L2TP Command Reference

Configuration Commands

L2TP Configuration Commands

```
configure
    — router
        — l2tp
            — df-bit-lac {always|never}
            — no df-bit-lac
            — group tunnel-group-name [create]
            — no group tunnel-group-name
                    — df-bit-lac {always|never|default}
                    — no df-bit-lac
                            — tunnel tunnel-name [create]
                            — no tunnel tunnel-name
                                    — df-bit-lac {always|never|default}
                                    — no df-bit-lac
            — tunnel-selection-blacklist
                    — add-tunnel never
                    — add-tunnel on reason>[reason...(upto 8 max)]
                    — no add-tunnel
                    — max-list-length
                    — max-list-length count
                    — no max-list-length
                    — max-time minutes
                    — no max-time
                    — no timeout-action
                    — timeout-action action
```

```
configure
    — system
        — l2tp
            — non-multi-chassis-tunnel-id-range start l2tp-tunnel-id end l2tp-tunnel-id
            — non-multi-chassis-tunnel-id-range default
            — no non-multi-chassis-tunnel-id-range
            — l2tp-tunnel-id-range start l2tp-tunnel-id end l2tp-tunnel-id
```

— **no l2tp-tunnel-id-range**

configure
— **redundancy**
— **multi-chassis**
— **peer**
— **sync**
— **track-srrp-instances**
— [**no**] **track-srrp** [1..4294967295]
— **l2tp-tunnel-id-range start** *l2tp-tunnel-id* **end** *l2tp-tunnel-id*
— **no l2tp-tunnel-id-range**

configure
— **router**
— **l2tp**
— **failover**
— **recovery-method** *method*
— **no recovery-method**
— **recovery-time** *seconds*
— **no recovery-time**
— **track-srrp** *srrp-instance* **peer** *ip-address* **sync-tag** *tag*
— [**no**] **track-srrp** *srrp-instance*
— **group** *tunnel-group-name* [**create**]
— **no group** *tunnel-group-name*
— **failover**
— **recovery-method** *method*
— **no recovery-method**
— **recovery-time** *seconds*
— **no recovery-time**
— **tunnel** *tunnel-name* [**create**]
— **no tunnel** *tunnel-name*
— **failover**
— **recovery-method** *method*
— **no recovery-method**
— **recovery-time** *seconds*
— **no recovery-time**

configure
— **service**
— **vprn**
— **l2tp**
— **failover**
— **recovery-method** *method*
— **no recovery-method**
— **recovery-time** *seconds*
— **no recovery-time**
— **track-srrp** *srrp-instance* **peer** *ip-address* **sync-tag** *tag*
— [**no**] **track-srrp** *srrp-instance*

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L2TP Tunnel RADIUS Accounting Commands

```
configure
    — aaa
        — l2tp-tunnel-accounting-policy policy-name [create]
        — no l2tp-tunnel-accounting-policy policy-name
            — accounting-type [session] [tunnel]
            — no accounting-type
            — description description-string
            — no description
            — include-radius-attribute
                — [no] nas-identifier
                — nas-port binary-spec
                — no nas-port
                — nas-port-id
                — nas-port-id [prefix-string string ] [suffix suffix-option]
                — no nas-port-id
                — nas-port-type [[0..255]]
                — no nas-port-type
            — radius-accounting-server
                — access-algorithm {direct | round-robin}
                — no access-algorithm
                — retry count
                — no retry
                — router service-name service-name
                — router router-instance
                — no router
                — server server-index address , ip-address,  secret , key ,  [hash|hash2]
                  [port , port, ]
                — no server server-index
                — source-address-range ip-address
                — no source-address-range
                — timeout  [sec , seconds, ] [min , minutes, ]
                — no timeout
        — request-script-policy radius-script-policy-name
        — no request-script-policy
```

Show Commands

show
— **subscriber-mgmt**
— **ppp-policy** [*ppp-policy-name* [**association**]]
— **service**
— **id** *service-id*
— **pppoe**
— **session** [**interface** *ip-int-name*|*ip-address* | **sap** *sap-id*] [**type** *pppoe-ses-sion-type*] [**session-id** *session-id*] [**mac** *ieee-address*] [**ip-address** *ip-address*[/*mask*]] [**port** *port-id*] [**no-inter-dest-id** | **inter-dest-id** *intermedi-ate-destination-id*] [**detail**|**statistics**]
— **session** *l2tp-connection-id connection-id* [**detail**|**statistics**]
— **statistics** [{**sap** *sap-id* | **interface** *ip-int-name* | *ip-address*}
— **summary**
— **system**
— **l2tp**
— **redundancy**
— **multi-chassis**
— **sync** [**peer** *ip-address*] [**statistics**]
— **sync peer** *ip-address* **detail**

