



CSG2 Command History—CSG1 R7 to CSG2 R1

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Unchanged Commands

The following commands did not change between the CSG1 and the CSG2:

- **activation**
- **class (CSG2 service)**
- **flags**

- **idle (CSG2 service)**
- **inservice (CSG2 content)**
- **ip (CSG2 content)**
- **ip csg billing**
- **ip csg content**
- **ip csg policy**
- **ip csg refund**
- **ip csg service**
- **meter increment**
- **meter initial**
- **meter minimum**
- **mode**
- **passthrough**
- **pending (CSG2 content)**
- **policy (CSG2 content)**
- **retcode**
- **service**
- **show ip csg**

New Commands

The following commands are new for the CSG2:

- **aoc append url**
- **clear ip csg**
- **ip csg bma keepalive**
- **ip csg bma messages**
- **ip csg bma retransmit**
- **ip csg bma retries**
- **ip csg bma window**
- **ip csg case-sensitive**
- **ip csg entries fragment**
- **ip csg entries session user max**
- **ip csg entries user block unknown**
- **ip csg entries user max**
- **ip csg ipc crashdump**
- **ip csg ipc keepalive**
- **ip csg ipc retransmit**
- **ip csg ipc retries**

- **ip csg mode single-tp**
- **ip csg psd drain delay**
- **ip csg psd drain packet**
- **ip csg psd keepalive**
- **ip csg psd margin**
- **ip csg psd retransmit**
- **ip csg psd retries**
- **ip csg psd window**
- **ip csg quota-server keepalive**
- **ip csg quota-server messages**
- **ip csg quota-server reassign**
- **ip csg quota-server retransmit**
- **ip csg quota-server retries**
- **ip csg quota-server window**
- **ip csg radius correlation**
- **ip csg replicate**
- **ip csg report smtp rfc2822**
- **ip csg report wap actual-pdu**
- **ip csg subscriber**
- **match method (CSG2 map)**
- **meter exclude mms wap**
- **mode tcp**
- **parse length (CSG2 content)**
- **parse protocol (CSG2 content)**
- **reauthorization threshold**
- **reauthorization timeout**
- **records delay**
- **sami rate all**
- **subscriber-ip http-header x-forwarded-for (CSG2 content)**
- **vrf (CSG2 content)**

Deleted Commands

The following CSG1 commands have been deleted from the CSG2:

- **accounting (module CSG2)**
- **alias (module CSG2 VLAN)**
- **assign**
- **clear module csg**

- **clear module csm**
- **client (CSG2 content)**
- **client-ip (CSG2 policy)**
- **content (CSG2 ruleset)**
- **copy**
- **entries**
- **failover**
- **ft group (module CSG2)**
- **gateway (module CSG2 VLAN)**
- **heartbeat-time**
- **hostname**
- **ip address (module CSG2 VLAN)**
- **ip csg accounting**
- **ip csg user-group**
- **ip csg weight**
- **keepalive**
- **module csg**
- **ping**
- **priority**
- **radius acct-port**
- **radius key**
- **radius monitor**
- **radius parse strict**
- **radius server**
- **records batch**
- **records http-statistics**
- **route (module CSG2 VLAN)**
- **ruleset**
- **show module csg arp**
- **show module csg billing**
- **show module csg clock**
- **show module csg conns**
- **show module csg ft**
- **show module csg status**
- **show module csg tech-support**
- **show module csg variable**
- **show module csg vlan**
- **table (module CSG2 VLAN)**

- **upgrade**
- **user-group**
- **variable (module csg)**
- **vlan (module csg)**
- **zero-quota abort type**

Changed Commands

Table C-1 summarizes the changes made to commands between the CSG1 and the CSG2:

Table C-1 Commands That Changed Between CSG1 and CSG2

Command	Change from CSG1
accounting (CSG2 policy)	All keywords and arguments except customer-string <i>string</i> were removed.
agent (CSG2 accounting)	The name of this command changed to ip csg bma . The vrf <i>vrf-name</i> keyword and argument were added.
agent activate	The name of this command changed to ip csg bma activate . The range of the <i>number</i> argument changed from 1 to 10, to 1 to 32.
agent local-port	The name of this command changed to ip csg bma local-port .
aoc confirmation	The name of this command changed to aoc confirm . The configuration mode for this command changed from CSG user group configuration to CSG2 service configuration. The list of supported special characters changed.
authorize content	The name of this command changed to aoc enable .
basis	The exclude mms keyword was removed.
client-group (CSG2 content)	The configuration mode for this command changed from CSG policy configuration to CSG2 content configuration. The range for the <i>std-access-list-number</i> argument increased from 1300 to 1999.
content (CSG2 service)	The <i>weight-name</i> argument was replaced with the <i>weight-value</i> argument.
database	The name of this command changed to ip csg database . The configuration mode for this command changed from CSG user group to global configuration. The vrf <i>vrf-name</i> and <i>local-port</i> keywords and arguments were added.
debug ip csg	The acl <i>number</i> , configuration sync , detail , dump , error , frag , global , ha , http , interm , ipc , mail , other , packet , <i>priority</i> , qs , replicate , service , session event , session state , stats , and vrf <i>vrf-name</i> , keywords and arguments were added. The any , bma , ipc , psd , and quota-server keywords were added for the gtp keyword. The agent , api , cpu , module <i>number</i> , quota , prepaid , record storage <i>slot</i> , and timer keywords and arguments were removed.
entries idle (CSG2 billing)	The name of this command changed to entries user idle .

