30 December 2019

Check Point 4000 Appliances

Getting Started Guide

Check Point
SOFTWARE TECHNOLOGIES LTD.

Important Information

Latest Software

We recommend that you install the most recent software release to stay up-to-date with the latest functional improvements, stability fixes, security enhancements and protection against new and evolving attacks.

Latest Documentation

The latest version of this document is at:
http://supportcontent.checkpoint.com/documentation_download?ID=12688

To learn more, visit the Check Point Support Center https://supportcenter.checkpoint.com.

For more about this appliance, see the 4000 Appliances home page (http://supportcontent.checkpoint.com/solutions?id=sk68681).

Revision History

Date	Description
29 December 2019	• Updated Appliance Physical Specifications (on page 15) with regulated model, temperature, and power rating information
14 January 2016	• Updated Mounting the 4000 Appliances in a Rack (on page 15)
14 January 2015	• Added *Remarques Relatives à la Sécurité, l'environnement et les Émissions Électroniques* (on page 7) • Replaced telescopic rails installation procedures with a link to the Telescoping Rails installation booklet • Added Appliance Physical Specifications (on page 15) • Replaced First Time Configuration Wizard installation procedures with a link to the Support Center (on page 17)
6 November 2012	Deleted *Hard Disk Drives* from *Front Panel Components* (on page 19). You cannot replace the hard disk drive on this appliance.
18 July 2012	• Added First Time Wizard for Gaia • Deleted *Customer Replaceable Parts*
31 October 2011	Updated Flow Control settings in *Connecting to the CLI* (on page 18) and *Restoring Using the Console Boot Menu* (on page 26)
15 August 2011	First release of this document

Feedback

Check Point is engaged in a continuous effort to improve its documentation.

Please help us by sending your comments mailto:cp_techpub_feedback@checkpoint.com?subject=Feedback on Check Point 4000 Appliances Getting Started Guide.

Safety, Environmental, and Electronic Emissions Notices

Read the following warnings before setting up or using the appliance.

⚠ **Warning** - Do not block air vents. A minimum 1/2-inch clearance is required.

⚠ **Warning** - This appliance does not contain any user-serviceable parts. Do not remove any covers or attempt to gain access to the inside of the product. Opening the device or modifying it in any way has the risk of personal injury and will void your warranty. The following instructions are for trained service personnel only.

Before you install or remove a chassis, or work near power supplies, turn off the power and unplug the power cord.

To prevent damage to any system board, it is important to handle it with care. The following measures are generally sufficient to protect your equipment from static electricity discharge:

- When handling the board, use a grounded wrist strap designed for static discharge elimination.

- Touch a grounded metal object before removing the board from the antistatic bag.

- Handle the board by its edges only. Do not touch its components, peripheral chips, memory modules or gold contacts.

- When handling processor chips or memory modules, avoid touching their pins or gold edge fingers.

- Restore the communications appliance system board and peripherals back into the antistatic bag when they are not in use or not installed in the chassis. Some circuitry on the system board can continue operating even though the power is switched off.

- Under no circumstances should the lithium battery cell used to power the real-time clock be allowed to short. The battery cell may heat up under these conditions and present a burn hazard.

⚠ **Warning** - DANGER OF EXPLOSION IF BATTERY IS INCORRECTLY REPLACED. REPLACE ONLY WITH SAME OR EQUIVALENT TYPE RECOMMENDED BY THE MANUFACTURER. DISCARD USED BATTERIES ACCORDING TO THE MANUFACTURER'S INSTRUCTIONS.

- Disconnect the system board power supply from its power source before you connect or disconnect cables or install or remove any system board components. Failure to do this can result in personnel injury or equipment damage.

- Avoid short-circuiting the lithium battery; this can cause it to superheat and cause burns if touched.

- Do not operate the processor without a thermal solution. Damage to the processor can occur in seconds.

- Class 1 laser product warning - A totally enclosed laser system containing a class 1 laser.

Rack Mount Instructions

The following or similar rack-mount instructions are included with the installation instructions:

1. Elevated Operating Ambient - If installed in a closed or multi-unit rack assembly, the operating ambient temperature of the rack environment may be greater than room ambient. Therefore,

consideration should be given to installing the equipment in an environment compatible with the maximum ambient temperature specified by the manufacturer.

2. Reduced Air Flow - Installation of the equipment in a rack should be such that the amount of air flow required for safe operation of the equipment is not compromised.

3. Mechanical Loading - Mounting of the equipment in the rack should be such that a hazardous condition is not achieved due to uneven mechanical loading.

4. Circuit Overloading - Consideration should be given to the connection of the equipment to the supply circuit and the effect that overloading of the circuits might have on over current protection and supply wiring. Appropriate consideration of equipment nameplate ratings should be used when addressing this concern.

5. Reliable Earthing - Reliable earthing of rack-mounted equipment should be maintained. Particular attention should be given to supply connections other than direct connections to the branch circuit (e.g. use of power strips).

For California:

Perchlorate Material - special handling may apply. See http://www.dtsc.ca.gov/hazardouswaste/perchlorate

The foregoing notice is provided in accordance with California Code of Regulations Title 22, Division 4.5, Chapter 33. Best Management Practices for Perchlorate Materials. This product, part, or both may include a lithium manganese dioxide battery which contains a perchlorate substance.

Proposition 65 Chemical

Chemicals identified by the State of California, pursuant to the requirements of the California Safe Drinking Water and Toxic Enforcement Act of 1986, California Health & Safety Code s. 25249.5, et seq. ("Proposition 65"), that is "known to the State to cause cancer or reproductive toxicity" (see http://www.calepa.ca.gov)

WARNING:

Handling the cord on this product will expose you to lead, a chemical known to the State of California to cause cancer, and birth defects or other reproductive harm. Wash hands after handling.

