



# Software **Blades**

## FAQ

V31, November-09

## Table of Contents

<b>1</b>	<b>CHECK POINT SOFTWARE BLADES .....</b>	<b>3</b>
1.1	Software Blade architecture.....	3
<b>2</b>	<b>LICENSING SOFTWARE BLADES .....</b>	<b>5</b>
2.1	General.....	5
2.2	Multi core licensing .....	7
2.3	Software Blade Support and Services .....	8
2.4	Migrating to Software Blades from older releases .....	9
2.5	Software Blades on Check Point Appliances.....	11
2.6	License Management .....	12

# 1 Check Point Software Blades

## 1.1 Software Blade architecture

### 1.1.1 What is the Check Point Software Blade architecture?

The Check Point Software Blade architecture is the first and only security architecture that delivers total, flexible and manageable security solutions to companies of all sizes. This revolutionary new architecture provides customers with the ability to custom configure security solutions to meet their specific needs.

### 1.1.2 What is a software blade?

A software blade is a security building block that is independent, modular and centrally managed. Software Blades are logical blades that you can select and custom configure into a solution based on your specific needs today. As these needs evolve you can extend your security solution by adding and activating new blades on the same infrastructure.

### 1.1.3 What are the customer benefits of the Check Point Software Blade architecture?

The Check Point Software Blade architecture provides customers with the flexibility to deploy a custom combination of security functions in a Check Point Security Gateway or Security Management system with the assurance that these applications are interoperable and can deliver a predictable level of performance.

This allows customers to pick and choose best-of-breed security capabilities tailored for their environment. Software blades can be deployed as needed on any gateway or management system by just enabling the functionality, and without requiring upgrading hardware, firmware or drivers. This enables organizations to deploy security dynamically, as needed, with lower total cost of ownership.

Furthermore, as the R70.x software releases are based on the Software Blades architecture, only customers adopting this new architecture, will fully gain the benefits of the new products and features of these releases, on both the Security Gateway and Management, as incremental blades to their systems.

### 1.1.4 What are the options for customers to select a tailored software blade solution for their specific environment?

There are two methods of purchasing software blades for both Security Gateways and Security Management:

1. Pre-defined system: customers select a pre-defined system comprised of a container and software blades.
2. A la carte: customers select a container according to performance needs and add a custom set of software blades.

### 1.1.5 Will blades be available for Check Point appliances or only for open Server platforms?

Yes, the security functions on Check Point security appliance are grouped into Software blades, and customers can add software blades to any of the Check Point security appliance (UTM-1, Power-1, Smart-1 and IP appliances). For example, in an appliance solution a customer can purchase a UTM-1 272 appliance (that includes two blades – Firewall and VPN blade) and can add a custom set of blades on top of that system, such as an IPS blade or an Antivirus & Anti-Malware blade.

### 1.1.6 Are there any dependencies between blades?

A blade should be used on top of a container. Otherwise, there are no dependencies between the different software blades

### 1.1.7 I need to manage R70.x based Security Gateways, what management do I need?

R70 Security Gateways can be managed only by a Check Point Management systems that is version R70 or higher with matching licenses. The below table summarizes the various management options for SmartCenter:

Security management server		Permitted managed Security Gateways	
Software version	Used License	Software version	License
R70.x	SW blades	R70	SW blades
		R70	NGX
		NGX	NGX
R70.x	NGX*	R70	NGX
		NGX	NGX

\* Usage of NGX licenses on R70.x are available during the transition period as described in question 2.1.2

Provider-1 R70 with NGX license can manage R70 gateway using SW blade license. This is true until the Software blades licensing model of Provider-1 will be publicly available.

### 1.1.8 How can I get a license for Horizon Manager for managing IP appliances?

In order to obtain a Horizon manager license you need to order a Provisioning blade. The order should include both Provisioning Blade (CPSB-PRVS) and Horizon Manager (CPIP-NHM).

## 2 Licensing Software Blades

### 2.1 General

#### 2.1.1 What is the pricing and licensing model for software blades?

In general, Software Blades for Check Point Security Gateways and Management are based on the container they are attached to.

For security gateways, containers are based on the number of managed users and number of utilized CPU cores of the hardware system. For security management container licenses are based on the number of gateways managed by the management system.

Software blades are divided to regular blade with a perpetual license and cost and service blade licenses include the first year of security update services in the standard price (example: IPS signature updates for the first year are included in the price of the IPS blade license).

#### 2.1.2 In order to use R70.x, do I need to upgrade my old licenses to new Software Blade license ?

Essentially YES.

Check Point encourages you to upgrade the licenses to the Software Blade licenses in order to enjoy all R70.x 's new features and benefits.

Nevertheless, Check Point enables a transition period during in which the users can still use their existing old licenses with R70.x releases.

