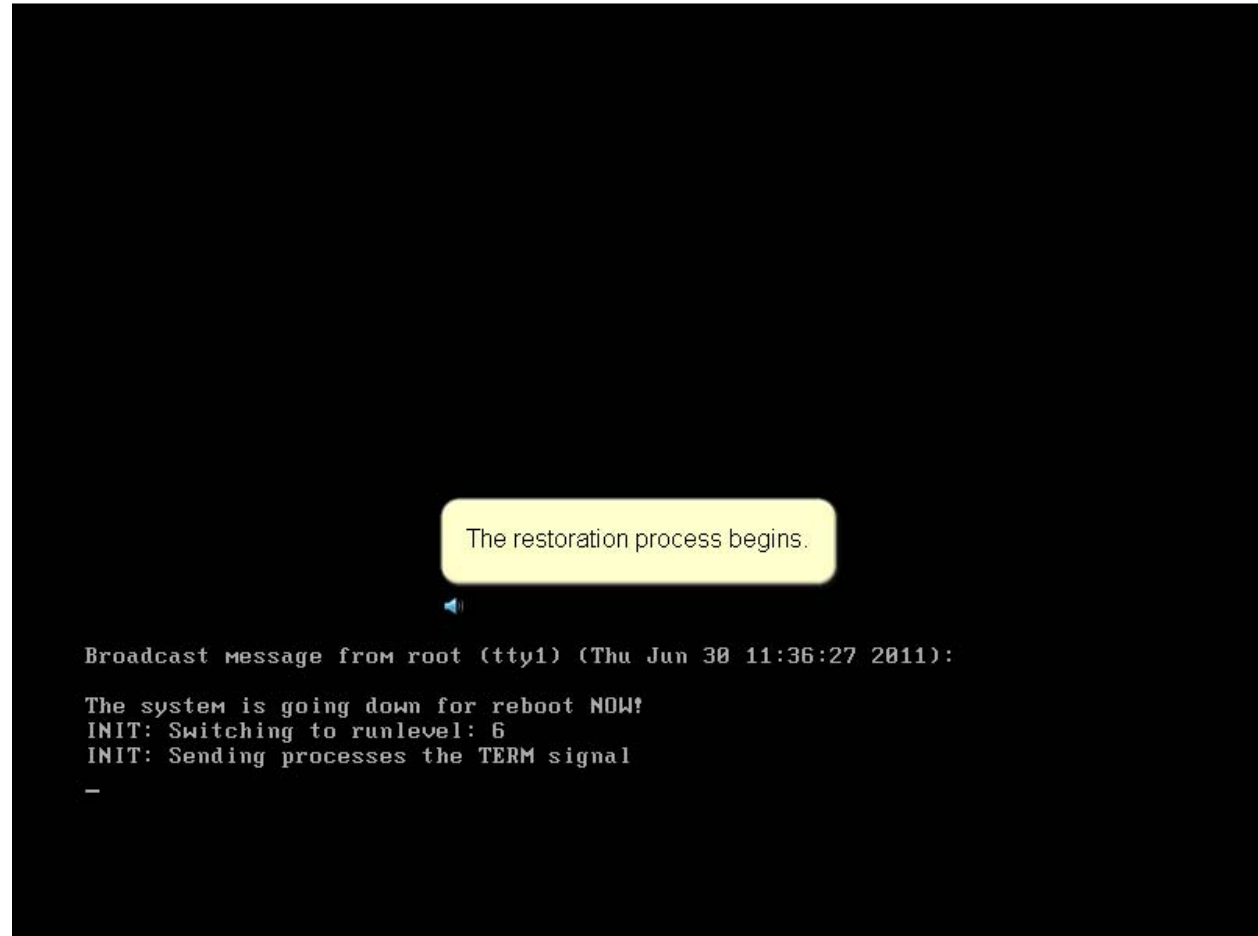
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```
Broadcast message from root (tty1) (Thu Jun 30 11:36:27 2011):

The system is going down for reboot NOW!
INIT: Switching to runlevel: 6
INIT: Sending processes the TERM signal
Boot logging started on /dev/tty1(/dev/console) at Thu Jun 30 11:36:28 2011
Master Resource Control: previous runlevel: 3, switching to runlevel:6
Stopping accessMonitor: done
Stopping service anacron: done
Shutting down httpd2 (waiting for all children to terminate) done
Unloading iptables rules...ipv4...ipv6... done
Shutting down service at daemon done
Shutting down CRON daemon done
Stopping iss-dbd: done
issFipsd is already stopped: done
Stopping iss-rrdd: done
Saving random seed done
Stopping provpktlogger: done
Shutting down SSH daemon done
Stopping issDaemon: _
```

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```
Master Resource Control: previous runlevel: 3, switching to runlevel:6
Stopping accessMonitor: done
Stopping service anacron: done
Shutting down httpd2 (waiting for all children to terminate) done
Unloading iptables rules...ipv4...ipv6... done
Shutting down service at daemon done
Shutting down CRON daemon done
Stopping iss-dbd: done
issFipsd is already stopped: done
Stopping iss-rrdd: done
Saving random seed done
Stopping provpktlogger: done
Shutting down SSH daemon done

Stopping issDaemon: done
Stopping iss-lum: done

Stopping issppd: done
Shutting down syslog services done
Shutting down network interfaces:
    eth0 done
    eth1 done
    eth2 done
-
```

