



U Commands

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udf

```
udf <udf_name> { packet-start | { header { outer | inner } { 13 | 14 } } } <offset> <length> | no udf <udf_name>
[ { packet-start | { header { outer | inner } { 13 | 14 } } } <offset> <length> ]
```

Syntax Description

no	Negate the command
udf	Define the User Defined Field (UDF)
<i>udf_name</i>	Name of the UDF to configure
packet-start	Offset base from packet-start
header	Offset base configuration
outer	Offset base: from outer header
inner	Offset base: from inner header
13	Offset base: from 13 header
14	Offset base: from 14 header
<i>offset</i>	Enter Offset in bytes for UDF (from offset base)
<i>length</i>	Enter Length in bytes for UDF (from offset)

Command Mode

- /exec/configure

udld aggressive

[no] udld aggressive

Syntax Description

no	Negate a command or set its defaults
udld	UDLD protocol
aggressive	Enable UDLD aggressive mode on all fiber optic ports

Command Mode

- /exec/configure

udld aggressive

udld aggressive

Syntax Description

udld	UDLD protocol
aggressive	Enable UDLD aggressive mode on all fiber optic ports

Command Mode

- /exec/configure

udld aggressive

udld aggressive

Syntax Description

udld	UDLD protocol
aggressive	Enable UDLD aggressive mode for interface(s)

Command Mode

- /exec/configure/if-ethernet-all /exec/configure/if-eth-base

udld aggressive

[no] udld aggressive

Syntax Description

no	Negate a command or set its defaults
udld	UDLD protocol
aggressive	Enable UDLD aggressive mode for interface(s)

Command Mode

- /exec/configure/if-ethernet-all /exec/configure/if-eth-base

udld continue-on-err

[no] udld continue-on-err

Syntax Description

no	(Optional) Negate a command or set its defaults
udld	UDLD protocol
continue-on-err	Force UDLD continue without disabling the port

Command Mode

- /exec

udld disable

[no] udld disable

Syntax Description

no	Negate a command or set its defaults
udld	UDLD protocol
disable	Disable UDLD for fiber interface(s)

Command Mode

- /exec/configure/if-ethernet-all /exec/configure/if-eth-base

udld disable

udld disable

Syntax Description

udld	UDLD protocol
disable	Disable UDLD for fiber interface(s)

Command Mode

- /exec/configure/if-ethernet-all /exec/configure/if-eth-base

udld enable

[no] udld enable

Syntax Description

no	Negate a command or set its defaults
udld	UDLD protocol
enable	Enable UDLD for non-fiber interface(s)

Command Mode

- /exec/configure/if-ethernet-all /exec/configure/if-eth-base

udld enable

udld enable

Syntax Description

udld	UDLD protocol
enable	Enable UDLD for non-fiber interface(s)

Command Mode

- /exec/configure/if-ethernet-all /exec/configure/if-eth-base

udld message-time

udld message-time <i0> | no udld message-time

Syntax Description

no	Negate a command or set its defaults
udld	UDLD protocol
message-time	Setting the time in seconds between UDLD probe messages
<i>i0</i>	Enter the message timer value [default = 15]

Command Mode

- /exec/configure

udld reset

udld reset

Syntax Description

udld	UDLD protocol
reset	Reset all ports shut down by UDLD

Command Mode

- /exec/configure

udp-echo

```
[no] udp-echo { <hostname> | <ip-address> } <port> { [ control { disable | enable } ] [ source-ip { <source-ip-hostname> | <source-ip-address> } ] [ source-port <source-port-number> ] } +
```

Syntax Description

no	(Optional)
<i>control</i>	(Optional) enable
<i>source-ip-address</i>	(Optional) <source-port-number>
udp-echo	UDP Echo Operation
<i>hostname</i>	Destination hostname, broadcast disallowed
<i>ip-address</i>	Destination IP address, broadcast disallowed
<i>port</i>	Port Number (Recommended port range between 1025-65534)
enable	(Optional) Enable control packets exchange (default)
disable	(Optional) Disable control packets exchange
source-ip	(Optional) Source address
<i>source-ip-hostname</i>	(Optional) source IP hostname, broadcast disallowed
source-port	(Optional) Source Port
<i>source-port-number</i>	(Optional) Port Number (Recommended port range between 1025-65534)