Federal Communications Commission (FCC) Statement:

For a Class A digital device or peripheral

Note: This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

For a Class B digital device or peripheral

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.

- Increase the separation between the equipment and receiver.

- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

- Consult the dealer or an experienced radio/TV technician for help.

Information to user:

The user's manual or instruction manual for an intentional or unintentional radiator shall caution the user that changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. In cases where the manual is provided only in a form other than paper, such as on a computer disk or over the Internet, the information required by this section may be included in the manual in that alternative form, provided the user can reasonably be expected to have the capability to access information in that form.

Canadian Department Compliance Statement:

This Class A digital apparatus complies with Canadian ICES-003. Cet appareil numérique de la classe A est conforme à la norme NMB-003 du Canada.

This Class B digital apparatus complies with Canadian ICES-003. Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

Japan Compliance Statement:

Class A

この装置は，クラスA情報技術装置です。この装置を家庭環境で使用すると電波妨害を引き起こすことがあります。この場合には使用者が適切な対策を講ずるよう要求されることがあります。　　　　VCCI－A

Class B

この装置は，クラスB情報技術装置です。この装置は，家庭環境で使用することを目的としていますが，この装置がラジオやテレビジョン受信機に近接して使用されると，受信障害を引き起こすことがあります。
取扱説明書に従って正しい取り扱いをして下さい。　　　　VCCI－B

European Union (EU) Electromagnetic Compatibility Directive

This product is herewith confirmed to comply with the requirements set out in the Council Directive on the Approximation of the Laws of the Member States relating to Electromagnetic Compatibility Directive (2004/108/EC). For the evaluation regarding the Electromagnetic Compatibility (2004/108/EC)

This product is in conformity with Low Voltage Directive 2006/95/EC, and complies with the requirements in the Council Directive 2006/95/EC relating to electrical equipment designed for use within certain voltage limits and the Amendment Directive 93/68/EEC.

Product Disposal

This symbol on the product or on its packaging indicates that this product must not be disposed of with your other household waste. Instead, it is your responsibility to dispose of your waste equipment by handing it over to a designated collection point for the recycling of waste electrical and electronic equipment. The separate collection and recycling of your waste equipment at the time of disposal will help to conserve natural resources and ensure that it is recycled in a manner that protects human health and the environment. For more information about where you can drop off your waste equipment for recycling, please contact your local city office or your household waste disposal service.

Remarques Relatives à la Sécurité, l'environnement et les Émissions Électroniques

Avant de mettre en place ou d'utiliser l'appareil, veuillez lire les avertissements suivants.

⚠ **Avertissement**: Ne pas obturer les aérations. Il faut laisser au moins 1,27 cm d'espace libre.

⚠ **Avertissement**: Cet appareil ne contient aucune pièce remplaçable par l'utilisateur. Ne pas retirer le capot ni tenter d'atteindre l'intérieur. L'ouverture ou la modification de l'appareil peut entraîner un risque de blessure et invalidera la garantie. Les instructions suivantes sont réservées à un personnel de maintenance formé.

Avant de manipuler une appliance ou ses blocs d'alimentations, l'éteindre et débrancher son câble électrique.

Pour éviter d'endommager les cartes système, il est important de les manipuler avec soin. Les mesures suivantes sont généralement suffisantes pour protéger votre équipement contre les décharges d'électricité statique:

• Avant de manipuler la carte, portez aux poignet un bracelet antistatique relié à la terre.

• Touchez un objet métallique relié à la terre avant d'extraire la carte de son sachet antistatique.

- Ne tenez la carte que par ses bords. Ne touchez aucun composant, puce périphérique, module mémoire ou contact plaqué or.

- Lorsque vous manipulez des processeurs ou des modules mémoire, évitez de toucher leurs broches ou les pistes de contact dorées.

- Remettez dans leur sachet antistatique la carte système et les périphériques de l'appareil de communications lorsqu'ils ne sont pas utilisés ou installés dans le châssis. Certains circuits sur la carte système peuvent rester fonctionnels même si l'appareil est éteint.

- Il ne faut jamais court-circuiter la pile au lithium qui alimente l'horloge temps-réel. Elle risque de s'échauffer et de causer des brûlures.

   ⚠ **Avertissement**: DANGER D'EXPLOSION SI LA PILE EST MAL REPLACÉE. NE REMPLACER QU'AVEC UN TYPE IDENTIQUE OU ÉQUIVALENT, RECOMMANDÉ PAR LE CONSTRUCTEUR. LES PILES DOIVENT ÊTRE MISES AU REBUT CONFORMÉMENT AUX INSTRUCTIONS DE LEUR FABRICANT.

- Débrancher l'alimentation de la carte système de sa source électrique avant de connecter ou déconnecter des câbles ou d'installer ou retirer des composants. À défaut, les risques sont d'endommager l'équipement et de causer des blessures corporelles.

- Ne pas court-circuiter la pile au lithium: elle risque de surchauffer et de causer des brûlures en cas de contact.

- Ne pas faire fonctionner le processeur sans refroidissement. Le processeur peut être endommagé en quelques secondes.

- Produit laser de classe 1: un système laser totalement clos et contenant un laser de classe 1.

