



## G Commands

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# generate type7\_encrypted\_secret

generate type7\_encrypted\_secret

## Syntax Description

generate	generate
type7_encrypted_secret	Type 7 Encrypted Secret

## Command Mode

- /exec

# geneve enable

[no] geneve enable

## Syntax Description

geneve	Configure geneve-bit on the hardware
enable	Enable geneve-bit on the hardware

## Command Mode

- /exec/configure

# geneve enable

[no] geneve enable

## Syntax Description

geneve	Configure geneve-bit on the hardware
enable	Enable geneve-bit on the hardware

## Command Mode

- /exec/configure/analytics

# global-block

```
{ { global-block <min-srgb-label> <max-srgb-label> } | { no global-block } }
```

## Syntax Description

no	Negate a command or set its defaults
global-block	Specify global block range for Segment Routing bindings
<i>min-srgb-label</i>	Minimum label value
<i>max-srgb-label</i>	Maximum label value

## Command Mode

- /exec/configure/config-sr-mpls

# global ingress-replication protocol bgp

[no] global ingress-replication protocol bgp

## Syntax Description

no	(Optional) Negate a command or set its defaults
global	Global configurations for nve, inherited by VNIs
ingress-replication	Configure ingress replication
protocol	Control protocol to use
bgp	Border Gateway Protocol

## Command Mode

- /exec/configure/if-nve

## global mcast-group L2

global mcast-group { <maddr> } { L2 | L3 } | no global mcast-group { L2 | L3 }

### Syntax Description

no	Negate a command or set its defaults
global	Global configurations for nve, inherited by VNIs
mcast-group	NVE Multicast Group
L2	Global mcast-group <arg> for L2 VNIs
L3	Global mcast-group <arg> for L3 VNIs
<i>maddr</i>	Multicast IP Prefix

### Command Mode

- /exec/configure/if-nve



# global suppress-arp

[no] global suppress-arp

## Syntax Description

no	(Optional) Negate a command or set its defaults
global	Global configurations for nve, inherited by VNIs
suppress-arp	Enable ARP suppression

## Command Mode

- /exec/configure/if-nve

# gnss-receiver sync

gnss-receiver sync <clk-interface>

## Syntax Description

gnss-receiver	GNSS Receiver configuration mode
sync	For Synchronization interfaces only
<i>clk-interface</i>	Enter gnss interface: <slot-num>/<port-num>

## Command Mode

- /exec/configure /exec/configure

## gps-input tod-format pps-input

```
[no] gps-input tod-format <tod-format-enum> pps-input <pps-input> [ offset <offset> ] [ baud-rate <baudrate> ]
```

### Syntax Description

no	(Optional) Negate a command or set its defaults
gps-input	GPS Port input mode
tod-format	Configure Time-of-day input format
<i>tod-format-enum</i>	tod-format
pps-input	Configure 1PPS input mode
<i>pps-input</i>	logging input
offset	(Optional) Set a fixed offset from received TOD to translate into PTP time
<i>offset</i>	(Optional) tod-format
baud-rate	(Optional) Set the baud-rate for the ToD UART input
<i>baudrate</i>	(Optional) baud-rate in bps

### Command Mode

- /exec/configure/clock-if/port-params

## gps-output pps-output tod-format

[no] gps-output pps-output <pps-output> tod-format <tod-format-enum> [ baud-rate <baudrate> ]

### Syntax Description

no	(Optional) Negate a command or set its defaults
gps-output	GPS Port output mode
pps-output	Configure 1PPS output mode
<i>pps-output</i>	logging input
tod-format	Configure Time-of-day output format
<i>tod-format-enum</i>	tod-format
baud-rate	(Optional) Set the baud-rate for the ToD UART output
<i>baudrate</i>	(Optional) baud-rate in bps

### Command Mode

- /exec/configure/clock-if/port-params

# graceful-restart-helper

[no] graceful-restart-helper

## Syntax Description

no	(Optional) Negate a command or set its defaults
graceful-restart-helper	Configure Graceful Restart Helper mode functionality

