Ruckus ICX switches 7150, 7250, 7450, 7650, 7750, 7850 diagnostics commands

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> **NOTE** When in doubt, use Cisco IOS-like commands, as most are equivalent.

Table 1. Ruckus ICX switch (former Brocade) diagnostics commands

Command	Description
show version	Show the switch hardware version, whether stack or not, uptime, serial number, firmware version.
show flash	Show boot images stored in the flash - primary and secondary boot images and thier versions, flash free space.
show dir OR **show files**	List contents of the flash - in addition to boot images, also startup configuration file and anything else stored in the flash.
show boot	Show in what sequence boot images will be tried on reload, usually Primary then Secondary.
show cpu tasks	Show last 1 second CPU load per task in percents.
show cpu histogram waittime AND **show cpu histogram holdtime**	Shows the task CPU usage in each bucket. This includes how many times a task run time or hold time falls in each bucket, and the maximum run time and total run time for each bucket. Hold time - The time that the task is holding the CPU without yield. Wait time - The time that the task is waiting for execution.
show fdp neighbor AND **show fdp neighbor detail**	Show CDP or/and LLDP neighbors, provided any of these protocols are enabled on the switch.
show run	Show the running configuration.
show statistics brief	Show stats for all interfaces - cumulative packets in/out, error in/outs.

Command	Description
show statistics ethernet \<port number>	Show detailed statistics for the interface *\<port number>* - packets/bytes in/out, bad packets/frames, CRC count, Collisions, Interface bandwidth utilization in percents, current interface utilization in bits/sec.
show spanvlan \<vlan number>	Show spanning tree status (optionally) for a given VLAN - who is root, interface cost, state (forwarding, disabled) of each interface.
show vlan \<vlan number>	Show VLAN information - spanning tree status (on/off), SPT priority, which ports are tagged and which are not, Uplink ports if any.
show inline power	Show power over the Ethernet status for each interface, if enabled/supported.
show int \<interface name>	Detailed interface statistics like `show int` in Cisco equipment - port uptime, MAC address, configured vs actual speed/duplex, MDI mode, STP state, input/output rate in bits/sec,