This transition will be supported in 2010, however an R70 HFA that will be released in H1/2010 will no longer support older license. At that stage, customers using older licenses and that will want to benefit from this HFA will be required to convert these licenses based licenses to Software Blade based licenses.

For more details with regards to the migration options, please refer to section 2.4 .

#### 2.1.3 Are software blades moveable between systems?

Yes, any "a la carte" blade (purchased individually and not part of a pre-defined system of a pre-installed blade on an appliance) can be transferred between other security gateways within the same user account.

Core functions of the base appliance or the pre-defined system packages are fixed, cannot be broken into individual blades and cannot be transferred. For example, the Firewall and IPSec VPN blades purchased as part of a pre-defined UTM-1 appliance are not transferable to new hardware, but an IPS Software Blade purchased on top of the pre-defined system is transferable to a new system.

Support price in these cases is based on the blade price account rate for all blades and is part of the cost of the annual service blades. .

### 2.1.4 Can I move a blade from a supported system to a non-supported system, and vice-versa?

No, but you can move blades to a system with the same or higher support level.

### 2.1.5 Which software blades correspond to my current R65 SKUs and features?

The following table shows mapping of R65 SKUs to the Software Blade architecture

R65 Feature	SKU	Software Blade	SKU
FireWall		FireWall blade	CPSB-FW
IPSEC VPN		IPSEC VPN blade	CPSB-VPN
Web Intelligence	CPMP-WIT	Web Security blade	CPSB-WS
SecurePlatform Pro including: *Dynamic Routing Protocols: BGP, OSPF, RIPv1, RIPv2 *Multicast Protocols: IGMP, PIM-DM, PIM-SM *central RADIUS server	CPOS-SPRO	Advanced Networking blade	CPSB-ADN
FloodGate-1/QOS	CPUTM-QOS		
Connect Control add-on	CPFW-CC-1		
ISP Redundancy			
SecureXL add-on	CPMP-PPK	Acceleration & Clustering blade	CPSB-ACCL
ClusterXL add-on	CPMP-CXLS		
Advanced VoIP includes: »Rate limiting »Far End NAT »SIP TLS »CAC (QoS) »Media protection »RTP/RTCP security		Voice over IP blade	CPSB-VOIP
SmartDashboard		Network Policy Management blade	CPSB-NPM
Visual policy	CPUTM-SMMP		
Endpoint Management		Endpoint Policy Management blade	CPSB-EPM
SmartView Tracker		Logging & Status blade	CPSB-LOGS
Smart Status			
SmartView Monitor	CPMP-SVM-U	Monitoring blade	CPSB-MNTR
Customer Log Module	CPMP-CLM	Customer Log Module Add-on blade	CPSM-P1001
SmartPortal	CPMP-SMPO	Management Portal blade	CPSB-MPTL
LDAP – SmartDirectory	CPMP-SMDR	User Directory blade	CPSB-UDIR
		IPS Event Analysis blade	CPSB-IPSA
SmartProvisioning		Provisioning blade	CPSB-PRVS
Open Security Extension add-on	CPFW-OSE		
SmartUpdate	CPUTM-SMUP		
Eventia Analyzer	CPMP-EVA	Reporting and Event Correlation blade package	CPSB-EVS
Eventia Reporter	CPMP-EVS		

### **2.1.6 How do I know what blades are included within a pre-defined system?**

The blade content of each pre-defined system or appliance can be determined by the product description in the price list. This information is also available as part of the product details in the UserCenter of your specific account.

### **2.1.7 In High availability configuration, do I need to mirror the blades on the primary and on the secondary gateways?**

Yes. The same exact blades should be deployed on both primary and secondary gateways.

### **2.1.8 Does the Event Reporting and Correlating blade license need to be the same size as the Security Management container?**

Yes, the size of the Event Reporting and Correlating blade suite should match the size of the Security Management container.

If the Reporting and Correlating blade suite is planned to be installed on a dedicated server, you need to purchase a Security Management container to be installed on that server. The Security Management Container should be sized up to match the number of actual gateways you want to have analyzed by Reporting and Correlating blade suite.

## ***2.2 Multi core licensing***

### **2.2.1 Do I need to purchase a multi-core license?**

No. you have the ability to buy—or upgrade to pre-defined systems that are licensed based on the number of cores you utilize. This allows you to more optimally leveraging multi-core technology to get more performance and security with integrated firewall, VPN, IPS and more. It also means that you pay only for what you need and use now, and extend security and performance later with flexible, pre-defined Software Blade systems.

### **2.2.2 . I replaced my hardware to a stronger hardware with more cores; do I need to change my license?**

No. Only if you want to utilize more cores in order to optimized security and packet-processing performance, should you upgrade you container to accommodate the amount of cores you wish to utilize.