## Command Mode

- /exec/configure/router-bgp/vrf-cmds

# graceful-restart

[no] graceful-restart

## Syntax Description

no	(Optional) Negate a command or set its defaults
graceful-restart	Configure Graceful Restart functionality

## Command Mode

- /exec/configure/router-bgp/vrf-cmds

# graceful-restart

[no] graceful-restart

## Syntax Description

no	(Optional) Negate a command or set its defaults
graceful-restart	Enable graceful restart for IS-IS

## Command Mode

- /exec/configure/router-isis/router-isis-vrf-common

# graceful-restart

[no] graceful-restart

## Syntax Description

no	(Optional) Negate a command or set its defaults
graceful-restart	Configure graceful restart

## Command Mode

- /exec/configure/router-ospf3 /exec/configure/router-ospf3/vrf



# graceful-restart

[no] graceful-restart

## Syntax Description

no	(Optional) Negate a command or set its defaults
graceful-restart	Configure graceful restart

## Command Mode

- /exec/configure/router-ospf /exec/configure/router-ospf/vrf

# graceful-restart

```
graceful-restart [ timers { forwarding-holding <fwdg-holdtime> | max-recovery <recovery-time> |
neighbor-liveness <peer-liveness-time> } ] | no graceful-restart [ timers { forwarding-holding | max-recovery
| neighbor-liveness } ]
```

## Syntax Description

no	Negate a command or set its defaults
graceful-restart	Configure LDP Graceful Restart
timers	(Optional) Configure Graceful Restart timers
forwarding-holding	(Optional) Forwarding State Holding time
<i>fwdg-holdtime</i>	(Optional) seconds
max-recovery	(Optional) Max-Recovery time
<i>recovery-time</i>	(Optional) seconds
neighbor-liveness	(Optional) Neighbor-Liveness time
<i>peer-liveness-time</i>	(Optional) seconds

## Command Mode

- /exec/configure/ldp

# graceful-restart

[no] graceful-restart

## Syntax Description

no	(Optional) Negate a command or set its defaults
graceful-restart	Enable graceful restart for IS-IS

## Command Mode

- /exec/configure/otv-isis/otv-isis-vrf-common

# graceful-restart

[no] graceful-restart

## Syntax Description

no	(Optional) Negate a command or set its defaults
graceful-restart	Enable graceful restart for IS-IS

## Command Mode

- /exec/configure/l2mp-isis/l2mp-isis-vrf-common

## graceful-restart grace-period

[no] graceful-restart grace-period <grace-period>

### Syntax Description

no	(Optional) Negate a command or set its defaults
graceful-restart	Configure graceful restart
grace-period	Configure maximum interval to restart gracefully
<i>grace-period</i>	Grace period in seconds

### Command Mode

- /exec/configure/router-ospf3 /exec/configure/router-ospf3/vrf

## graceful-restart grace-period

[no] graceful-restart grace-period <grace-period>

### Syntax Description

no	(Optional) Negate a command or set its defaults
graceful-restart	Configure graceful restart
grace-period	Configure maximum interval to restart gracefully
<i>grace-period</i>	Grace period in seconds

### Command Mode

- /exec/configure/router-ospf /exec/configure/router-ospf/vrf

# graceful-restart helper-disable

[no] graceful-restart helper-disable

## Syntax Description

no	(Optional) Negate a command or set its defaults
graceful-restart	Configure graceful restart
helper-disable	Disable helper mode

## Command Mode

- /exec/configure/router-ospf /exec/configure/router-ospf/vrf

# graceful-restart helper-disable

[no] graceful-restart helper-disable

## Syntax Description

no	(Optional) Negate a command or set its defaults
graceful-restart	Configure graceful restart
helper-disable	Disable helper mode