Instructions de montage en rack

Les instructions d'installation sont livrées avec les instructions de montage en rack ci-après (ou similaires):

1. **Fonctionnement à température plus élevée:** Si l'appareil est installé dans une armoire fermée ou un rack à plusieurs unités, la température du rack en fonctionnement peut être supérieure à la température ambiante de la pièce. Avant d'installer l'équipement, il faut donc s'assurer qu'il sera dans un environnement compatible avec la température ambiante maximale indiquée par le constructeur.

2. **Circulation d'air réduite:** L'installation dans un rack doit s'assurer de ne pas limiter la circulation de l'air nécessaire au bon fonctionnement de l'équipement.

3. **Charge mécanique:** Lors du montage de l'équipement dans le rack, il faut faire attention à ne pas déséquilibrer l'ensemble. Un rack se remplit en commençant par le bas.

4. **Surcharge:** Pour la connexion de l'équipement au circuit électrique, il faut vérifier les risques de surcharge et les éventuelles conséquences sur la protection contre les surtensions et sur le câblage électrique. Dans ce contexte, il faut tenir compte des informations mentionnées par l'étiquette apposée sur l'équipement.

5. **Mise à la terre:** Les équipements montés en rack doivent être en permanence reliés à un terre fiable. Il faut faire particulièrement attention aux branchements qui ne vont pas directement à la source électrique (par exemple des multiprises).

Pour la Californie:

Matériau perchloraté: Manipulation spéciale potentiellement requise. Voir http://www.dtsc.ca.gov/hazardouswaste/perchlorate.

L'avis suivant est fourni conformément au California Code of Regulations, titre 22, division 4.5, chapitre 33. Meilleures pratiques de manipulation des matériaux perchloratés. Ce produit, cette pièce ou les deux peuvent contenir une pile au dioxyde de lithium manganèse, qui contient une substance perchloratée.

Produits chimiques « Proposition 65 »

Les produits chimiques identifiés par l'état de Californie, conformément aux exigences du California Safe Drinking Water and Toxic Enforcement Act of 1986 du California Health & Safety Code s. 25249.5, et seq. (« Proposition 65 »), qui sont « connus par l'état pour être cancérigène ou être toxiques pour la reproduction » (voir http://www.calepa.ca.gov).

AVERTISSEMENT:

La manipulation de ce cordon vous expose au contact du plomb, un élément reconnue par l'état de Californie pour être cancérigène, provoquer des malformations à la naissance et autres dommages relatifs à la reproduction. Se laver les mains après toute manipulation.

Déclaration à la Federal Communications Commission (FCC):

Pour un appareil ou périphérique numérique de classe A

Remarque: Cet équipement a été testé et déclaré conforme aux limites pour appareils numériques de classe A, selon la section 15 des règlements de la FCC. Ces limitations sont conçues pour fournir une protection raisonnable contre les interférences nocives dans un environnement commercial. Cet appareil génère, et peut diffuser des fréquences radio et, dans le cas d'une installation et d'une utilisation non conformes aux instructions, il peut provoquer des interférences nuisibles aux communications radio. Le fonctionnement de cet équipement dans une zone résidentielle engendrera vraisemblablement des perturbations préjudiciables, auquel cas l'utilisateur sera tenu d'éliminer ces perturbations à sa charge.

Pour un appareil ou périphérique numérique de classe B

Remarque: Cet équipement a été testé et déclaré conforme aux limites pour appareils numériques de classe B, selon la section 15 des règlements de la FCC. Ces limitations sont conçues pour fournir une protection raisonnable contre les interférences nocives dans un environnement résidentiel. Cet appareil génère, et peut diffuser des fréquences radio et, dans le cas d'une installation et d'une utilisation non conforme aux instructions, il peut provoquer des interférences nuisibles aux communications radio. Cependant, il n'existe aucune garantie qu'aucune interférence ne se produira dans le cadre d'une installation particulière. Si cet appareil provoque des interférences avec un récepteur radio ou un téléviseur, ce qui peut être détecté en mettant l'appareil sous et hors tension, l'utilisateur peut essayer d'éliminer les interférences en suivant au moins l'une des procédures suivantes:

- Réorienter ou déplacer l'antenne de réception.

- Augmenter la distance entre l'appareil et le récepteur.

- Brancher l'appareil sur une prise appartenant à un circuit différent de celui sur lequel est branché le récepteur.

- Consulter le distributeur ou un technicien radio/télévision qualifié pour obtenir de l'aide.

Information à l'intention de l'utilisateur:

Le manuel utilisateur ou le manuel d'instruction d'un dispositif rayonnant (intentionnel ou non) doit avertir que toute modification non approuvée expressément par la partie responsable de la conformité peut annuler le droit de faire fonctionner l'équipement. Si le manuel n'est pas fourni sous forme imprimée (par exemple sur le disque d'un ordinateur ou via Internet), les informations requises par cette section doivent être incluses dans ces versions du manuel, sous réserve que l'utilisateur soit raisonnablement capable d'y accéder.

Déclaration de conformité du département canadien:

Cet appareil numérique de la classe A est conforme à la norme NMB-003 du Canada.

Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

Directive de l'Union européenne relative à la compatibilité électromagnétique

Ce produit est certifié conforme aux exigences de la directive du Conseil concernant concernant le rapprochement des législations des États membres relatives à la directive sur la compatibilité électromagnétique (2004/108/CE). Pour l'évaluation concernant la compatibilité électromagnétique (2004/108/CE).

Ce produit est conforme à la directive basse tension 2006/95/CE et satisfait aux exigences de la directive 2006/95/CE du Conseil relative aux équipements électriques conçus pour être utilisés dans une certaine plage de tensions, selon les modifications de la directive 93/68/CEE.