Clear Commands

clear
— **service**
— **id** *service-id*
— **pppoe**
— **session all** [**no-padt**]
— **session** {**interface** *ip-int-name* | *ip-address* | **sap** *sap-id*} [**mac** *ieee-address*] [**session-id** *session-id*] [**ip-address** *ip-address*[/*mask*]] [**port** *port-id*] [**no-inter-dest-id** | **inter-dest-id** *intermediate-destination-id*] [**no-padt**]
— **statistics** [{**sap** *sap-id* | **interface** *ip-int-name* | *ip-address*}]

Debug Commands

debug
— **service**
— **id** *service-id*
— [**no**] **ppp**
— [**no**] **event**
— **dhcp-client** [**terminate-only**]
— **no dhcp-client**
— **ppp** [**terminate-only**]
— **no ppp**
— [**no**] **mac** *ieee-address*
— [**no**] **packet**
— **detail-level** {**low** | **medium** | **high**}
— **no detail-level**
— [**no**] **dhcp-client**
— **discovery** [**padi**] [**pado**] [**padr**] [**pads**] [**padt**]
— **no discovery**

— **mode** {**dropped-only** | **ingr-and-dropped** |**egr-ingr-and-dropped**}
— **no mode**
— **ppp** [**lcp**] [**pap**] [**chap**] [**ipcp**]
— **no ppp**
— [**no**] **sap** *sap-id*
— **route**r [*router-instance*]
— [**no**] **l2tp**
— **assignment-id** *assignment-id*
— [**no**] **event**
— [**no**] **recovery**
— [**no**] **recovery-failed**
— [**no**] **event**
— [**no**] **recovery**
— [**no**] **recovery-failed**
— **group** *tunnel-group-name*
— [**no**] **event**
— [**no**] **recovery**
— [**no**] **recovery-failed**
— **peer** *ip-address* [**udp-port** *port*]
— [**no**] **event**
— [**no**] **recovery**
— [**no**] **recovery-failed**
— **tunnel** *connection-id*
— [**no**] **event**
— [**no**] **recovery**
— [**no**] **recovery-failed**

Tools Commands

tools
— **perform**
— **subscriber-mgmt**
— **edit-ppp-session** **sap** *sap-id* **ip** *ip-address* [**subscriber** *sub-ident-string*] [**sub-profile-string** *sub-profile-string*] [**sla-profile-string** *sla-profile-string*] [**inter-dest-id** *intermediate-destination-id*] [**ancp-string** *ancp-string*] [**app-profile-string** *app-profile-string*][user-name *user-name*]
— **edit-ppp-session** **svc-id** *service-id* **ip** *ip-address* [**subscriber** *sub-ident-string*] [**sub-profile-string** *sub-profile-string*] [**sla-profile-string** *sla-profile-string*] [**inter-dest-id** *intermediate-destination-id*] [**ancp-string** *ancp-string*] [**app-profile-string** *app-profile-string*][user-name *user-name*]
— **eval-lease-state** [**svc-id** *service-id*] [**sap** *sap-id*] [**subscriber** *sub-ident-string*] [**ip** *ip-address*]
— **local-user-db** *local-user-db-name*
—**dhcp**
— **host-lookup** [**mac** *ieee-address*] [**remote-id** *remote-id*] [**sap-id** *sap-id*] [**service-id** *service-id*] [**string** *vso-string*] [**system-id** *system-id*] [**option60** *hex-string*] [**circuit-id** *circuit-id* | **circuit-id-hex** *circuit-id-hex*]
— **ppp**
— **authentication** **password** *password* [**mac** *ieee-address*] [**remote-id** *remote-id*] [**circuit-id** *circuit-id*] **user-name** *user-name* [**service-name** *service-name*]
— **authentication** **password** *password* [**mac** *ieee-address*] [**remote-id** *remote-id*] [**circuit-id-hex** *circuit-id-hex*] **user-name** *user-name* [**service-name** *service-name*]
— **host-lookup** [**mac** *ieee-address*] [**remote-id** *remote-id*] [**user-name** *user-name*] [**service-name** *service-name*] [**circuit-id** *circuit-id* | **circuit-id-hex** *circuit-id-hex*]