U Commands

udf

udf <udf_name> { packet-start | { header { outer | inner } { l3 | l4 } } } <offset> <length> | no udf <udf_name> [{ packet-start | { header { outer | inner } { l3 | l4 } } } <offset> <length>]

Syntax Description

no	Negate the command
udf	Define the User Defined Field (UDF)
udf_name	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
l3	Offset base: from l3 header
l4	Offset base: from l4 header
offset	Enter Offset in bytes for UDF (from offset base)
length	Enter Length in bytes for UDF (from offset)

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

[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 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

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 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 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 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 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
i0	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)
control	(Optional) enable
source-ip-address	(Optional) <source-port-number>
udp-echo	UDP Echo Operation
hostname	Destination hostname, broadcast disallowed
ip-address	Destination IP address, broadcast disallowed
port	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
source-ip-hostname	(Optional) source IP hostname, broadcast disallowed
source-port	(Optional) Source Port
source-port-number	(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)
codec	(Optional) g711alaw
codec-numpackets	(Optional) codec-size
source-port	(Optional) interval
codec-numpack	(Optional) <codec-bytes>
source-ip-hostname	(Optional) <source-ip-address>
udp-jitter	UDP Jitter Operation
hostname	Destination hostname, broadcast disallowed
ip-address	Destination IP address, broadcast disallowed
dest-port	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
advantage-num	(Optional) Advantage Factor
codec-int	(Optional) Delay
codec-bytes	(Optional) Number of bytes in payload
packet-interval	(Optional) Delay (default 20)
num-packets	(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
source-ip-hostname	(Optional) source IP hostname, broadcast disallowed
source-ip-address	(Optional) source IP address, broadcast disallowed
source-port	(Optional) Source Port
src-port	(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
nb-of-fields	(Optional) number of initial fields to ignore
nb-of-chars	(Optional) number of initial chars to ignore
nb-chars-to-compare	(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
unsupp-rmap-name	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-af-ipv6-label /exec/configure/router-bgp/router-bgp-af-ipv4-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
ucos-value	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
interface	Interface name

Command Mode

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

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
vrf-name	(Optional) VRF name
vrf-known-name	(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
vrf-name	(Optional) VRF name
vrf-known-name	(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
uri0	Specify URL for the new license file
license-file	License file to be updated
force	(Optional) Force update license (don't prompt)
s0	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-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
vrf_name	name of the vrf

Command Mode

- /exec/configure/tacacs+

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
vrf-name	VRF name
vrf-known-name	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
vrf_name	name of the vrf

Command Mode

- /exec/configure/radius

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
jid	Enter user Jabber ID
password	Password
0	(Optional) Password that follows should be in clear text
clear	(Optional) Password in clear text
7	(Optional) Password that follows should be in encrypted text
encrypted	(Optional) Encrypted password
password	(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
limit	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
limit	(Optional) login session maximum

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.
s0	user name
password	(Optional) Password for the user
0	(Optional) Indicates that the password that follows should be in clear text
s2	(Optional) Password for the user (clear text)
5	(Optional) Indicates that the password that follows should be encrypted
s3	(Optional) strongly encrypted password
s4	(Optional) Password for the user (clear text)
expire	(Optional) Expiry date for this user account(in YYYY-MM-DD format)
s5	(Optional) Expiry in YYYY-MM-DD format
past	(Optional) Expiry date is in past
s7	user name
priv-lvl	(Optional) privilege level which the user is to be assigned to
p	(Optional) privilege level

Command Mode

- /exec/configure

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.
s0	user name
password	(Optional) Password for the user
0	(Optional) Indicates that the password that follows should be in clear text
s2	(Optional) Password for the user (clear text)
5	(Optional) Indicates that the password that follows should be encrypted
s3	(Optional) strongly encrypted password
s4	(Optional) Password for the user (clear text)
expire	(Optional) Expiry date for this user account(in YYYY-MM-DD format)
s5	(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
s6	(Optional) role name
s7	user name
s8	(Optional) role name

Command Mode

- /exec/configure

username

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

Syntax Description

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

Command Mode

- /exec/configure

username

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

Syntax Description

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

Command Mode

- /exec/configure

username

{ [no] username <name> }

Syntax Description

username	user name
name	user name

Command Mode

- /exec/configure/dot1x-cred

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
s0	user name
s1	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.
s0	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
i0	(Optional) Enter number of bits (in multiples of 8)
oldrange	(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
s0	user name
s1	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
user	Username
password	Password for user
0	Indicates that the password that follows should be in clear text
pass1	Password for the user (clear text)
5	Indicates that the password that follows should be encrypted
pass2	strongly encrypted password
pass3	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.
s1	user name
ssh-cert-dn	Update cert dn
s2	distinguished name to be used
dsa	Use dsa algorithm
rsa	Use rsa algorithm

Command Mode

- /exec/configure

username sshkey

{ username <s0> sshkey { file <uri0> | <line> } | no username <s0> sshkey }

Syntax Description

username	Configure user information.
s0	user name
sshkey	Update ssh key for the user for ssh authentication
file	ssh key file
uri0	file containing host public key for the user
line	ssh key for the user
no	Negate a command or set its defaults

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
min-len	minimum length of passphrase
max-len	maximum length of passphrase

Command Mode

- /exec/configure

U Commands

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 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
s0	Search Map attribute-name
search-filter	LDAP search-filter
s1	Search Map search-filter
base-DN	LDAP base-DN
s2	Search Map base-DN Name

Command Mode

- /exec/configure/ldap/search