### **2.2.3 Assuming I have a quad core computer, can I use a dual core container license if I do not require the full performance?**

Yes, you can use a dual core container license on quad core hardware.

Check Point Security Gateway software license on multi-core open-hardware systems is now based upon the amount of cores requested to be utilized by the user according to the license installed rather than the physical amount of cores available on the system. Later on, if needed, the additional cores can be also utilized by upgrading the Security Gateway.

Please note that with the R70.0 and R70.1 latest software releases, the user can follow the

instructions referenced in SecureKnowledge solution [SK36750](#) to specify to the operating system how many cores should be used; otherwise the user will receive a warning indicating the following: a License violation has occurred: The current machine has M CPU cores and the installed license is valid for up to N CPU cores. In future releases, the system will automatically use the number of cores as stated in the license.

## 2.3 Software Blade Support and Services

### 2.3.1 How are support costs calculated for Software Blades products?

Support services are calculated according to the account rate.

- For bundles and perpetually licensed Software Blades (not service blades), support is calculated according blades' price, per the account rate.
- For annual service blades the support will be included in the blade price (For example IPS blades which includes one year CES plus one year IPS services)
- For appliances there is a special support rate with the exception of these three models: the UTM-1 132, the UTM-1 272 and UTM-1 572.

For more information visit our "Subscription and Support Services" price list at [https://pricelist.checkpoint.com/pricelist/US/PLUSSupport/Subscription\\_Support.jsp](https://pricelist.checkpoint.com/pricelist/US/PLUSSupport/Subscription_Support.jsp)

### 2.3.2 How will Software Blades impact my support contract? Will blades be treated like any other product as part of Check Point Support programs CES or EBS?

Yes, Software Blades will be supported via the same programs that are offered today.

### 2.3.3 Using old licenses with R70.x, what services can I use ?

While using old licenses with R70.x (during the transition period as described in question 2.1.2), customers are still under their original SmartDefense contract and will benefit from SmartDefense services only.

These customers can benefit from the new Software Blade services only upon upgrading to Software Blade licenses. To summarize:

- Customer using R70.x and NGX licenses will benefit from SmartDefense or SmartDefense Total Security services.
- Customer with R70 and SW blade licenses will benefit from the new service blades such as the IPS blade services.

### 2.3.4 What is the annual Software Blades (services blades) discount category?

Category S

## 2.4 Migrating to Software Blades from older releases

### 2.4.1 What is the upgrade/migration process for current licenses?

As described in question 2.1.2, Check Point encourages you to upgrade the licenses to the Software Blade licenses in order to enjoy all R70.x 's new features and benefits.

Check Point offers a new promotion that provides you with two attractive migration alternatives from your existing products to the new Software Blades architecture.

As a Check Point customer you can receive Software Blades products with equivalent functionality to your old products free of charge.

Furthermore, you can also choose to enhance your solution and gain the full benefits of the Software Blades architecture with a minimal upgrade cost of up to 20% of your old product.

#### Examples:

Old License			Free of charge – equivalent functionality			Recommended pre-defined system		
SKU	Description	Original cost	SKU	Description	Upgrade cost	SKU	Description	Upgrade cost
CPFW-FM-25-NG	FireWall-1 Module / 25	\$ 2,080	CPSG-C101	container for 1 core and 1 blade	0\$	CPSG-P103	including container for 1 core and 3 blades.	\$ 416
CPMP-VPG-500-NG	VPN-1 Pro Gateways	\$ 9,880	CPSG-C203-F-VGP	pre-defined system including container for 2 core and 3 blades - <b>for Functionality upgrade only</b>	0 \$	CPSG-P207	pre-defined system including container for 2 core and 7 blades	\$ 1120
CPUTM-VUP-U	VPN-1 UTM Power Gateway for Unlimited Users	\$ 14,500	CPSG-C202U-F + ACCL + ADN	Container for Security Gateways with 2 cores , unlimited users , and 2 blades - <b>for Functionality upgrade only</b>  + VPN blade + Accelararion blade	0\$	CPSG-P405	pre-defined system including container for 4 core and 5 blades	\$ 1,500

### 2.4.2 How do I know what alternatives I have for each product?

A software-upgrade calculation tool will be available on the PartnerMap.

Using this calculator, you will be able to submit an old product SKU and in return the tool will return two alternative SKUs; one for ordering the free of charge functional equivalent product

and the second for ordering the recommended pre-defined system.

### 2.4.3 To migrate to Software Blades in this new promotion, what SKUs will I be required to order?

The upgrade tool will provide you with the required SKUs for ordering. Based on your upgrade choice (equivalent functionality or enhanced solution) – you will need to use the appropriate SKU.

In addition a special NSP code is to be used, for tracking purposes only.

