COMMAND		Description	Example
Show commands			
IGMP			
show igmp interface		shows state, querier (DR for that segment), version (default 2) and IGMP timers	
show igmp group		shows the multicast groups joined	
show igmp statistics		shows igmp message statistics	
PIM			
show pim interface		lists configured PIM interfaces -- mode (default sparse), state (DR, ptp), neighbors	
show pim neighbors	detail	shows info about pim neighboring routers	
show pim statistics		shows pim messages being sent or received	
show pim join extensive		shows current state of pim joins, multicast group address & interface used to forward streams. Also rpt or stp tree in use displays (*,G) and (S,G) states and also RPF interface info	
clear pim join		flushes join states!	
show pim source detail		shows active multicast sources and their RPF intf. also multicast groups serviced by these source	
show pim rps	extensive	shows the RP addresses, how it was learned and which groups are served	
show pim bootstrap		shows the BSR election process and state	
RPF			
show multicast usage		to view packets/bytes seen for every multicast group address	
show multicast rpf	!!!!	to view the RPF table used during multicast forwarding, similar to inet.0 displays source prefix, from which protocol was learned & the uptsream interface	
show multicast route		to verify multicast group addresses and their sources (S,G)	
	extensive	also displais NHID which are a numerical reference to the OIL	
show route table inet.1		as above with protocol and preference (S,G)	
show multicast next-hops		displays the multicast outgoing interface list (OIL), mapping of NHid to interfaces	
show nhdb id … extensive		next-hop database with IFL-list	
MSDP			
show msdp	detail	shows MSDP sessions and their status	
show msdp source-active		shows MSDP sources active (SA) and whether the SA is accepted, rejected or filtered	
show route table inet.4		MSPD table. Almost the same as the above but with (S,G) notation	
show multicast rpf inet summary		displays what table multicast uses (inet.0 by default)	