## Command Mode

- /exec/configure/router-ospf3 /exec/configure/router-ospf3/vrf



# graceful-restart planned-only

[no] graceful-restart planned-only

## Syntax Description

no	(Optional) Negate a command or set its defaults
graceful-restart	Configure graceful restart
planned-only	Enable graceful restart only for a planned restart

## Command Mode

- /exec/configure/router-ospf3 /exec/configure/router-ospf3/vrf

# graceful-restart planned-only

[no] graceful-restart planned-only

## Syntax Description

no	(Optional) Negate a command or set its defaults
graceful-restart	Configure graceful restart
planned-only	Enable graceful restart only for a planned restart

## Command Mode

- /exec/configure/router-ospf /exec/configure/router-ospf/vrf

# graceful-restart restart-time

graceful-restart restart-time <restart-time> | no graceful-restart restart-time [ <restart-time> ]

## Syntax Description

no	Negate a command or set its defaults
graceful-restart	Configure Graceful Restart functionality
restart-time	Maximum time for restart advertised to peers
<i>restart-time</i>	Restart time (seconds)

## Command Mode

- /exec/configure/router-bgp/vrf-cmds

## graceful-restart stalepath-time

graceful-restart stalepath-time <stalepath-time> | no graceful-restart stalepath-time [ <stalepath-time> ]

### Syntax Description

no	Negate a command or set its defaults
graceful-restart	Configure Graceful Restart functionality
stalepath-time	Maximum time to keep a restarting peer's stale routes
<i>stalepath-time</i>	Stalepath time (seconds)

### Command Mode

- /exec/configure/router-bgp/vrf-cmds

# graceful-restart t3 manual

graceful-restart t3 manual <sec> | no graceful-restart t3 manual [ <sec> ]

## Syntax Description

no	Negate a command or set its defaults
graceful-restart	Enable graceful restart for IS-IS
t3	Set the T3 (RFC 3847) graceful restart timer
manual	Change manually T3 default value
<i>sec</i>	Specify T3 value (secs)

## Command Mode

- /exec/configure/otv-isis/otv-isis-vrf-common

# graceful-restart t3 manual

graceful-restart t3 manual <sec> | no graceful-restart t3 manual [ <sec> ]

## Syntax Description

no	Negate a command or set its defaults
graceful-restart	Enable graceful restart for IS-IS
t3	Set the T3 (RFC 3847) graceful restart timer
manual	Change manually T3 default value
<i>sec</i>	Specify T3 value (secs)

## Command Mode

- /exec/configure/router-isis/router-isis-vrf-common

# graceful-restart t3 manual

graceful-restart t3 manual <sec> | no graceful-restart t3 manual [ <sec> ]

## Syntax Description

no	Negate a command or set its defaults
graceful-restart	Enable graceful restart for IS-IS
t3	Set the T3 (RFC 3847) graceful restart timer
manual	Change manually T3 default value
<i>sec</i>	Specify T3 value (secs)

## Command Mode

- /exec/configure/l2mp-isis/l2mp-isis-vrf-common

# graceful-shutdown activate

[ no | default ] graceful-shutdown activate [ route-map <rmap-name> ]

## Syntax Description

no	(Optional) Negate a command or set its defaults
default	(Optional) Inherit values from a peer template
graceful-shutdown	Graceful-shutdown for this neighbor
activate	Send graceful-shutdown community
route-map	(Optional) Apply route-map to modify attributes for outbound
<i>rmap-name</i>	(Optional) Route-map name

## Command Mode

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



# graceful-shutdown activate

[no] graceful-shutdown activate [ route-map <rmap-name> ]

## Syntax Description

no	(Optional) Negate a command or set its defaults
graceful-shutdown	Graceful-shutdown for BGP protocol
activate	Send graceful-shutdown community on all routes
route-map	(Optional) Apply route-map to modify attributes for outbound
<i>rmap-name</i>	(Optional) Route-map name