Mise au rebut du produit

Ce symbole apposé sur le produit ou son emballage signifie que le produit ne doit pas être mis au rebut avec les autres déchets ménagers. Il est de votre responsabilité de le porter à un centre de collecte désigné pour le recyclage des équipements électriques et électroniques. Le fait de séparer vos équipements lors de la mise au rebut, et de les recycler, contribue à préserver les ressources naturelles et s'assure qu'ils sont recyclés d'une façon qui protège la santé de l'homme et l'environnement. Pour obtenir plus d'informations sur les lieux où déposer vos équipements mis au rebut, veuillez contacter votre municipalité ou le service de gestion des déchets.

Contents

Introduction

Welcome

Congratulations on your new 4000 appliance. We hope that you will be satisfied with this Security Gateway and our support services. Check Point products provide your business with the most up to date and secure solutions available today.

Check Point also delivers worldwide technical services including educational, professional and support services through a network of Authorized Training Centers, Certified Support Partners and Check Point technical support personnel to ensure that you get the most out of your security investment.

For additional information on the Internet Security Product Suite and other security solutions, refer to the Check Point web site https://www.checkpoint.com/, or call Check Point at 1(800) 429-4391. For additional technical information about Check Point products, consult the Check Point Support Center https://supportcenter.checkpoint.com.

Welcome to the Check Point family. We look forward to meeting all of your current and future network, application and management security needs.

4000 Appliances Overview

4000 Appliances let organizations maximize security in high-performance environments such as large campuses or data centers. Combining integrated Firewall, IPsec VPN, and intrusion prevention with advanced acceleration technologies. 4000 Appliances deliver a high-performance security platform that can block application layer threats. Even as new threats appear, it maintains or increases performance and protects the network against attacks.

This appliance supports the SecurePlatform and Gaia Operating Systems. Gaia is a single, unified security Operating System that combines the best of Check Point's SecurePlatform and IPSO, the operating system from the Nokia security products. Gaia supports the full portfolio of Check Point Software Blades, Security Gateway and Security Management products.

Key Features:

- Proven, enterprise-class firewall, VPN, and intrusion prevention

- Accelerated security performance, that includes SecureXL and CoreXL technologies

- Integrated load balancing and dynamic routing for data center reliability levels

- Centrally managed from Security Management Server/4000 Appliances or as a standalone device

- Automatic security protection updates from Check Point

This document provides:

- A brief overview of essential 4000 Appliances concepts and features

- A step by step guide to getting 4000 Appliances up and running

    Note - Screenshots in this guide may apply only to the highest model to which this guide applies.

Upgrading the Appliance

You can upgrade these components of the 4000 Appliances:

- Memory DIMMs (4800 only)

- LOM card (4800 only)

- Appliance firmware

    Important - You cannot upgrade the appliance firmware while using the 15 days trial license.

For more information about upgrading the appliance, see the applicable documentation (http://supportcontent.checkpoint.com/solutions?id=sk68681).

- *4800 Appliance Installing and Removing Memory*

- *4800 and 12000 Appliances Installing and Removing a LOM Card*

- *4000 Appliances Image Management*

- *4000 and 12000 Appliances Mounting Appliances with Sliding Rails*

Shipping Carton Contents

This section describes the contents of the shipping carton.

Item	Description
Appliance	Check Point 4000 Appliance
Rack Mounting Accessories	Hardware mounting kit
Cables	- Power cable 1 Standard RJ-45 network cable 1 Serial console cable
Documentation	- Quick Start Guide - Getting Started Guide - Image Management Guide - User license agreement

Terminology

The following terms are used in this guide:

- **Gateway**: The security engine that enforces the organization's security policy and acts as a security enforcement point.

- **Security Policy**: The policy created by the system administrator that regulates the flow of incoming and outgoing communication.

- **Security Management Server**: The server used by the system administrator to manage the security policy. The organization's databases and Security Policies are stored on the Security Management Server and downloaded to the gateway.

- **SmartConsole**: GUI applications that are used to manage various aspects of Security Policy enforcement.

- **SmartDashboard**: A **SmartConsole** GUI application that is used by the system administrator to create and manage the security policy.

- **Locally Managed Deployment**: When all Check Point components responsible for both the management and enforcement of the Security Policy (the Security Management Server and the gateway) are installed on the same machine.

- **Centrally Managed Deployment**: When the gateway and the Security Management Server are installed on separate machines.

Mounting the 4000 Appliances in a Rack

In This Section:

Your 4000 Appliances come equipped with fixed or sliding rails for rack mounting. Instead of fixed rails, you can choose to install it in the rack with sliding rails (available as an optional accessory). See Rack Mounting for Check Point Appliances
http://downloads.checkpoint.com/dc/download.htm?ID=26435 for the installation procedures.

Appliance Physical Specifications

These are the physical specifications of the Check Point appliance models that can be mounted in the rack.

Appliance	Regulated Model	Width	Depth	Height	Maximum Operating Temperature	Power Rating
4200	T-120	17.24 in (43.8 cm)	12.6 in (32.02 cm)	1.72 in (4.4 cm) (1U)	32° to 104°F / 0° to 40°C	100-240V~,50-60Hz,3-1.5A
4400	T-140	17.24 in (43.8 cm)	12.6 in (32.02 cm)	1.72 in (4.4 cm) (1U)	32° to 104°F / 0° to 40°C	100-240V~,50-60Hz,4-1.5A
4600	T-160	17.24 in (43.8 cm)	12.6 in (32.02 cm)	1.72 in (4.4 cm) (1U)	32° to 104°F / 0° to 40°C	100-240V~,50-60Hz,4-1.5A
4800	T-180	17.24 in (43.8 cm)	16 in (40.63 cm)	1.72 in (4.4 cm) (1U)	32° to 104°F / 0° to 40°C	100-240V~,47-63Hz,4-1.5A

Appliance Air Vents

Make sure that the appliance air vents have sufficient airflow when the appliance is mounted in a rack.

