cnMatrix RADIUS Parameters and Commands

Commands	Description	CLI Mode
`radius-server host {ipv4-address	ipv6-address	<dns_host_name>} [auth-port <integer(1-65535)>] [acct-port <integer(1-65535)>] [timeout <1-120>] [retransmit <1-254>] [key <secret-key-string>] [primary]`  Available options:  • `ipv4-address` - Configures the IPv4 address of the RADIUS server host. • `ipv6-address` - Configures the IPv6 address of the RADIUS server host. • auth-port <integer(1-65535)> - Configures a specific UDP (**User Datagram Protocol**) destination port on this RADIUS server to be used solely for the authentication requests. • acct-port <integer(1-65535)> - Configures a specific UDP destination port on this RADIUS to be solely used for accounting requests. • retransmit <1-254> - Configures the maximum number of attempts to be tried by a client to get response from the server for a request. • timeout <1-120> - Configures the time period in seconds for which a client waits for a response from the server before retransmitting the request. • key <secret-key-string> - Configures the per-server encryption key which specifies the authentication and encryption key for all RADIUS communications between the authenticator and the RADIUS server. • primary - Sets the RADIUS server as the primary server.	Configures the RADIUS client with the parameters (host, timeout, key, retransmit).	Global Configuration
`debug radius {all	errors	events	packets	responses	timers}` Available options: • all - Generates traces for all the RADIUS server messages. • `errors` - Generates traces for error code messages. • events - Generates traces for	Enables RADIUS debugging options.	Privileged EXEC

Commands	Description	CLI Mode
events related messages. • **packets** ─ Generates packets related messages. • responses - Generates traces for responses sent from the server to authenticator. • timers - Generates traces for the different timers used in the session before the system is reboot.		
show radius server [{<ucast_addr> | <ip6_addr> | <dns_host_name>}]	Displays RADIUS server Host information which contains, Index, Server address, Shared secret, Radius Server status, Response Time, Maximum Retransmission, Authentication Port and Accounting Port.	Privileged EXEC
show radius statistics	Displays RADIUS Server Statistics for the data transfer between server and the client from the time of initiation.	Privileged EXEC