## Command Mode

- /exec/configure/router-bgp

# graceful-shutdown aware

[no] graceful-shutdown aware

## Syntax Description

no	(Optional) Negate a command or set its defaults
graceful-shutdown	Graceful-shutdown for BGP protocol
aware	Lower preference of routes carrying graceful-shutdown community

## Command Mode

- /exec/configure/router-bgp

# graceful consistency-check

[no] graceful consistency-check

## Syntax Description

no	(Optional) Negate a command or set its defaults
graceful	Enable graceful features
consistency-check	Enable graceful type-1 consistency check

## Command Mode

- /exec/configure/vpc-domain

# grep

| { grep | egrep } [ -c | -i | -n | -v | -w | -x | <ctx> | -A <num> | -B <num> ] + <expr>

## Syntax Description

	Pipe command output to filter
grep	Grep - print lines matching a pattern
egrep	Egrep - print lines matching a pattern
-c	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
-i	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
-n	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
-v	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
-w	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
-x	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>ctx</i>	(Optional) Print <num> lines of context on each side of every match
-A	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
-B	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
<i>num</i>	(Optional) Print <num> lines of context
<i>expr</i>	Search for the expression

## Command Mode

- /output

# grep

```
| { grep | egrep } [ count | ignore-case | line-number | invert-match | word-exp | line-exp | <ctx> | next <num> | prev <num> ] + <expr>
```

## Syntax Description

	Pipe command output to filter
grep	Grep - print lines matching a pattern
egrep	Egrep - print lines matching a pattern
count	(Optional) Print a total count of matching lines only
ignore-case	(Optional) Ignore case difference when comparing strings
line-number	(Optional) Print each match preceded by its line number
invert-match	(Optional) Print only lines that contain no matches for <expr>
word-exp	(Optional) Print only lines where the match is a complete word
line-exp	(Optional) Print only lines where the match is a whole line
<i>ctx</i>	(Optional) Print <num> lines of context on each side of every match
next	(Optional) Print <num> lines of context after every matching line
prev	(Optional) Print <num> lines of context before every matching line
<i>num</i>	(Optional) Print <num> lines of context
<i>expr</i>	Search for the expression

## Command Mode

- /output

# grep

| { grep | egrep } [ -c | -i | -n | -v | -w | -x | <ctx> | -A <num> | -B <num> ] + [ -- ] <expr>

## Syntax Description

	Pipe command output to filter
grep	Grep
egrep	Egrep
-c	(Optional) Print a total count of matching lines only
-i	(Optional) Ignore case difference when comparing strings
-n	(Optional) Print each match preceded by its line number
-v	(Optional) Print only lines that contain no matches for <expr>
-w	(Optional) Print only lines where the match is a complete word
-x	(Optional) Print only lines where the match is a whole line
ctx	(Optional) Print <num> lines of context on each side of every match
-A	(Optional) Print <num> lines of context after every matching line
-B	(Optional) Print <num> lines of context before every matching line
num	(Optional) Print <num> lines of context
--	THIS KEYWORD OR VARIABLE IS NOT SUPPORTED
expr	Search for the expression

## Command Mode

- /output

# group drop-events

[no] group drop-events

## Syntax Description

group	Group for which the events need to be set
drop-events	Set events for drops

## Command Mode

- /exec/configure/analytics/event

# group drop-events

[no] group drop-events

## Syntax Description

group	Group for which the events need to be set
drop-events	Set events for drops

## Command Mode

- /exec/configure/config-fte-event



# group drop-events

[no] group drop-events

## Syntax Description

group	Group for which the events need to be set
drop-events	Set events for drops

## Command Mode

- /exec/configure/nfm-event

# group latency-events

[no] group latency-events

## Syntax Description

group	Group for which the events need to be set
latency-events	Set events for latency events

## Command Mode

- /exec/configure/nfm-event

# group latency-events

[no] group latency-events

## Syntax Description

group	Group for which the events need to be set
latency-events	Set events for latency events