⚠️ **Important** - If the appliance vents are blocked, the appliance can become too hot and can be damaged.

The appliance and rack rails have been tested in extreme conditions and do not block air flow to the appliance. These appliances are specifically designed to install with these rails.

Configuring 4000 Appliances

In This Section:

The workflow for configuring 4000 Appliances is:

1. ☐Connect the cables and power on the appliance.
2. Use the First Time Configuration Wizard to configure the appliance.
3. Add the 4000 Appliances object in SmartDashboard and install a policy.

Powering On

To power on 4000 Appliances:

1. Connect the power cable.
2. On the back panel, turn on the **Power** button to start the appliance.

> **Note** - For the Check Point 4800, when a power supply fails or is not connected to the outlet, an alarm sounds continuously. If you hear the alarm, replace the faulty power supply immediately, and connect the new unit to an A/C outlet.

3. Wait for the appliance to initialize and boot. The status of the appliance appears on the LCD screen:

The appliance is ready for use when the model number is displayed.

Available Software Images

4000 Appliances comes with multiple software images. Select the software image that you want to use.

Reverting to a software image takes a few minutes. To follow the progress and see when the appliance is ready, connect to the appliance using a serial console.

For more about software images, see the 4000 Appliances home page
(http://supportcontent.checkpoint.com/solutions?id=sk68681).

> **Note** - Gaia is available for R75.40 and higher.

Initial Configuration

Configure the appliance with the First Time Configuration Wizard.

To start the First Time Configuration Wizard on Gaia:

1. ☐Connect the appliance to your management network through the management interface, which is marked **MGMT**.

   The management interface is preconfigured with the IP address `192.168.1.1`. If you later change it through the Check Point Portal, make sure that the new address is on the same subnet as the management network.

2. Open a connection from a browser to the management IP address.
   The login page opens.

3. Log in to the system with the default username and password: `admin` and `admin`

4. Click **Login**.
   The **First Time Configuration Wizard** runs.

5. Follow the instructions on the screen.

   > **Note** - Settings that you configure in the First Time Configuration Wizard, can be changed later in the Portal, from an Internet browser go to `https://<appliance_ip_address>`

To start the First Time Configuration Wizard on SecurePlatform:

1. ☐Connect a standard network cable to the appliance's management interface and to your management network.

   The management interface is marked **MGMT**.

2. Open Internet Explorer to the default management IP address,
   `https://192.168.1.1:4434`

   > **Note** - Pop-ups must always be allowed on `https://<appliance_ip_address>`

   The login page opens.

3. Log in to the system using the default login name/password: **admin/admin** and click **Login**.

   > **Note** - The features configured in the wizard are accessible after completing the wizard via the Portal menu. Go to `https://<appliance_ip_address>:4434` to open the Portal.

4. Change the administrator password, as prompted. The default password gives you access to the appliance. For security, you must change it to a more secure password.

5. In the Password recovery login token section, download a Login Token to use if you forget the password. We recommend that you save the password recovery login token file in a safe location.

   The **First Time Configuration Wizard** runs.

6. Follow the instructions on the screen.

Configuration Options

There are different First Time Configuration Wizard options for the Gaia and the SecurePlatform operating systems. See the *Installation and Upgrade Guide* related to the software version. Search for the guide with the applicable software version in the Support Center documentation section
https://supportcenter.checkpoint.com/supportcenter/portal?eventSubmit_doSwichtab=Documentation&tab=Documentation.

Note: From R77, the Installation and Upgrade Guides are released only for major versions and by Gaia or non-Gaia platforms. For example, for the Gaia platform R77.10 version, see the *R77 Versions Installation and Upgrade Guide for Gaia Platforms*.

Creating the Network Object

Configure the 4000 Appliances as a gateway object in the Security Management Server database.

To create the network object in SmartDashboard:

1. ☐Launch SmartDashboard.
2. Configure a new gateway object for the appliance.
3. Enter the IP address for the appliance.
4. For a centrally managed installation, establish Secure Internal Communication (SIC) using the activation key entered in the First Time Configuration Wizard.
5. Configure the topology.
6. Install the security policy.

Advanced Configuration

Advanced configuration on Gaia

Advanced configuration on Gaia can be done from the Portal or the CLI.

Advanced configuration on SecurePlatform

Advanced configuration on SecurePlatform can be done with the `sysconfig` menu from the CLI.

> 📝 **Note** - The `sysconfig` menu is only available after running the **First Time Configuration Wizard** in the Portal.

Connecting to the CLI

After you complete the First Time Configuration Wizard, you can connect to the CLI (command line interface) of a 4000 Appliances using:

*   The provided serial console cable (DTE to DTE)

*   Terminal emulation software such as HyperTerminal and PuTTY (from Windows), or Minicom (from Unix/Linux systems).

    *   Connection parameters for the appliance are: 9600 bps, no parity, 1 stop bit (8N1).

    *   Set the **Flow Control** to **None**.

*   An SSH connection to the management interface (if SSHD is configured).

4000 Appliances Hardware

In This Section:

Front Panel Components

This section describes the features and components located on the appliance front panel.

