cnMatrix DHCP Client Parameters and Commands

Commands	Description	CLI Mode
`debug ip dhcp client { all	bind	errors	events	packets }` Available options: • `all` - Generates debug statements for all kind of failure traces. • `bind` - Generated debug statements for trace bind messages. • `errors` - Generates debug statements for trace error code debug messages. • `event` - Generates debug statements for DHCP client events that provide DHCP client service status. • `packets` - Generates debug statements for packets related messages.	Enables the tracking of the DHCP client operations as per the configured debug levels.	Privileged EXEC
`release dhcp { mgmt0	vlan <vlan-id (1-4094)>	<interface-type> <interface-id> }`	Releases the DHCP lease obtained for an IP address from a DHCP server and assigned to the specified interface.	Privileged EXEC
`renew dhcp { mgmt0	vlan <vlan-id (1-4094)>	<interface-type> <interface-id> }`	Renews the DHCP lease for the interface specified.	Privileged EXEC
`show ip dhcp client stats`	Displays the DHCP client statistics information for interfaces that are configured to acquire IP address dynamically from the DHCP server.	Privileged EXEC
`ip dhcp client discovery timer <integer (1-300)>`	Configures DHCP Client Discovery timer, which denotes the time to wait between discovery messages sent by the DHCP client.	Privileged EXEC
`no ip dhcp client discovery timer`	The no form of the command resets DHCP Client discovery timer with its default value.	Privileged EXEC
`ip dhcp client idle timer <integer (1-30)>`	Configures DHCP Client idle timer, which specifies the time to wait after four unsuccessful DHCP client discovery messages.	Privileged EXEC
`no ip dhcp client idle timer`	The no form of the command resets the DHCP Client idle timer with the default value.	Privileged EXEC
`ip dhcp client arp-check timer <integer (1-20)>`	Configures DHCP client retransmission timeout between ARP messages.	Privileged EXEC
`no ip dhcp client arp-check timer`	The no form of the command resets DHCP Client arp timer with the default value.	Privileged EXEC
`[no] ip dhcp client fast-access`	Enables DHCP Fast access Mode. If fast access mode is enabled, time to wait between discovery messages i.e. discovery timeout and time to wait after four	Privileged EXEC

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	unsuccessful discovery will be user configurable and the default value for discovery timeout is 5 seconds and for the null state timeout is 1 second. The no form of the command disables DHCP Client fast access mode. If the mode is disabled, default value for discovery timeout and null state timeout will be 15 seconds and 180 seconds respectively. The timeout values cannot be changed under disable mode.	
`ip dhcp client client-id {<interface-type> <interface-id>	vlan <vlan-id (1-4094)>	ascii <string> }`	Sets unique identifier to dhcp client identifier.	Interface Configuration
`ip dhcp client request { sip-server-info	option43	option240}`	Sets the dhcp option type to request the server.	Interface Configuration
`ip dhcp client vendor-specific <vendor-info>`	Configures vendor specific information for the DHCP client.	Interface Configuration
`ip address dhcp`	Enables the DHCP client functionality on the selected interface.	Interface Configuration
`no ip address`	Disables DHCP client functionality on the selected interface.	Interface Configuration
`show ip dhcp client fast-access`	Displays DHCP fast access information such as Fast Access Mode status, Dhcp Client Fast Access DiscoverTimeOut, Dhcp Client Fast Access NullStateTimeOut, Dhcp Client Fast Access Arp Check TimeOut values.	Privileged EXEC
`show ip dhcp client option`	Displays DHCP client options set by Server which provides the details like interface, interface type, length and value.	Privileged EXEC
`show ip dhcp client client-id`	Displays the unique identifier to DHCP client.	Privileged EXEC
`clear ip dhcp client statistics [interface {vlan <VlanId(1-4094)> |<interface-type> <interface-id>}]`	Clears the DHCP client statistics for all ports or for the specified interface created in the system.	Global Configuration