## Command Mode

- /exec/configure/config-fte-event

# group latency-events

[no] group latency-events

## Syntax Description

group	Group for which the events need to be set
latency-events	Set events for latency events

## Command Mode

- /exec/configure/analytics/event

# group packet-events

[no] group packet-events

## Syntax Description

group	Group for which the events need to be set
packet-events	Set events for packet events

## Command Mode

- /exec/configure/nfm-event

# group packet-events

[no] group packet-events

## Syntax Description

group	Group for which the events need to be set
packet-events	Set events for packet events

## Command Mode

- /exec/configure/analytics/event

## grpc-async

[no] grpc-async

### Syntax Description

no	(Optional) Negate a command or set its defaults
grpc-async	Enable gRPC asynchronous mode

### Command Mode

- /exec/configure/telemetry/destination-group/host

# grpc deadline

grpc deadline <timeout> | no grpc deadline

## Syntax Description

no	Negate a command or set its defaults
grpc	Specify grpc details
deadline	Specify deadline timeout
<i>timeout</i>	Set deadline timeout in seconds

## Command Mode

- /exec/configure/telemetry/destination-profile



# guest-ipaddress

{ guest-ipaddress <ip-prefix> | no guest-ipaddress [ <ip-prefix> ] }

## Syntax Description

no	Negate a command or set its defaults
guest-ipaddress	guest-ipaddress and netmask length
<i>ip-prefix</i>	guest-ipaddress and netmask length

## Command Mode

- /exec/configure/app-hosting-app-vnic

# guest-ipv6address

{ guest-ipv6address <ipv6-prefix> | no guest-ipv6address [ <ipv6-prefix> ] }

## Syntax Description

no	Negate a command or set its defaults
guest-ipv6address	guest-ipv6address and netmask length

## Command Mode

- /exec/configure/app-hosting-app-vnic

# guestshell

```
guestshell [ { enable [ { package <enable_uri> } ] } | { upgrade [ { package <upgrade_uri> } ] } | { export {
rootfs package <export_uri> } } | { disable } | { destroy } | { reboot } | <sync_cmd_name> | { resize { rootfs
<gsh_rootfs> | cpu <gsh_cpu> | memory <gsh_memory> } } | { run { <cmd_args> } } ]
```

## Syntax Description

guestshell	Request a guest shell
enable	(Optional) Enable the guest shell service
upgrade	(Optional) Upgrade the guest shell service package to a different version
export	(Optional) Export the guest shell
<i>export_uri</i>	(Optional) Destination file or directory path
disable	(Optional) Disable the guest shell service package
destroy	(Optional) Disable and uninstall the guest shell service package
<i>sync_cmd_name</i>	(Optional) Synchronize the contents of the guest shell to standby supervisor
reboot	(Optional) Deactivate and reactivate the guest shell service
resize	(Optional) Resize the existing/default guest shell parameters
rootfs	(Optional) Guest shell root filesystem disk image
<i>gsh_rootfs</i>	(Optional) New root filesystem size (in MB)
cpu	(Optional) System CPU share allocated to guest shell
<i>gsh_cpu</i>	(Optional) New CPU share allocation (as % of system CPU)
memory	(Optional) System memory allocated to guest shell
<i>gsh_memory</i>	(Optional) New memory size (in MB)
package	(Optional) Package location
<i>enable_uri</i>	(Optional) File name for the virtual service
<i>upgrade_uri</i>	(Optional) File name for the virtual service
run	(Optional) Execute/run program in the guest shell
<i>cmd_args</i>	(Optional) Executable with optional arguments

## Command Mode

- /exec

# gunzip

gunzip <uri0>

## Syntax Description

gunzip	Uncompresses LZ77 coded files
<i>uri0</i>	Enter filename (filename must have .gz extension)

## Command Mode

- /exec

# gzip

gzip <uri0>

## Syntax Description

gzip	Compresses file using LZ77 coding
<i>uri0</i>	Enter filename

## Command Mode

- /exec

