54- LACP Configuration Commands

54.1 LACP Configuration Command Tree

Description

This chapter gives an overview of nodes that are handled by "LACP Configuration Commands".

Command Tree

----configure
    ----link-agg
        ----general
            - [no] priority
        ----port
            - (port)
            - [no] passive-lacp
            - [no] short-timeout
            - [no] actor-port-prio
        ----group
            - (group)
            - load-sharing-policy
            - [no] max-active-port
            - [no] swo-threshold
            - [no] priority
            - swo-revert
            - mode
            - master-iwf
            ----[no] port
                - (port)

54.2 LACP general configuration command

Command Description

This command allows the operator to configure the general LACP parameters.

User Level

The command can be accessed by operators with lacp privileges, and executed by operators with lacp privileges.

Command Syntax

The command has the following syntax:

> configure link-agg general [no priority | priority <Lacp::SysPriority>]

Command Parameters

Table 54.2-2 "LACP general configuration command" Command Parameters

Parameter	Type	Description
[no] priority	Parameter type: <Lacp::SysPriority> Format: - the lacp system priority - range: [1...65535]	*optional parameter with default value: 1* the lacp system priority

54.3 LACP port configuration command

Command Description

This command allows the operator to configure the link aggregation port parameters.

User Level

The command can be accessed by operators with lacp privileges, and executed by operators with lacp privileges.

Command Syntax

The command has the following syntax:

> configure link-agg port (port) [[no] passive-lacp] [[no] short-timeout] [no actor-port-prio | actor-port-prio <Lacp::ActorPortPriority>]

Command Parameters

Table 54.3-1 "LACP port configuration command" Resource Parameters

Resource Identifier	Type	Description
(port)	Format: <Eqpt::RackId> / <Eqpt::ShelfId> / <Eqpt::SlotId> / <Eqpt::PortId> Field type <Eqpt::RackId> - the rack number Field type <Eqpt::ShelfId> - the shelf number Field type <Eqpt::SlotId> - the LT slot number Field type <Eqpt::PortId> - the port number	interface index of the port

Table 54.3-2 "LACP port configuration command" Command Parameters

Parameter	Type	Description
[no] passive-lacp	Parameter type: boolean	*optional parameter* set lacp inactive for the actor
[no] short-timeout	Parameter type: boolean	*optional parameter* short timeout for the lacp protocol
[no] actor-port-prio	Parameter type: <Lacp::ActorPortPriority> Format: - la aggregate port priority - range: [0...65535]	*optional parameter with default value: "1"* port priority for the actor

54.4 LACP group configuration command

Command Description

This command allows the operator to configure the link aggregation group parameters.

User Level

The command can be accessed by operators with lacp privileges, and executed by operators with lacp privileges.

Command Syntax

The command has the following syntax:

> configure link-agg group (group) [load-sharing-policy <Lacp::LoadSharingPolicy>] [no max-active-port | max-active-port <Lacp::MaxActivePort>] [no swo-threshold | swo-threshold <Lacp::SwThreshold>] [no priority | priority <Lacp::AggSysPri>] [swo-revert <Lacp::SwRevert>] [mode <Lacp::Mode>] [master-iwf <Lacp::MasterIwf>]

Command Parameters

Table 54.4-1 "LACP group configuration command" Resource Parameters

Resource Identifier	Type	Description
(group)	Format: <Eqpt::RackId> / <Eqpt::ShelfId> / <Eqpt::SlotId> / <Eqpt::PortId> Field type <Eqpt::RackId> - the rack number Field type <Eqpt::ShelfId> - the shelf number Field type <Eqpt::SlotId> - the LT slot number Field type <Eqpt::PortId> - the port number	interface index of the link aggregation group

Table 54.4-2 "LACP group configuration command" Command Parameters

Parameter	Type	Description
load-sharing-policy	Parameter type: <Lacp::LoadSharingPolicy> Format: (mac-src | mac-dst | mac-src-dst | ip-src | ip-dst | ip-src-dst | l2-l3-hybrid-model) Possible values: - mac-src : source mac based - mac-dst : destination mac based	*optional parameter* link aggregation load sharing policy

Parameter	Type	Description
	- mac-src-dst : source and destination mac based - ip-src : source ip based - ip-dst : destination ip based - ip-src-dst : source and destination ip based - l2-l3-hybrid-model : l2 and l3 hybrid model based	
[no] max-active-port	Parameter type: <Lacp::MaxActivePort> Format: - max active port - range: [1...8]	*optional parameter with default value: 8* the max active port number in a LAG
[no] swo-threshold	Parameter type: <Lacp::SwThreshold> Format: - the switchover threshold in a cross-lt LAG - range: [0...8]	*optional parameter with default value: 0* the switchover threshold in a cross-lt LAG
[no] priority	Parameter type: <Lacp::AggSysPri> Format: - the lacp agg actor system priority - range: [0...65535]	*optional parameter with default value: "0"* the system priority in a LAG
swo-revert	Parameter type: <Lacp::SwRevert> Format: (disable | enable) Possible values: - disable : disable switchover revert - enable : enable switchover revert	*optional parameter* the switchover revert flag in a cross-lt LAG
mode	Parameter type: <Lacp::Mode> Format: (static | dynamic) Possible values: - static : static mode - dynamic : dynamic mode	*optional parameter* lacp mode
master-iwf	Parameter type: <Lacp::MasterIwf> Format: (auto | unset) Possible values: - auto : app select the IWF connected to the primary link of the lag - unset : dummy lag	*optional parameter* master iwf value

54.5 LACP Group Port configuration command

Command Description

This command allows the operator to add/remove link aggregation group member ports.

User Level

The command can be accessed by operators with lacp privileges, and executed by operators with lacp privileges.

Command Syntax

The command has the following syntax:

> configure link-agg group (group) (no port (port)) | (port (port))

Command Parameters

Table 54.5-1 "LACP Group Port configuration command" Resource Parameters

Resource Identifier	Type	Description
(group)	Format: <Eqpt::RackId> / <Eqpt::ShelfId> / <Eqpt::SlotId> / <Eqpt::PortId> Field type <Eqpt::RackId> - the rack number Field type <Eqpt::ShelfId> - the shelf number Field type <Eqpt::SlotId> - the LT slot number Field type <Eqpt::PortId> - the port number	interface index of the link aggregation group
(port)	Format: <Eqpt::RackId> / <Eqpt::ShelfId> / <Eqpt::SlotId> / <Eqpt::PortId> Field type <Eqpt::RackId> - the rack number Field type <Eqpt::ShelfId> - the shelf number Field type <Eqpt::SlotId> - the LT slot number Field type <Eqpt::PortId> - the port number	Interface index of the port