Command Mode

- /exec/configure/ip-sla

udp-jitter

```
[no] udp-jitter { <hostname> | <ip-address> } <dest-port> { { [ codec { g711alaw | g711ulaw | g729a } { [ advantage-factor <advantage-num> ] [ codec-interval <codec-int> ] [ codec-numpackets <codec-numpack> ] [ codec-size <codec-bytes> ] } } + } [ control { disable | enable } ] [ source-ip { <source-ip-hostname> | <source-ip-address> } ] [ source-port <src-port> ] } + | { [ interval <packet-interval> ] [ num-packets <num-packets> ] [ control { disable | enable } ] [ source-ip { <source-ip-hostname> | <source-ip-address> } ] [ source-port <src-port> ] } + }
```

Syntax Description

no	(Optional)
<i>codec</i>	(Optional) g711alaw
<i>codec-numpackets</i>	(Optional) codec-size
<i>source-port</i>	(Optional) interval
<i>codec-numpack</i>	(Optional) <codec-bytes>
<i>source-ip-hostname</i>	(Optional) <source-ip-address>
udp-jitter	UDP Jitter Operation
<i>hostname</i>	Destination hostname, broadcast disallowed
<i>ip-address</i>	Destination IP address, broadcast disallowed
<i>dest-port</i>	Port Number (Recommended port range between 1025-65534)
g711alaw	(Optional) G.711 A Law 64000 bps
g711ulaw	(Optional) G.711 U Law 64000 bps
g729a	(Optional) G.729 8000 bps
advantage-factor	(Optional) Advantage Factor
codec-interval	(Optional) Inter Packet Interval
codec-size	(Optional) Number of bytes in payload
<i>advantage-num</i>	(Optional) Advantage Factor
<i>codec-int</i>	(Optional) Delay
<i>codec-bytes</i>	(Optional) Number of bytes in payload
<i>packet-interval</i>	(Optional) Delay (default 20)
<i>num-packets</i>	(Optional) Number of Packets (default 10)
interval	(Optional) Inter Packet Interval

num-packets	(Optional) Number of Packets to be transmitted
control	(Optional) Enable or disable control packets
enable	(Optional) Enable control packets exchange (default)
disable	(Optional) Disable control packets exchange
source-ip	(Optional) Source address
<i>source-ip-hostname</i>	(Optional) source IP hostname, broadcast disallowed
<i>source-ip-address</i>	(Optional) source IP address, broadcast disallowed
source-port	(Optional) Source Port
<i>src-port</i>	(Optional) Port Number (Recommended port range between 1025-65534)

Command Mode

- /exec/configure/ip-sla

undebug all

undebug all

Syntax Description

undebug	Disable Debugging functions (See also debug)
all	Disable all debugging

Command Mode

- /exec

undebug l2rib

undebug l2rib

Syntax Description

undebug	Disable Debugging functions (See also debug)
l2rib	L2RIB debug commands

Command Mode

- /exec

uniq

| uniq [-c | -d | -f <nb-of-fields> | -s <nb-of-chars> | -u | -w <nb-chars-to-compare> | -i] +

Syntax Description

	Pipe command output to filter
uniq	Discard all but one of successive identical lines
-c	(Optional) prefix lines by the number of occurrences
-d	(Optional) only print duplicate lines
-f	(Optional) avoid comparing the first N fields
-s	(Optional) avoid comparing the first N characters
-u	(Optional) only print unique lines
-w	(Optional) compare no more than N characters in lines
-i	(Optional) ignore differences in case when comparing
<i>nb-of-fields</i>	(Optional) number of initial fields to ignore
<i>nb-of-chars</i>	(Optional) number of initial chars to ignore
<i>nb-chars-to-compare</i>	(Optional) max number of chars to compare

Command Mode

- /output

unmount slot0

unmount slot0:

Syntax Description

unmount	unmount expansion flash or USB storage
slot0:	Unmount expansion flash

Command Mode

- /exec

unsuppress-map

unsuppress-map <unsupp-rmap-name> | { no | default } unsuppress-map [<unsupp-rmap-name>]

Syntax Description

no	Negate a command or set its defaults
default	Inherit values from a peer template
unsuppress-map	Route-map to selectively unsuppress suppressed routes
<i>unsupp-rmap-name</i>	Route-map name

Command Mode

- /exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af
- /exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af-vpnv4
- /exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af-vpnv6
- /exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af-ipv4-label
- /exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af-ipv6-label

untagged cos

untagged cos <ucos-value> | no untagged cos

Syntax Description

no	Negate a command or set its defaults
untagged	default to use for untagged packets on interface
cos	IEEE 802.1Q class of service for QoS classification
<i>ucos-value</i>	COS value

Command Mode

- /exec/configure/if-set-qos

update-rib-always

[no] update-rib-always

Syntax Description

no	(Optional) Negate a command or set its defaults
update-rib-always	Force updates to rib