Table C-1 Commands That Changed Between CSG1 and CSG2 (continued)

Command	Change from CSG1
header-map	This command, along with the url-map command, was incorporated into map (CSG2 policy) .
idle (CSG2 content)	The default setting for the <i>duration</i> argument changed from 3600 seconds to 300 seconds.
ip csg block	The name of this command changed to block . The configuration mode for this command changed from global to CSG content configuration.
ip csg map	The header and url keywords were removed.
ip csg snmp timer	The psd keyword was added. The agent keyword was replaced with the bma keyword.
ip csg transport-type	The name of the command changed to ip csg transport-type assign . The <i>ipv4-address</i> and <i>value</i> arguments were added.
keepalive	The name of this command changed to ip csg bma keepalive . The configuration mode for this command changed from CSG accounting to global configuration.
match (header map)	The name of this command changed to match header (CSG2 map) . The configuration mode for this command changed from CSG header map configuration to CSG2 map configuration. The protocol <i>protocol</i> and value keywords and arguments were removed. The <i>pattern</i> argument was replaced with the <i>value</i> argument.
match (url map)	The name of this command changed to match url (CSG2 map) . The configuration mode for this command changed from CSG URL map configuration to CSG2 map configuration. The protocol <i>protocol</i> and method <i>method</i> keywords and arguments were removed.
meter exclude	The meter exclude command split into three new commands— meter exclude mms wap , meter exclude pause rtsp , and meter exclude svc-idle .
meter imap	The name of this command changed to meter include imap . The body-header , body-only , and body-other keywords changed to body header , body only , and body other , respectively.
next-hop (CSG2 content)	The configuration mode for this command changed from CSG policy configuration to CSG2 content configuration. The reverse keyword was added.
owner id	This command, along with the owner name command, was incorporated into owner (CSG2 service) .
owner name	This command, along with the owner id command, was incorporated into owner (CSG2 service) .
quota activate	The name of this command changed to ip csg quota-server activate . The configuration mode for this command changed from CSG user group configuration to global configuration. The range for the <i>number</i> argument changed from 1 to 10, to 1 to 32.

Table C-1 Commands That Changed Between CSG1 and CSG2 (continued)

Command	Change from CSG1
quota local-port	<ul style="list-style-type: none"> – The name of this command changed to ip csg quota-server local-port. – The configuration mode for this command changed from CSG user group configuration to global configuration. – The range for the <i>port-number</i> argument changed from 1 to 65535, to 1024 to 65535.
quota server	<p>The name of this command changed to ip csg quota-server.</p> <p>The configuration mode for this command changed from CSG user group configuration to global configuration.</p> <p>The vrf <i>vrf-name</i> keyword and argument were added.</p> <p>The reassign keyword was removed.</p>
radius ack error	<p>The radius ack error command split into two new commands—ip csg radius ack error parse and ip csg radius ack error user.</p> <p>The configuration mode for this command changed from CSG user group configuration to global configuration.</p>
radius endpoint	<p>The name of this command changed to ip csg radius endpoint.</p> <p>The configuration mode for this command changed from module CSG configuration to global configuration.</p> <p>The vrf <i>vrf-name</i> and vrf <i>sub-vrf-name</i> keywords and arguments were added.</p> <p>The table <i>table-name</i> keyword and argument were removed.</p>
radius handoff	<p>The name of this command changed to ip csg radius handoff.</p> <p>The configuration mode for this command changed from CSG user group configuration to global configuration.</p>
radius pod attribute	<p>The name of this command changed to ip csg radius pod attribute.</p> <p>The configuration mode for this command changed from CSG user group configuration to global configuration.</p> <p>The 26 keyword was removed.</p>
radius pod nas	<p>The name of this command changed to ip csg radius pod nas.</p> <p>The configuration mode for this command changed from CSG user group configuration to global configuration.</p> <p>The vrf <i>vrf-name</i> keyword and argument were added.</p>
radius pod timeout	<p>The name of this command changed to ip csg radius pod timeout.</p> <p>The configuration mode for this command changed from CSG user group configuration to global configuration.</p>
radius proxy	<p>The name of this command changed to ip csg radius proxy.</p> <p>The configuration mode for this command changed from module CSG configuration to global configuration.</p> <p>The vrf <i>vrf-name</i> keyword and argument were added.</p> <p>The table <i>table-name</i> keyword and argument were removed.</p>

Table C-1 Commands That Changed Between CSG1 and CSG2 (continued)