### 2.4.4 How is the upgrade cost of the enhanced-solution upgrade alternative calculated?

The upgrade cost to the enhanced solution is calculated as the cost difference between the old product price (100% credit) and the cost of the recommended system.

This upgrade cost will not exceed 20% of the old product's original cost.

Old License			Recommended pre-defined system			
SKU	Description	Original cost	SKU	Description	SKU Cost	Upgrade cost
CPUTM-VUP-U	VPN-1 UTM Power Gateway for Unlimited Users	\$ 14,500	CPSG-P405	pre-defined system including container for 4 core and 5 blades	\$16,000	\$ 1,500
CPVP-VFM-U-NG	VPN-1 Pro Gateway for Unlimited Users	\$ 9980	CPSG-P203U	pre-defined system including container for 2 cores and 3 blades for unlimited users	\$14,000	\$1976

20% of original cost

### 2.4.5 I currently have SmartDefense Services. How will an upgrade to the Software Blades license impact my SmartDefense Services contract renewal?

Migrating to the new Software blades architecture, customers will be able to migrate their service contracts (SmartDefense or SmartDefense Total Security) to the equivalent service contract as Service Blades for the remaining service duration of the original contract.

For example a SmartDefense Services remaining contract for 5 months will be upgraded to an IPS contract for 5 months.

In cases where the recommended pre-defined system includes also an IPS service, the new IPS service contract will be valid for a year plus the remaining annual period of the original SmartDefense contract.

For example a customer upgrading an NGX based security gateway with a SmartDefense contract still valid for 4 months to a predefined system that included an IPS blade, upon upgrade

will receive a new contract for 16 months (12 + 4 months)

#### **2.4.6 How do I calculate my support rates as a result of this upgrade?**

With both migration alternatives, the support rate is calculated out of the actual list price value of the upgraded product.

#### **2.4.7 Do I need be covered by support service to benefit from this program?**

Yes, only products covered with a valid support contract are entitled to the benefits of this migration program

#### **2.4.8 What versions are included in the old upgradable product?**

Only products with licenses belonging to NG or NGX software releases are entitled to the benefits of this migration program In case my customer wants another type of migration what would be the options?

#### **2.4.9 Does this migration program apply to appliances also ?**

Yes, For UTM-1 and Power-1 appliances the same migration programs will available ( an equivalent functionality upgrade for free and an enhanced functionality solutions for minimal upgrade costs).

For customers will IP series appliances that purchased software separately, the above software upgrade processes are applicable

#### **2.4.10 What about Provider-1 and Software Blades?**

In general the same migration alternatives will apply to the upgrade of Provider-1 to software blades architecture. We are currently working on a new simplified pricelist for Provider-1 to be available at the beginning of 2010.

#### **2.4.11 How do I migrate customers using Reporter for one Gateway?**

In order to migrate SmartView Reporter (for one Gateway) to Software Blades architecture, customers will have the option to order, using the calculator, a free of charge a Reporter blade for one gateway.

## ***2.5 Software Blades on Check Point Appliances***

#### **2.5.1 How many gateways can a UTM-1 appliance manage?**

All appliances can manage two gateways except the UTM-1 130 which has self management for only one gateway.

#### **2.5.2 Can I add additional Management containers to my UTM-1 appliance?**

Yes. The number of managed Security Gateways can be increased by purchasing the Security Management Container Expansion (CPSM-SM500) for additional 5 managed gateways.

### **2.5.3 If a customer purchases an IP appliance (that includes IPS blade) and run this on R65, do they get Smart Defense included for one year?**

The customer will have the option to receive Smart Defense for the year's subscription instead of the IPS blade service.

Please note that from a functional perspective the SmartDefense is inferior to the new IPS blade therefore the sooner the customer can upgrade to the new Software based on the software blade architecture, the better.

### **2.5.4 How do I get the same functionality I had with my R65 UTM-1 appliance upon upgrade to SWb**

Migrating UTM-1 appliances to Software Blades architecture, customers will be able to maintain their original management functionality free of charge. The additional functionality (SmartDirectory, SmartView Monitor, Express Reports) will be available by ordering a single SKU

## ***2.6 License Management***

### **2.6.1 Do I need to license the Security blades one by one?**

No, you only need to activate the license for the container and this will activate all the blades attached to it. The same applies to pre-defined systems and appliances.

### **2.6.2 If I purchase an “a la-carte” Security Gateway container and a few blades to be used on that container, will I get different license strings for each blade and container?**

No. In the User Center you will be required to attach the blades to the Security Gateway container. When activating the license you will get one license string which includes the Security Gateway container and the attached blades.

### **2.6.3 Can I de-activate a blade license?**

Yes, software blade licenses can be de-activated without negatively affecting the integrity of the security gateway.