Command Mode

- /exec/configure/otv-isis

update-source

update-source <interface> | { no | default } update-source [<interface>]

Syntax Description

no	Negate a command or set its defaults
default	Inherit values from a peer template
update-source	Specify source of BGP session and updates
<i>interface</i>	Interface name

Command Mode

- /exec/configure/router-bgp/router-bgp-neighbor-sess

update-source

update-source <interface> | no update-source

Syntax Description

no	Negate a command or set its defaults
update-source	Specify source of BMP session and messages
<i>interface</i>	Interface name

Command Mode

- /exec/configure/router-bgp/router-bgp-bmp-server

update adjacency

update adjacency <all>

Syntax Description

update	Update
adjacency	Display adjacency table
all	Update all adjcencies

Command Mode

- /exec

update ip route

```
update ip { route | rnh } [ vrf { <vrf-name> | <vrf-known-name> | <vrf-all> } ] <all>
```

Syntax Description

update	Update
ip	IPv4
route	Update routing information
rnh	Update only RNH information
vrf	(Optional) VRF
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
vrf-all	(Optional) Display information for all VRFs
all	Update all routes

Command Mode

- /exec

update ipv6 route

```
update ipv6 route [ vrf { <vrf-name> | <vrf-known-name> | <vrf-all> } ] <all>
```

Syntax Description

update	Update
ipv6	IPv6
route	Update routing information
vrf	(Optional) VRF
<i>vrf-name</i>	(Optional) VRF name
<i>vrf-known-name</i>	(Optional) Known VRF name
vrf-all	(Optional) Display information for all VRFs
all	Update all routes

Command Mode

- /exec

update license

```
update license <uri0> { <license-file> [ force ] | <s0> }
```

Syntax Description

update	Update license
license	Update a license file
<i>uri0</i>	Specify URL for the new license file
<i>license-file</i>	License file to be updated
force	(Optional) Force update license (don't prompt)
<i>s0</i>	License file to be updated

Command Mode

- /exec

urib debugs-dump-to-file

urib debugs-dump-to-file

Syntax Description

urib	Unicast Routing Information Base
debugs-dump-to-file	Dump all urib debugs to a file

Command Mode

- /exec

use-compression gzip

use-compression { gzip } | no use-compression

Syntax Description

no	Negate a command or set its defaults
use-compression	Specify the destination compression method
gzip	GZIP compression algorithm

Command Mode

- /exec/configure/telemetry/destination-profile

use-vrf

[no] use-vrf { <vrf-name> | <vrf-known-name> }

Syntax Description

no	(Optional) Negate a command or set its defaults
use-vrf	Display per-VRF information
<i>vrf-name</i>	VRF name
<i>vrf-known-name</i>	Known VRF name

Command Mode

- /exec/configure/ldap

use-vrf

[no] use-vrf { management | default | <vrf_name> }

Syntax Description

no	(Optional) Negate a command or set its defaults
use-vrf	vrf to be used to contact servers in this group
management	management vrf
default	default vrf
<i>vrf_name</i>	name of the vrf

Command Mode

- /exec/configure/radius

use-vrf

use-vrf { default | <vrf-cfg-name> } | no use-vrf

Syntax Description

no	Negate a command or set its defaults
use-vrf	Specify the destination vrf
default	Known VRF name
<i>vrf-cfg-name</i>	Configurable VRF name

Command Mode

- /exec/configure/telemetry/destination-profile

use-vrf

[no] use-vrf { management | default | <vrf_name> }

Syntax Description

no	(Optional) Negate a command or set its defaults
use-vrf	vrf to be used to contact servers in this group
management	management vrf
default	default vrf
<i>vrf_name</i>	name of the vrf

Command Mode

- /exec/configure/tacacs+

user-jid password

[no] user-jid <jid> password [0 <clear> | 7 <encrypted> | <password>]

Syntax Description

no	(Optional) Negate a command or set its defaults
user-jid	User Jabber ID
<i>jid</i>	Enter user Jabber ID
password	Password
0	(Optional) Password that follows should be in clear text
<i>clear</i>	(Optional) Password in clear text
7	(Optional) Password that follows should be in encrypted text
<i>encrypted</i>	(Optional) Encrypted password
<i>password</i>	(Optional) Enter password in clear text

Command Mode

- /exec/configure/fabric-db/server-xmpp

user max-logins

user max-logins <limit>

Syntax Description

user	Configure system-wide user settings
max-logins	maximum simultaneous logins
<i>limit</i>	login session maximum

Command Mode

- /exec/configure

user max-logins

[no] user max-logins [<limit>]

