

cnMatrix LLDP Parameters and Commands

Commands	Description	CLI Mode
<pre>set lldp {enable disable management- address tag version}</pre> <p>Available options:</p> <ul style="list-style-type: none"> • <code>disable</code> • <code>enable</code> • <code>management-address</code> • <code>tag</code> • <code>version</code> 	Transmits or receives LLDP frames from the server to the LLDP module.	Global Configuration
<pre>lldp transmit-interval <seconds(5-32768)></pre>	Sets the transmission interval in which the server sends the LLDP frames to the LLDP module.	Global Configuration
<pre>lldp holdtime-multiplier <value(2-10)></pre>	Sets the holdtime-multiplier value, which is the amount of time, the server should hold the LLDP.	Global Configuration
<pre>lldp reinitialization-delay <seconds(1-10)></pre>	Sets the reinitialization delay time which is the minimum time an LLDP port will wait before reinitializing LLDP transmission.	Global Configuration
<pre>lldp tx-delay <seconds(1-8192)></pre>	Sets the transmit delay which is the minimum amount of delay between successive LLDP frame transmissions.	Global Configuration
<pre>lldp notification-interval <seconds(5- 3600)></pre>	Sets the time interval in which the local system generates a notification-event.	Global Configuration
<pre>lldp chassis-id-subtype { chassis-comp <string(255)> if-alias port-comp <string(255)> mac-addr nw-addr if- name local <string(255)> }</pre> <p>Available options:</p> <ul style="list-style-type: none"> • <code>chassis-comp <string(255)></code> - Represents a chassis identifier based on the value of <code>entPhysicalAlias</code> object for a chassis component • <code>if-alias</code> - Represents a chassis identifier based on the value of <code>ifAlias</code> for an interface on the containing chassis. • <code>port-comp <string(255)></code> - Represents a chassis identifier based on the value of <code>entPhysicalAlias</code> object for a port or backplane within the chassis. • <code>mac-addr</code> - Represents a chassis identifier based on the value of a unicast source address, of a port on the chassis. • <code>nw-addr</code> - Represents a chassis identifier based on a network address, associated with a particular chassis. • <code>if-name</code> - Represents a chassis identifier based on the value of <code>ifName</code> object for an interface on 	Configures an ID for LLDP chassis subtype which is a unique address of any module.	Global Configuration

Commands	Description	CLI Mode
<p>the containing chassis.</p> <ul style="list-style-type: none"> local <string(255)> - Represents a chassis identifier based on a locally defined value. 		
clear lldp counters	Clears the inbuilt counter which has the total count of LLDP frames that are transmitted/ received.	Global Configuration
clear lldp table	Clears all the LLDP information about the neighbors.	Global Configuration
<pre>lldp {transmit receive} [mac-address <mac_addr>]</pre> <p>Available options:</p> <ul style="list-style-type: none"> transmit - Enables transmission of LLDPDUs. receive - Enables reception of LLDPDUs mac-address <mac_addr> - Configures the MAC address to be used as destination MAC address by the LLDP agent on the specified port 	Transmits or receives LLDP frames from the one of the ports of the server to the LLDP module	Interface Configuration (Physical Interface)
<pre>lldp notification ([remote-table-chg][mis-configuration]) [mac-address <mac_addr>]</pre>	Controls the transmission of LLDP notifications.	Interface Configuration (Physical Interface)
<pre>show lldp</pre> <p>Available options:</p> <ul style="list-style-type: none"> errors interface local neighbors peers statistics traffic 	Displays LLDP global configuration details to initialize on an interface.	Privileged EXEC
<pre>show lldp interface [<interface-type> <interface-id>] [mac-address <mac_addr>]</pre> <p>Available options:</p> <ul style="list-style-type: none"> <interface-type> - displays the information about the specified type of interface: <ul style="list-style-type: none"> gigabitethernet - a version of LAN standard architecture that supports data transfer up to 1 Gigabit per second. extreme-ethernet - A version of Ethernet that supports data transfer up to 10 Gigabits per second. 	Displays the information about interfaces where LLDP is enabled.	Privileged EXEC
<pre>show lldp neighbors [chassis-id <string(255)> port-id <string(255)>] [<interface-type> <interface-id>] [detail]</pre> <p>Available options:</p> <ul style="list-style-type: none"> chassis-id <string(255)> - Displays LLDP Neighbor information for the specified chassis identifier value. <interface-type> - displays the information about the specified type of interface. detail - displays the information obtained from all the received TLVs . 	Displays information about neighbors on an interface or all interfaces.	Privileged EXEC

Commands	Description	CLI Mode
show lldp traffic [<iftyp> <ifnum>[mac-address <mac_addr>]] Available options: <ul style="list-style-type: none"> • <interface-type> - Displays the LLDP counters for specified type of interface. 	Displays LLDP counters on all interfaces or on a specific interface.	Privileged EXEC
show lldp local {[<interface-type> <interface-id> [mac-address <mac_addr>]] [mgmt-addr]} Available options: <ul style="list-style-type: none"> • <interface-type> - displays the current switch information for the specified type of interface. • mgmt-addr - all the management addresses configured in the system and Tx enabled ports. 	Displays the current switch information that will be used to populate outbound LLDP advertisements for a specific interface or all interfaces.	Privileged EXEC
show lldp errors	Displays the information about the errors such as memory allocation failures, queue overflows and table overflow.	Privileged EXEC
show lldp statistics	Displays the LLDP remote table statistics information.	Interface Configuration (Physical Interface)
set lldp version {v1 v2} Available options: <ul style="list-style-type: none"> • v1 - enables LLDP 2005 version 1 on the port. • v2 - enables LLDP 2009 version 2 on the port. 	Enables the lldp version to be used on the system.	Global Configuration
lldp txCreditMax <value (1-10)>	Configures the maximum number of consecutive LLDPDUs that can be transmitted any time.	Global Configuration
lldp MessageFastTx <seconds(1-3600)>	Configures the interval at which LLDP frames are transmitted on behalf of this LLDP agent during fast transmission period.	Global Configuration
lldp txFastInit <value (1-8)>	Configures the value used to initialize the txFast variable which determines the number of transmissions that are made in fast transmission mode.	Global Configuration
show lldp peers [chassis-id <string(255)> port-id <string(255)>] <interface-type> <interface-id>[[mac-address <mac_addr>] [detail]] Available options: <ul style="list-style-type: none"> • <interface-type> - displays the information about the specified type of interface: <ul style="list-style-type: none"> - gigabitethernet - a version of LAN standard architecture that supports data transfer up to 1 Gigabit per second. - extreme-ethernet – A version of Ethernet that supports data transfer up to 10 Gigabits per second. • chassis-id <string(255)> - Displays the LLDP peer information for the specified chassis identifier. 	Displays information about the peers on an interface or all interfaces.	Privileged EXEC

