

Juniper vs Fortinet vs PaloAlto vs Check Point (Page 1 of 3)



High-Level Architecture

Aspect	Juniper	Fortinet	PaloAlto	Check Point
Operating System	Junos OS	FortiOS	PAN-OS	Gaia OS (SecurePlatform)
Hardware Platforms	SRX Series (Security Appliances)	FortiGate (Security Appliances)	PA Series (Firewalls)	Check Point Security Gateway (Appliances)
Virtualized Solutions	vSRX (Virtual Firewall)	FortiGate-VM (Virtual Firewall)	VM-Series (Virtual Firewalls)	Check Point Security Gateway (Virtual Appliances)
Security Management Platform	Junos Space	FortiManager	Panorama	SmartConsole
Cloud Solutions	Sky Enterprise	FortiCASB	Prisma Cloud	CloudGuard
Centralized Logging and Reporting	Security Director	FortiAnalyzer	Panorama (Logging Service)	SmartEvent
Multi-Factor Authentication	NA	FortiToken	GlobalProtect	Mobile Access
SD-WAN Solution	Contrail SD-WAN	Fortinet Secure SD-WAN	Palo Alto Networks SD-WAN	Check Point Harmony Connect
Intrusion Detection and Prevention	SRX Series (IDP)	FortiGate (FortiGuard IPS)	Palo Alto Networks (Threat Prevention)	Check Point (IPS)
Advanced Threat Protection	Sky ATP	FortiSandbox	WildFire	SandBlast
VPN	SRX Series	FortiGate	Palo Alto Networks (GlobalProtect)	Check Point (VPN-1)
Load Balancing	Junos OS (AppSecure)	FortiGate (FortiADC)	Palo Alto Networks (GlobalProtect)	Check Point (SecureXL)
Web Filtering	Sky ATP	FortiGate (FortiGuard Web Filtering)	Palo Alto Networks (URL Filtering)	Check Point (URL Filtering)
Application Control	Junos OS (AppSecure)	FortiGate (FortiGuard Application Control)	Palo Alto Networks (App-ID)	Check Point (Application Control)
High Availability (HA)	Chassis Clustering	FortiGate HA	Palo Alto Networks HA	Check Point ClusterXL

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Common Configurations

Configuration Task	Juniper	Fortinet	PaloAlto	Check Point
Interface Configuration	set interfaces <interface> <parameters>	config system interface	configure + set network interface	ifconfig
VLAN Configuration	set vlans <vlan-name> vlan-id <id>	config system interface	configure + set network interface vlan	set vlan <vlan-name> tag <id>
Routing Configuration	set routing-options	config router	configure + set routing-options	set static-route <parameters>
Security Policy Configuration	set security policies	config firewall policy	configure + set policy	fw ctl pstat
NAT Configuration	set security nat	config firewall vip	configure + set network nat	fw tab -t fwx_alloc -u
VPN Configuration	set vpn	config vpn ipsec phase1-interface	configure + set network vpn	vpn tu
BGP Configuration	set protocols bgp	config router bgp	configure + set routing-options autonomous-system	cpstat -f all bgp
OSPF Configuration	set protocols ospf	config router ospf	configure + set routing-options	cpstat -f all ospf
Syslog Configuration	set system syslog	config system syslog	configure + set deviceconfig setting syslog	set syslog <parameters>
SNMP Configuration	set snmp	config system snmp community	configure + set deviceconfig setting	set snmp agent <parameters>

Equivalent Commands

Description	Juniper	Fortinet	PaloAlto	Check Point
Displays device software & hardware info	show version	get system status	show system info	fw ver
Lists all interfaces and their status	show interfaces terse	diagnose hardware deviceinfo nic	show interface all	ifconfig
Displays current configuration	show configuration	show	show config running	show config running

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Equivalent Commands contd...

Description	Juniper	Fortinet	PaloAlto	Check Point
Displays routing table	show route	get router info routing-table all	show routing route	fw ctl multik stat
Displays configured security policies	show security policies	show firewall policy	show running security-policy	fw ctl pstat
Displays NAT translations (VIP)	show security nat source	show firewall vip	show running nat rules	fw tab -t fw_x_alloc -u
Displays configured address objects	show security zones	show firewall address	show running zone	fw tab -t fw_x_alloc -u
Displays IPSec VPN tunnels	show security ipsec sa	get vpn ipsec tunnel summary	show vpn flow tunnel	vpn tu
Displays UTM feature profiles	show security utm feature-profile	show firewall profile-protocol-options	show running antivirus	fw ctl zdebug drop
Displays UTM status	show security utm status	get log utm status	show running antivirus	fw ctl zdebug drop
Displays BGP summary	show bgp summary	get router info bgp summary	show routing protocol bgp	cpstat -f all bgp
Displays OSPF neighbor status	show ospf neighbor	get router info ospf neighbor	show routing protocol ospf neighbor	cpstat -f all ospf

Architectural Diagram