Syntax Description

no	Negate a command or set its defaults
user	Configure system-wide user settings
max-logins	maximum simultaneous logins
<i>limit</i>	(Optional) login session maximum

Command Mode

- /exec/configure

username

```
{ username <s0> { shelltype { vsh | bash } } }
```

Syntax Description

username	Configure user information.
<i>s0</i>	user name
shelltype	Choose shell type for login
vsh	use vsh shell
bash	use bash shell

Command Mode

- /exec/configure

username

```
{ username <s0> [ password { 0 <s2> | 5 <s3> | <s4> } ] [ expire <s5> [ past ] ] [ priv-lvl <p> ] } | { username
<s0> [ password { 0 <s2> | 5 <s3> | <s4> } ] [ priv-lvl <p> ] [ expire <s5> [ past ] ] } | { username <s0> [
expire <s5> [ past ] ] [ password { 0 <s2> | 5 <s3> | <s4> } ] [ priv-lvl <p> ] } | { username <s0> [ expire
<s5> [ past ] ] [ priv-lvl <p> ] [ password { 0 <s2> | 5 <s3> | <s4> } ] } | { username <s0> [ priv-lvl <p> ] [
password { 0 <s2> | 5 <s3> | <s4> } ] [ expire <s5> [ past ] ] } | { username <s0> [ priv-lvl <p> ] [ expire
<s5> [ past ] ] [ password { 0 <s2> | 5 <s3> | <s4> } ] } | { no username <s7> [ priv-lvl <p> ] }
```

Syntax Description

no	Negate a command or set its defaults
username	Configure user information.
<i>s0</i>	user name
password	(Optional) Password for the user
0	(Optional) Indicates that the password that follows should be in clear text
<i>s2</i>	(Optional) Password for the user (clear text)
5	(Optional) Indicates that the password that follows should be encrypted
<i>s3</i>	(Optional) strongly encrypted password
<i>s4</i>	(Optional) Password for the user (clear text)
expire	(Optional) Expiry date for this user account(in YYYY-MM-DD format)
<i>s5</i>	(Optional) Expiry in YYYY-MM-DD format
past	(Optional) Expiry date is in past
<i>s7</i>	user name
priv-lvl	(Optional) privilege level which the user is to be assigned to
<i>p</i>	(Optional) privilege level

Command Mode

- /exec/configure

username

```
{ [ no ] username <name> }
```

Syntax Description

username	user name
<i>name</i>	user name

Command Mode

- /exec/configure/dot1x-cred

username

```
{ username <s0> [ password { 0 <s2> | 5 <s3> | <s4> } ] [ expire <s5> [ past ] ] [ role <s6> ] } | { username
<s0> [ password { 0 <s2> | 5 <s3> | <s4> } ] [ role <s6> ] [ expire <s5> [ past ] ] } | { username <s0> [ expire
<s5> [ past ] ] [ password { 0 <s2> | 5 <s3> | <s4> } ] [ role <s6> ] } | { username <s0> [ expire <s5> [ past
] ] [ role <s6> ] [ password { 0 <s2> | 5 <s3> | <s4> } ] } | { username <s0> [ role <s6> ] [ password { 0 <s2>
| 5 <s3> | <s4> } ] [ expire <s5> [ past ] ] } | { username <s0> [ role <s6> ] [ expire <s5> [ past ] ] [ password
{ 0 <s2> | 5 <s3> | <s4> } ] } | { no username <s7> [ role <s8> ] }
```

Syntax Description

no	Negate a command or set its defaults
username	Configure user information.
<i>s0</i>	user name
password	(Optional) Password for the user
0	(Optional) Indicates that the password that follows should be in clear text
<i>s2</i>	(Optional) Password for the user (clear text)
5	(Optional) Indicates that the password that follows should be encrypted
<i>s3</i>	(Optional) strongly encrypted password
<i>s4</i>	(Optional) Password for the user (clear text)
expire	(Optional) Expiry date for this user account(in YYYY-MM-DD format)
<i>s5</i>	(Optional) Expiry in YYYY-MM-DD format
past	(Optional) Expiry date is in past
role	(Optional) role which the user is to be assigned to
<i>s6</i>	(Optional) role name
<i>s7</i>	user name
<i>s8</i>	(Optional) role name

Command Mode

- /exec/configure

username

```
[no] username <s0> { sshkey2 { file <uri0> | <line> } }
```

Syntax Description

<code>no</code>	(Optional) Negate a command or set its defaults
<code>username</code>	Configure user information.
<code>s0</code>	user name
<code>sshkey2</code>	Update ssh key for the user for ssh authentication
<code>file</code>	ssh key file
<code>uri0</code>	file containing host public key for the user
<code>line</code>	ssh key for the user

