IOS XR	JUNOS	SROS	HVRP

COMPARISON OF TOP FOUR VENDORS'S COMMAND LINE

BASIC			
show	show	show	display
exit	exit / up	exit	quit
run	do	-	-
end	exit	exit all	return
| include	| match	| match	| include
... formal |	| display-set	-	-
reload	request system reboot	admin reboot now	reboot
CONFIGURATION			
show running-config	show configuration	admin display-config	display current-configuration
show startup-config	-	-	display saved-configuration
configure terminal	configure / edit	configure	system view
hostname *hostname*	system host-name *hostname*	system name *systemname*	sysname *systemname*

CISCO IOS XR	JUNIPER NETWORKS JUNOS	Alcatel·Lucent NOKIA SROS	HUAWEI HVRP
show (after conf change)	show | compare	info (after conf change)	-
commit	commit	admin save	save
shut down	disable	shut down	shut down
no shut down	delete interfaces *x* disable	no shutdown	undo shut down
no	delete	no	undo
SHOW			
show clock	show system uptime	show system time	display clock
show ntp status	show ntp status	show system ntp	display ntp-service status
show history	show cli history	history	display history-command
show platform	show chassis fpc	show card, show mda	display device pic-status
admin show platform	show chassis fpc detail	show card detail, show mda detail	display device
show environment	show chassis environment	-	-
show inventory	show chassis hardware	-	-
admin show environment | include PM	show chassis hardware | match PSM	show chassis environment power-supply	display power
show diags	show chassis hardware	show chassis environment	-

COMPARISON OF TOP FOUR VENDORS'S COMMAND LINE

Gokhan Kosem

CISCO IOS XR	JUNIPER NETWORKS JUNOS	Alcatel·Lucent NOKIA SROS	HUAWEI HVRP
show memory summary	show chassis routing engine	show system memory-pools	display memory-usage
show processes cpu	show system processes extensive	show system cpu	display cpu-usage
show users	show system users	show system users	display users
show version	show version	show version	display version
show licence	-	-	display licence
-	show system alarms	show system alarms	display alarm all / active
-	show chassis alarms	-	-
show arp	show arp	show router arp	display arp all
show interface	show interfaces	show router interface	display ip interface
show interface *interface*	show interfaces *interface*	show port *port*	display ip interface *interface*
show interface *interface* **statistics**		show port *port* **statistics**	
show interface brief	show interface terse	show router interface summary	display ip interface brief
show policy-map	show class-of-service interface	show router policy	-
show policy-map interface	show interfaces queue	-	-
show route	show route	show router route-table	display ip routing-table

COMPARISON OF TOP FOUR VENDORS'S COMMAND LINE

Gokhan Kosem

IOS XR	JUNOS	SROS	HVRP
show route summary	show route summary	show router route-table summary	-
show route ipv6	show route table inet6.0	show router route-table ipv6	display ipv6 routing-table
show route-map	show policy	show router policy	display route-policy
show snmp	show snmp statistics	show snmp counters	display snmp statistics
show tcp	show system connections	show system connections	display tcp statistics
show ipv4 traffic	show system statistics	-	display ip statistics
show protocols	show route protocol	-	-
show flash	show flash	file (+ dir)	dir flash:
show filesystem	show system storage	-	dir
show bfd session	show bfd session	show router bfd session	display bfd session all
show bfd interfaces location x	-	show router bfd interface	display bfd interface
show interfaces be *x*	show interfaces ae*x*	show lag *x*	display interface Eth-Trunk *x*
show interfaces be *x* details	show interfaces ae*x* details	show lag *x* detail	-
-	-	show lag *x* associations	-

COMPARISON OF TOP FOUR VENDORS'S COMMAND LINE

Gokhan Kosem

CISCO IOS XR	JUNIPER JUNOS	Alcatel-Lucent NOKIA SROS	HUAWEI HVRP

TSHOOT			
ping *ip_address*	**ping** *ip_address*	**ping** *ip_address*	**ping** *ip_address*
traceroute *ip_address*	**traceroute** *ip_address*	**traceroute** *ip_address*	**tracert** *ip_address*
debug	**debug**	**debug**	**debugging**
no debug	**undebug all**	**no debug**	**undo debugging**
monitor interface *interface*	**monitor interface** *interface*	**monitor port** *port*	**-**
terminal monitor	**monitor start messages**	**-**	**terminal monitor /terminal trapping**
terminal monitor disable	**monitor stop messages**	**-**	**undo terminal monitor**
show tech-support	**request support info**	**admin tech-support**	**display diagnostic-information**
show logging	**show log messages**	**show log log-id 99 (all)**	**display logbuffer**
show controllers *interface*	**show interfaces diagnostic optics** *interface*	**-**	**display controller**
show access-lists	**show firewall**	**show filter ip** *x*	**display acl** *x*
CLEAR			
clear	**clear**	**clear**	**reset**
clear counters *interface*	**clear interface statistics** *interface*	**clear counter interface** *xx*	**reset counters interface** *xx*