Check Point 4200 Front Panel
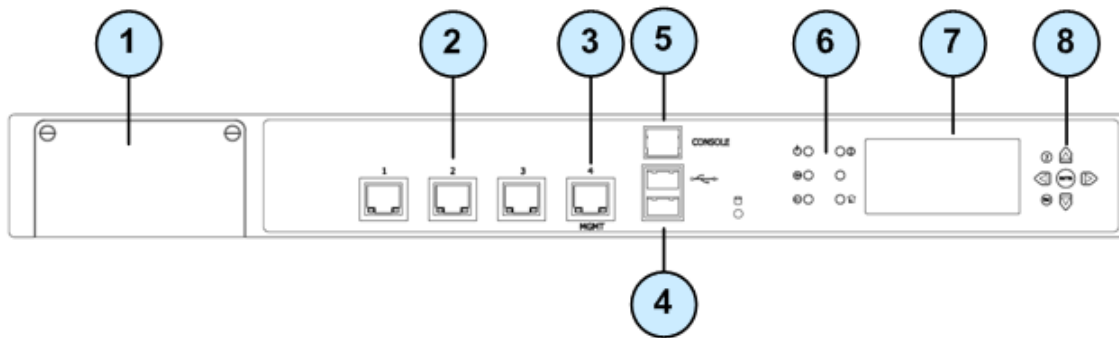
Item	Description
1	Expansion line card slot
2	Built in Ethernet ports (ETH1 - ETH3)
3	Management configuration port - Ethernet connection to a remote management workstation
4	USB ports
5	Console port - A serial connection to the appliance using a terminal emulation program such as HyperTerminal or PuTTY
6	Power indicator LED
7	LCD display screen
8	Keypad

Check Point 4400 and 4600 Front Panel
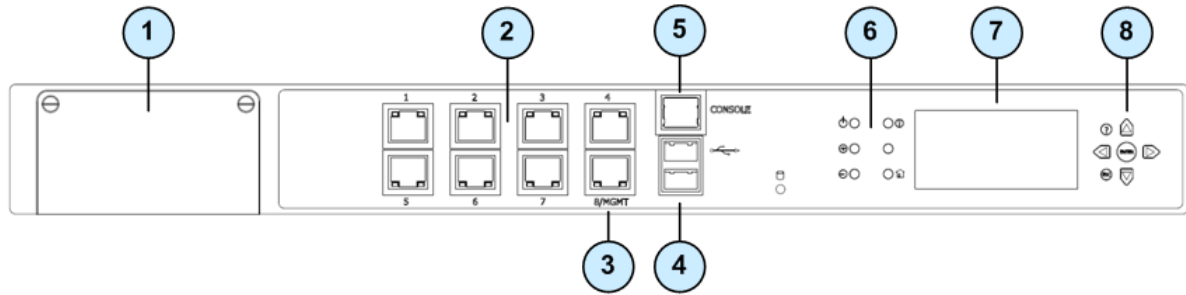
Item	Description
1	Expansion line card slot
2	Built in Ethernet ports (ETH1 - ETH7)
3	Management configuration port - Ethernet connection to a remote management workstation
4	USB ports
5	Console port - A serial connection to the appliance using a terminal emulation program such as HyperTerminal or PuTTY
6	Power indicator LED
7	LCD display screen
8	Keypad

Check Point 4800 Front Panel
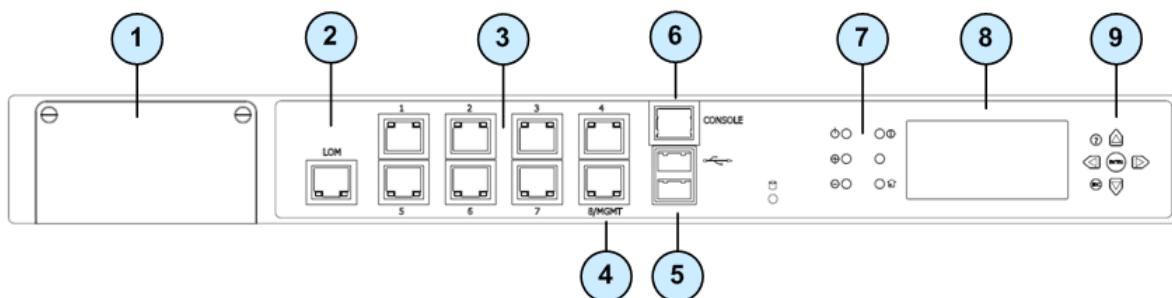
Item	Description
1	Expansion line card slot
2	LOM Port
3	Built in Ethernet ports (ETH1 - ETH7)
4	Management configuration port - Ethernet connection to a remote management workstation
5	USB ports
6	Console port - A serial connection to the appliance using a terminal emulation program such as HyperTerminal or PuTTY

Item	Description
7	Power indicator LED
8	LCD display screen
9	Keypad

Lights Out Management

The Check Point Lights Out Management (LOM) card lets you use a dedicated management channel to remotely control Check Point appliances. Lights Out Management can also work when the appliance is turned off or not responding.

For more about using Lights Out Management, see the *4800 and 12000 Appliances Lights Out Management Administration Guide* http://supportcenter.checkpoint.com.

Using the LCD Panel

The appliance has an LCD panel that you can use to do these basic management operations:

- Enable DHCP
- Configure the management IP address, netmask, and default gateway of the appliance
- Reboot the appliance

Menu Options

Menu	Sub-menu	Purpose
Network		
	DHCP	Enable or disable DHCP for the management interface.
	Set Mgmt IP	Set the management interface IP address.
	Set Netmask	Set the management interface Netmask.
	Set Default GW	Set the management interface default gateway.
System		
	Reboot	Reboot the appliance.

