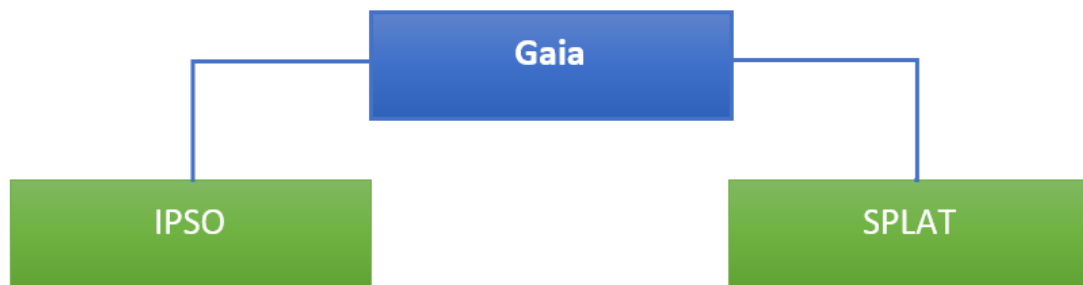


Gaia:

IPSO was the initial version, based on BSD (Nokia's IPSO). Check Point IPSO is the operating system for the 'Check Point Firewall' appliance and other security devices, based on FreeBSD, with numerous hardening features applied. In 2009, Check Point acquired the Nokia security appliance business, including IPSO, from Nokia. Check Point IPSO is no longer maintained by Check Point. Afterward, SecurePlatform (SPLAT), based on RedHat.



Gaia is the latest version of Checkpoint which is a combination of SPLAT and IPSO. Gaia is the Check Point next generation operating system for security applications. In Greek mythology, Gaia is the **mother of all**. The Gaia Operating System supports the full portfolio of Check Point Software Blades, Gateway and Security Management products. Gaia is a unified security Operating System that combines the best of Check Point original operating systems, and IPSO, the operating system from appliance security products. Gaia is available for all Check Point Security Appliances and Open Servers. Here are some benefits of Gaia as compare to SPLAT/IPSO.

1. Web-Based user interface with Search Navigation
2. Full Software Blade support
3. High connection capacity
4. Role-Based administrative Access
5. Intelligent Software updates
6. Native IPv4 and IPv6 Support
7. ClusterXL or VRRP Clusters
8. Manageable Dynamic Routing Suite
9. Full Compatibility with IPSO and SecurePlatform.

Firewall	OS
Check Point Firewall	IPSO and Gaia (Linux-based)
FortiGate Firewall	FortiOS, Based on the Linux kernel
Palo Alto Firewall	PAN-OS, Based on the Linux kernel
Juniper SRX	Junos



Gaia & CLI

R80.40



Gaia settings can be divided into two broad categories:

System Settings:

System settings such as IP addresses, ARP, Time, Messages, Routing, NTP, DNS, DHCP, SNMP, backups, system updates, etc. These parameters are configured through the WebUI or CLI. It is called Gaia Portal, in Check Point terminology. And you can access it using a browser, typing on https to the device's IP address. It supports browsers Chrome, Firefox, Safari and IE.

View mode: Advanced

Overview

Network Management

Network Interfaces

ARP

DHCP Server

Hosts and DNS

IPv4 Static Routes

NetFlow Export

System Management

Time

Cloning Group

SNMP

Job Scheduler

Mail Notification

Proxy

Messages

Display Format

Session

System Overview

Check Point Security Gateway | R80.40

Kernel: 3.10.0-957.21.3cpx86_64

Edition: 64-bit

Build Number: 294

System Uptime: 4 minutes

Software Updates: no new recommended updates detected

Platform:
Open Server

← System Settings

The symbol > means that you are in the default Shell called **Clish**. This is a limited mode in which a limited number of commands and settings are available. For full access to all commands, you must enter Expert mode. This can be compared to the CLI from Cisco, where there is a user mode and a privileged mode, which requires the enable command to enter. In Gaia, you must enter the **expert** command to enter expert mode.

```

SG
gw-010000> show interface eth0
state on
mac-addr 50:00:00:01:00:00
type ethernet
link-state link up
mtu 1500
auto-negotiation on
speed 1000M
ipv6-autoconfig Not configured
duplex full
monitor-mode Not configured
link-speed Not configured
comments
ipv4-address 192.168.114.50/24
ipv6-address Not Configured
ipv6-local-link-address Not Configured

```

Security Settings:

Security Settings such as Everything regarding Access Lists, IPS, Anti-Virus, Anti-Spam, Anti-Bot, Application Control, etc. That is, all security features. For this, they already use SmartConsole.

Status	Name	IP	Versi...	Active Blades	Hardware	CPU Usa...	Recommended Updat...	Recommended Jumbo
✓	GW-FW	192.168.100.50	R80.40	Active	Open server	32%	6 updates available	Check_Point_R80_40_JUMB...

Summary
Tasks
Errors

GW-FW

IPv4 Address: **192.168.100.50**

OS: **Gaia**

Version: **R80.40**

License Status: Not Activated

Open server

Access Blades

- Firewall

Management Blades

- Network Policy Management
- Logging & Status