CISCO IOS XR	JUNIPER NETWORKS JUNOS	Alcatel·Lucent NOKIA SROS	HUAWEI HVRP
clear arp-cache	clear arp	clear router arp	reset arp
clear cef	-	-	reset ip fast-forwarding
clear route *	clear ip route	clear router route-adv	reset ip forwarding-table statistis protocol all
clear access-list counters	clear firewall	clear filter	-
clear line *line*	request system logout *username*	-	-
OSPF			
show ospf (summary)	show ospf overview	show router ospf status	display ospf brief
show ospf database	show ospf database	show router ospf database	display ospf lsdb
show ospf interface	show ospf interface	show router ospf interface	display ospf interface
show ospf neighbor	show ospf neighbor	show router ospf neighbor	display ospf nexthop
show route ospf	show route protocol ospf	show router ospf routes	display ip routing-table protocol ospf
show ospf virtual-links	-	show router ospf virtual-link	display ospf vlink
show ospf statistics	show ospf statistics	show router ospf statistics	display ospf statistics
ISIS			
display isis interface	show isis interface	show router isis interface	display isis interface

IOS XR	**JUNOS**	**SROS**	**HVRP**
show clns neighbor	show isis adjacency	show router isis adjaceny	display isis peer
show isis database	show isis database	show router isis database	display isis lsdb
show isis topology	show isis topology	show router isis topology	-
show isis routes	show isis route	show router isis routes	display isis route
show isis spf-log	show isis spf log	show router isis spf-log	display isis spf-log
show isis statistics	show isis statistics	show router isis statistics	display isis statistics
clear clns neighbors	clear isis adjacency	clear router isis adjacency	-
clear isis *	clear isis database	clear router isis database	-
clear isis statistics	clear isis statistics	clear router isis statistics	-
BGP			
show bgp	show route protocol bgp	show router bgp routes	display bgp routing-table
show bgp community	show route community	-	-
show bgp neighbors	show bgp neighbor	show router bgp neighbor	display bgp peer
show bgp peer-group	show bgp group	show router bgp group	display bgp group
show bgp summary	show bgp summary	show router bgp summary	display bgp peer

COMPARISON OF TOP FOUR VENDORS'S COMMAND LINE

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CISCO IOS XR	JUNIPER JUNOS	Alcatel·Lucent NOKIA SROS	HUAWEI HVRP
show route bgp	show route protocol bgp	show router bgp routes	display ip routing-table protocol bgp
clear bgp	clear bgp neighbor	clear bgp	reset bgp all
clear bgp nexthop registration	clear bgp neighbor	clear bgp next-hop	-
MPLS			
show mpls interface	show mpls interface	show router mpls interfaces	display mpls interface
show mpls ldp summary	show ldp overview	show mpls ldp summary	display mpls ldp all
show mpls ldp interface	show mpls ldp interface	show router ldp interface	display mpls ldp interface
show mpls ldp bindings	-	show router ldp bindings	-
show mpls ldp neighbor brief	show ldp neighbor	show router ldp session	display mpls ldp adjacency
show rsvp interface	show rsvp interface	show router rsvp interface	display mpls rsvp-te interface
show rsvp neighbors	show rsvp neighbor	show router rsvp neighbors	display mpls rsvp-te peer
show rsvp session	show rsvp session	show router rsvp session	display mpls rsvp-te session x
Show rsvp counters	show rsvp statistics	show router rsvp statistics	display mpls rsvp-te statistics global
MULTICAST			
show mfib/mrib route	show multicast route	show mfib/mrib route	display multicast routing-table

COMPARISON OF TOP FOUR VENDORS'S COMMAND LINE

Gokhan Kosem

IOS XR	JUNOS	SROS	HVRP
-	show multicast statistics	-	display multicast flow-statistic
show pim interface	show pim interfaces	show router pim interfaces	display pim interface
show pim neighbor	show pim interfaces	show router pim neighbor	display pim neighbor
show pim traffic	show pim statistics	show router pim statistics	-
show igmp interface	show igmp interface	show router igmp interface	display igmp interface
show igmp traffic	show igmp statistics	show router igmp statistics	-
VRRP			
show vrrp interface *interface*	show vrrp interface *interface*	show router vrrp instance *interface*	display vrrp interface *interface*
show vrrp status	show vrrp brief	-	display vrrp brief
show vrrp summary	show vrrp summary	-	-
show vrrp statistics	-	show vrrp statistics	display vrrp statistics