LCD Panel Buttons

To	Press
Enter the main menu	(ENTER)
Navigate the menu	▲ or ▼
Change a number	◀ or ▶
Select a menu option	(ENTER)

To	Press
Go back to previous menu	(ESC)

When Entering an IP Address

To	Press
Enter the grub menu	(ENTER) or ▷
Move to the next digit	▷
Move back to the previous digit	◁
Approve the change	(ENTER) when the cursor is located on the last digit
Cancel the IP change	(ESC) when the cursor is located on the first digit
Change current digit	▲ or ▼

Configuring Management DHCP

You can use the LCD panel to enable or disable DHCP on the management interface.

To configure management DHCP using the LCD panel:

1. □Press **Enter** (ENTER).

    The panel shows `Select > Network`.

2. Press **Enter** (ENTER).

    The panel shows `Network > DHCP`.

3. Press **Enter** (ENTER).

    The panel shows that DHCP is enabled or disabled.

4. Press **Up** ▲.

    - If DHCP was disabled - DHCP is enabled on the management interface.
    - If DHCP was enabled - DHCP is disabled on the management interface.

Configuring Management IP Addresses

You can use the LCD panel to configure these management interface IP addresses for the appliance:

- Management IP address
- Subnet netmask
- Default gateway

To configure the management IP address using the LCD panel:

1. ☐Press **Enter** (ENTER).

   The panel shows `Select > Network`.

2. Press **Enter** (ENTER).

   The panel shows `Network > DHCP`.

3. Press **Down** ▼.

   The panel shows `Network > Set Mgmt IP`.

4. Press **Enter** (ENTER).

   The panel shows the management interface IP address.

5. Configure the management interface IP address.

   a) ☐Press **Up** or **Down**, ▲ or ▼, to change the digit.

   b) Press **Right** or **Enter**, ▶ or (ENTER), to move to the next digit.

   c) When the panel shows the correct IP address, move the cursor to the last digit and press **Enter** (ENTER).

      The panel shows `Network > Set Mgmt IP`.

6. Do steps 3 - 5 again for the subnet netmask and the default gateway IP address.

7. Press **Esc** (ESC) until the panel shows the appliance logo.

Expansion Line Cards

There are different expansion line cards that you can use with the appliance. For more about the expansion line cards, see the *4000 Appliances* home page (http://supportcontent.checkpoint.com/solutions?id=sk68681).

Rear Panel Components

This section describes components located on the rear panel of the appliance.

⚠ **Important** - Only use the appliance when the Security Acceleration Module or the placeholder tray is in the upper slot to make sure the appliance is cooled correctly.

Main Power Switch

The main power switch controls power to the entire unit.

Redundant Power Supply Units (Check Point 4800)

The Check Point 4800 has an optional redundant power supply unit. Located at the left rear of the appliance, two hot-swappable power supply units give built-in power redundancy. Each power supply connects to an electrical outlet.

For appliances that are provisioned with one power supply unit, use the placeholder unit in the other power supply slot. This diagram shows the 4800 model with the placeholder unit:
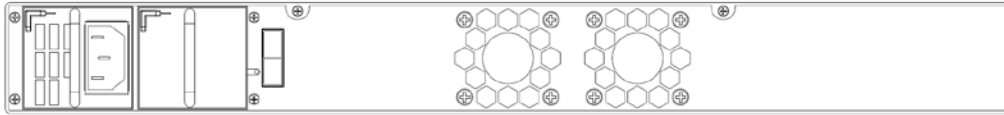
> ✎ **Note** - If both power supply slots are not populated, a continuous alarm sounds.

If a power supply fails or is not connected to the outlet, an alarm sounds continuously.

Replacing and Upgrading Components

The 4000 Appliances has parts that you can easily replace to minimize downtime. There are also components that you can install to upgrade the appliance. These are the parts and components that can be used with the appliance:

- Sliding rails

- Line cards

- Power supplies (4800 only)

- System memory (4800 only)

- LOM card (4800 only)

For more information about installing these parts and components, see the appliance home page (http://supportcontent.checkpoint.com/solutions?id=sk68681).

Unless directed to do so by Check Point technical support, you are prohibited by warranty and support agreements from replacing any parts.

Restoring Factory Defaults

In This Section:

If necessary, restore the appliance to its factory default settings or select a new image.

⚠️   **Important** - If you restore factory defaults or select a new image, all information on the appliance is deleted.

Restoring Using the WebUI

Use the WebUI of the applicable operating system to restore the appliance to the factory default settings. You can select one of the software images that are available on the appliance.

Gaia

Use the Gaia Portal to restore the default factory settings.

To restore a Gaia appliance with the Portal:

1. Open an Internet browser to the management IP address,
   `https://<appliance_ip_address>`
2. Log in to the Portal of the appliance using the administrator username and password.
3. In the Portal, click **Maintenance** > **Factory Defaults**.

   The **Factory Defaults** window opens.
4. Select the image version that you are restoring.
5. Click **Apply**.

SecurePlatform

Use the SecurePlatform WebUI to restore the default factory settings.

To restore a SecurePlatform appliance with the WebUI:

1. Open Internet Explorer and navigate to the management IP address,
   `https://<appliance_ip_address>:4434`
2. Log in to the WebUI of the appliance using the administrator username and password.
3. In the WebUI, click **Appliance** > **Image Management**.

   The **Image Management** window opens.
4. Select the image version that you are restoring.
5. Click **Revert**.