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```
Stopping iss-dbd: done
issFipsd is already stopped: done
Stopping iss-rrdd: done
Saving random seed done
Stopping provpktlogger: done
Shutting down SSH daemon done
done
Stopping issDaemon: done
Stopping iss-lum: done
done
Stopping issppd: done
Shutting down syslog services done
Shutting down network interfaces:
  eth0 done
  eth1 done
  eth2 done
  eth3 done
Shutting down service network . . . . . done
Shutting down HAL daemon done
Shutting down D-BUS daemon done
Shutting down resource manager done
Running /etc/init.d/halt.local done
Sending all processes the TERM signal... done
-
```

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```
eth1 done
eth2 done
eth3 done
Shutting down service network . . . . . done
Shutting down HAL daemon done
Shutting down D-BUS daemon done
Shutting down resource manager done
Running /etc/init.d/halt.local done
Sending all processes the TERM signal... done
Sending all processes the KILL signal... done
Turning off swap done
Set Hardware Clock to the current System Time done

Unmounting file systems
/dev/sda7 umounted
/dev/sda6 umounted
/dev/sda3 umounted
/dev/sda1 umounted
devpts umounted
debugfs umounted
sysfs umounted
/dev/sda5 umounted done
Stopping udevd: done
proc umounted
-
```

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```
eth2 done
eth3 done
Shutting down service network . . . . . done
Shutting down HAL daemon done
Shutting down D-BUS daemon done
Shutting down resource manager done
Running /etc/init.d/halt.local done
Sending all processes the TERM signal... done
Sending all processes the KILL signal... done
Turning off swap done
Set Hardware Clock to the current System Time done
done

Unmounting file systems
/dev/sda7 umounted
/dev/sda6 umounted
/dev/sda3 umounted
/dev/sda1 umounted
devpts umounted
debugfs umounted
sysfs umounted
/dev/sda5 umounted done
Stopping udevd: done
proc umounted
Please stand by while rebooting the system...
-
```

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```
Booting 'Proventia GV1000 Restore System Backup factory'
root (hd0,2)
Filesystem type is ext2fs, partition type 0x83
kernel /bzImage IssHighMem=100M rdinit=/fullrestore console=null backupslot=factory
[Linux-bzImage, setup=0x1c00, size=0x1649f4]
initrd /initfs.gz
[Linux-initrd @ 0x1fc05000, 0x3ea109 bytes]
Uncompressing Linux... Ok, booting the kernel.
-
```



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```
Booting 'Proventia GV1000 Restore System Backup factory'

root (hd0,2)
Filesystem type is ext2fs, partition type 0x83
kernel /bzImage IssHighMem=100M rdinit=/fullrestore console=null backupslot=factory
[Linux-bzImage, setup=0x1c00, size=0x1649f4]
initrd /initfs.gz
[Linux-initrd @ 0x1fc05000, 0x3ea109 bytes]

Uncompressing Linux... Ok, booting the kernel.

done
Restoring OS and software:
Restoring /dev/sda1...done
Restoring /dev/sda3...done
Restoring /dev/sda5...done
Restoring /dev/sda6...done
Restoring cache filesystem structure...done
Creating swap space...done
Configuring boot loader..._
```

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```
GNU GRUB  version 0.97  (638K lower / 1046464K upper memory)
```

```
Proventia GV1000 Linux-up (2.6.16.46-363-up)
Proventia GV1000 Linux-smp (2.6.16.46-363-smp)
Proventia GV1000 Create System Backup 0
Proventia GV1000 Restore System Backup 0
Proventia GV1000 Restore Factory Image (unconfigured)
```

Use the ↑ and ↓ keys to select which entry is highlighted.  
Press enter to boot the selected OS or 'p' to enter a  
password to unlock the next set of features.

The highlighted entry will be booted automatically in 1 seconds.

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```
The key's randomart image is:
+--[ RSA 1024]-----+
  |         .         |
  |      o o +..     |
  |     = * +.       |
  |    . & =. E      |
  |   . S O  +       |
  |         .         |
  +-----+
Starting SSH daemon                               done
FIPS mode enabled
*** IN FIPS MODE ***
Starting httpd2 (prefork)                          done
/usr/sbin/mDNSResponder is already running:        done
                                                    unused
Master Resource Control: runlevel 3 has been       reached
Skipped services in runlevel 3:                    issFIPSChecksum issFIPS

IBM Internet Security Systems
Proventia GU1000

unconfigured-gv1000 login: _
```

When the restoration is complete, the unconfigured login prompt opens.

## **Restore the appliance to factory default (unconfigured)**

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### 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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