Command Mode

- /exec/configure

username keypair export dsa

```
{ username <s0> keypair export <s1> { dsa | rsa } [ force ] }
```

Syntax Description

username	Configure user information.
keypair	Use existing ssh keypair
export	Export keypair to Bootflash/Remote directory
force	(Optional) Force the export of keys even if the destination files are present
dsa	Use DSA Keys
rsa	Use RSA Keys
<i>s0</i>	user name
<i>s1</i>	Enter filename to export to

Command Mode

- /exec/configure

username keypair generate dsa

```
{ username <s0> keypair generate { dsa [ force ] | rsa [ <i0> | <oldrange> ] [ force ] } | no username <s0>
keypair generate [ { dsa [ force ] | rsa [ <i0> | <oldrange> ] [ force ] } ] }
```

Syntax Description

no	Negate a command or set its defaults
username	Configure user information.
<i>s0</i>	user name
generate	Generate ssh key pairs
keypair	Generate SSH User Keys
dsa	Generate DSA keys
force	(Optional) Force the generation of keys even if previous ones are present
rsa	Generate RSA keys
<i>i0</i>	(Optional) Enter number of bits (in multiples of 8)
<i>oldrange</i>	(Optional) Enter number of bits

Command Mode

- /exec/configure

username keypair import dsa

```
{ username <s0> keypair import <s1> { dsa | rsa } [ force ] }
```

Syntax Description

username	Configure user information.
keypair	Use existing ssh keypair
import	Import keypair from Bootflash/Remote directory
force	(Optional) Force the generation of keys even if previous ones are present
dsa	Use DSA Keys
rsa	Use RSA Keys
<i>s0</i>	user name
<i>s1</i>	Enter filename to import

Command Mode

- /exec/configure

username password

[no] username <user> password { 0 <pass1> | 5 <pass2> | <pass3> }

Syntax Description

no	(Optional) Negate a command or set its defaults
username	Configure user name
<i>user</i>	Username
password	Password for user
0	Indicates that the password that follows should be in clear text
<i>pass1</i>	Password for the user (clear text)
5	Indicates that the password that follows should be encrypted
<i>pass2</i>	strongly encrypted password
<i>pass3</i>	Password for the user (clear text)

Command Mode

- /exec/configure/vmt-conn

username ssh-cert-dn dsa

[no] username <s1> ssh-cert-dn <s2> { dsa | rsa }

Syntax Description

no	(Optional) Negate a command or set its defaults
username	Configure user information.
<i>s1</i>	user name
ssh-cert-dn	Update cert dn
<i>s2</i>	distinguished name to be used
dsa	Use dsa algorithm
rsa	Use rsa algorithm

Command Mode

- /exec/configure

userpassphrase

[no] userpassphrase { min-length | max-length | length }

Syntax Description

no	Negate a command or set its defaults
userpassphrase	user passphrase
min-length	passphrase minimum length
max-length	passphrase maximum length
length	passphrase min and max length

Command Mode

- /exec/configure

userpassphrase min

userpassphrase { min-length <min-len> | max-length <max-len> } +

Syntax Description

userpassphrase	user passphrase
min-length	passphrase minimum length
max-length	passphrase maximum length
<i>min-len</i>	minimum length of passphrase
<i>max-len</i>	maximum length of passphrase

Command Mode

- /exec/configure

userpassphrase min

[no] userpassphrase { min-length <min-len> | max-length <max-len> } +

Syntax Description

no	Negate a command or set its defaults
userpassphrase	user passphrase
min-length	passphrase minimum length
max-length	passphrase maximum length
<i>min-len</i>	minimum length of passphrase
<i>max-len</i>	maximum length of passphrase

Command Mode

- /exec/configure

userprofile trustedCert CRLLookup user-switch-bind user-certdn-match user-pubkey-match attribute-name search-filter base-DN

```
{ userprofile | trustedCert | CRLLookup | user-switch-bind | user-certdn-match | user-pubkey-match }  
attribute-name <s0> search-filter <s1> base-DN <s2>
```

Syntax Description

userprofile	Set the userprofile
trustedCert	Set the trustedCert
CRLLookup	Set the CRLLookup
user-switch-bind	Set the user-switch-bind
user-certdn-match	Set the certificate matching
user-pubkey-match	Set the pubkey matching
attribute-name	LDAP attribute-name
<i>s0</i>	Search Map attribute-name
search-filter	LDAP search-filter
<i>s1</i>	Search Map search-filter
base-DN	LDAP base-DN
<i>s2</i>	Search Map base-DN Name

Command Mode

- /exec/configure/ldap/search