Restoring Using the Console Boot Menu

To restore the appliance using the console boot menu:

1. Connect the supplied serial cable's RJ45 connector to the console port on the front of the appliance.
2. From the computer, open a terminal emulation program such as Microsoft HyperTerminal or PuTTY.
3. Configure the terminal emulation program:
   - In the HyperTerminal **Connect To** window, select a port from the **Connect using** list.
   - In PuTTY select the **Serial** connection type.
4. Define the serial port settings: 9600 BPS, 8 bits, no parity, 1 stop bit.
5. From the **Flow control** list, select **None**.
6. Connect to the appliance.
7. Turn on the appliance.

   The appliance initializes and status messages are shown in the terminal emulation program.
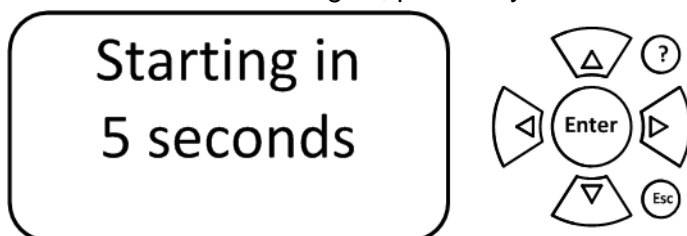

8. When this message is shown, you have approximately four seconds to hit any key to activate the **Boot** menu.
9. From the **Boot** menu, select the relevant **Reset to factory defaults** image.
10. Press **Enter**.

Restoring Using the LCD Panel

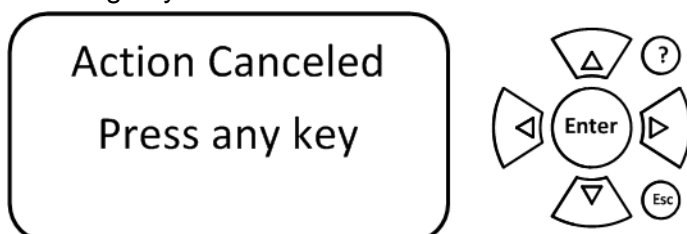**To restore the appliance using the LCD Panel keys:**

1. Reboot or turn on the appliance.
2. When the countdown begins, press any of the arrow keys.

   The **Boot** menu appears.
3. Using the arrow buttons, scroll to the relevant default factory image.
4. Press .
5. Confirm the reset by pressing .

   Pressing any other button causes the Action Canceled message to display:

At this point, pressing any key returns you to the boot menu.

6. After you confirm the reset, wait for the appliance to restore the factory image.

During the restore, a message shows continuously: `Reverting image. Do not turn off.`

When the appliance is restored to its default factory configuration, it reboots. On Gaia the `Reverting` message shows. On SecurePlatform the `Initializing` message shows.

Registration and Support

Registration

The appliance requires a product-specific Check Point license. Get a license and register at the Check Point Appliance Registration site http://register.checkpoint.com/cpapp.

Connect to the Portal of the appliance to find the MAC address that is required to obtain a license.

- Gaia - From **Advanced** mode, select **Maintenance** > **Licenses**.

- SecurePlatform - Select **Information** > **Appliance Status**.

Support

For additional technical information about Check Point products, consult the Check Point Support Center https://supportcenter.checkpoint.com.

Where To From Here?

You have the basics to get started. The next step is to get more advanced knowledge of your Check Point software.

Check Point documentation is available on the Check Point Support Center http://supportcenter.checkpoint.com.

Be sure to also use the online help when you are working with the Check Point SmartConsole clients.

Compliance Information

This appendix contains declaration of conformity, compliance, and related regulatory information.

In This Appendix

Declaration of Conformity

Manufacturer's Name: Check Point Software Technologies Ltd.

Manufacturer's Address: 5 Ha'Solelim Street, Tel Aviv 67897, Israel

Declare that under our sole responsibility the products

Model Number: T-120, T-140, T-160, and T-180

Product Options: All

Date First Applied: July, 2011

Conforms to the following product specifications:

EMC	FCC, 47 CFR, Part 15, Class A	Information Technology Equipment - Radio Disturbance Characteristics
	VCCI V-3, Class A	Information Technology Equipment - Radio Disturbance Characteristics
	AS/NZS CISPR22, Class A	Information Technology Equipment - Radio Disturbance Characteristics
	ICES-003, Class A	Information Technology Equipment - Radio Disturbance Characteristics
	CISPR22	Information Technology Equipment - Radio Disturbance Characteristics
	EN55022, Class A	Information Technology Equipment - Radio Disturbance Characteristics
	EN 61000-3-2	Information Technology Equipment - Harmonics Characteristics
	EN61000-3-3	Information Technology Equipment - Flicker Characteristics
	EN 55024	Information Technology Equipment - Immunity Characteristics
	EN61000-4-2	Information Technology Equipment - Electrostatic Discharge Immunity

	EN61000-4-3	Information Technology Equipment - Radiated RF Immunity
	EN61000-4-4	Information Technology Equipment - Fast Transient Immunity
	EN61000-4-5	Information Technology Equipment - Surge Immunity
	EN61000-4-6	Information Technology Equipment - Conducted RF Immunity
	EN61000-4-11	Information Technology Equipment - Voltage Dips and Short Interruptions Immunity
Safety	CAN/CSA, C22.2 No. 60950-1-07	Safety of Information Technology Equipment
	UL 60950-1:2007 second edition	Safety of Information Technology Equipment
	EN 60950-1:2006/A11:2009	Safety of Information Technology Equipment

The product herewith complies with the requirements of the EU Directive 2006/95/EC and the EMC Directive 2004/108/EC

Date and Place of issue: July, 2011, Tel Aviv, Israel

FCC Notice (US)

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

Caution

Any changes or modifications not expressly approved by the grantee of this device could void the user's authority to operate the equipment.