Command	Change from CSG1
radius start restart session-id	The name of this command changed to ip csg radius start restart session-id . The configuration mode for this command changed from module CSG configuration to global configuration. The 26 keyword was removed.
radius stop purge	The name of this command changed to ip csg radius stop purge . The configuration mode for this command changed from module CSG configuration to global configuration. The 26 keyword was removed.
radius userid	The name of this command changed to ip csg radius userid . The configuration mode for this command changed from module CSG configuration to global configuration.
records format	The name of this command changed to ip csg records format . The configuration mode for this command changed from CSG accounting configuration to global configuration. The variable-single-cdr keyword was replaced with the combined keyword. The http and wap keywords were added.
records granularity	The time keyword changed to seconds . The range for the <i>seconds</i> argument changed from 60 to 4294967295, to 5 to 86400.
records intermediate	The configuration mode for this command changed from CSG accounting configuration to CSG2 content configuration. The time keyword changed to seconds . The range for the <i>seconds</i> argument changed from 5 to 65535, to 5 to 86400.
records max	The name of this command changed to ip csg bma messages . The configuration mode for this command changed from CSG accounting configuration to global configuration.
record-storage	The name of this command changed to ip csg psd . The configuration mode for this command changed from CSG accounting configuration to global configuration. The vrf vrf-name keyword and argument were added.
record-storage local-port	The name of this command changed to ip csg psd local-port . The configuration mode for this command changed from CSG accounting configuration to global configuration.
redirect	The name of this command changed to ip csg redirect . The configuration mode for this command changed from CSG user group configuration to CSG2 service configuration. The interval seconds and maximum number keywords and arguments were added. The nat ipv4-address and port-number keyword and arguments were removed.
refund-policy	The name of this command changed to refund .

Table C-1 Commands That Changed Between CSG1 and CSG2 (continued)

Command	Change from CSG1
replicate connection tcp	The name of this command changed to replicate (CSG2 content) . The delay seconds keyword and argument were added.
report http header	The name of this command changed to ip csg report http header . The configuration mode for this command changed from CSG accounting configuration to global configuration.
report radius attribute	The name of this command changed to ip csg report radius attribute . The configuration mode for this command changed from CSG accounting configuration to global configuration. The 26 keyword was removed.
report usage	The name of this command changed to ip csg report usage . The configuration mode for this command changed from CSG accounting configuration to global configuration.
show module csg accounting	This command, along with the show module csg content and show module csg stats commands, was incorporated into show ip csg .
show module csg content	This command, along with the show module csg accounting and show module csg stats commands, was incorporated into show ip csg .
show module csg stats	This command, along with the show module csg accounting and show module csg content commands, was incorporated into show ip csg .
snmp-server enable traps csg	The bma , database , quota-server , records , and state keywords were added. The agent , database , and quota-server keywords were removed.
url-map	This command, along with the header-map command, was incorporated into map (CSG2 policy) .
user-profile server	The name of this command changed to ip csg entries user profile . The configuration mode for this command changed from CSG user group to global configuration.
verify	The name of this command changed to verify enable .
verify confirmation	The name of this command changed to verify confirm . The configuration mode for this command changed from CSG user group configuration to CSG2 service configuration. The list of supported special characters changed.
vlan (CSG2 content)	The <i>vlan-name</i> argument was replaced with the <i>vlan-number</i> argument.

Changes to Module CSG Configuration Mode

Table C-2 summarizes the changes to module CSG configuration mode between the CSG1 and the CSG2:

Table C-2 Summary of Changes to Module CSG Configuration Mode

Command Name	Status in the CSG2
module csg	Removed. There is no module CSG configuration mode in the CSG2. The old module CSG configuration mode commands have been removed or replaced with global configuration mode commands.
accounting (module CSG)	Removed.
ft group (module CSG)	Removed.
hostname	Removed.
radius endpoint	ip csg radius endpoint
radius proxy	ip csg radius proxy
ruleset	Removed.
variable	Removed.
vlan (module CSG)	Removed.

Changes to Module CSG VLAN Configuration Mode

Table C-3 summarizes the changes to module CSG VLAN configuration mode between the CSG1 and the CSG2:

Table C-3 Summary of Changes to Module CSG VLAN Configuration Mode

Command Name	Status in the CSG2
vlan (module CSG)	Removed. There is no module CSG VLAN configuration mode in the CSG2.
alias (module CSG VLAN)	Removed.
gateway (module CSG VLAN)	Removed.
ip address (module CDG VLAN)	Removed.
route (module CSG VLAN)	Removed.
table (module CSG VLAN)	Removed.

Changes to Accounting Configuration Mode

Table C-4 summarizes the changes to accounting configuration mode between the CSG1 and the CSG2:

Table C-4 Summary of Changes to Accounting Group Configuration Mode

Command Name	Status in the CSG2
ip csg accounting	Removed. There is no accounting configuration mode in the CSG2. The old accounting configuration mode commands have been removed, moved to other configuration modes, or replaced with global configuration mode commands.
aoc confirmation	aoc confirm Moved to CSG2 service configuration mode.
database	ip csg database
entries max	ip csg entries user max
ip csg entries user block unknown	New for CSG2.
ip csg quota-server reassign	New for CSG2.
quota activate	ip csg quota-server activate
quota local-port	ip csg quota-server local-port
quota server	ip csg quota-server
radius acct-port	Removed.
radius ack error	ip csg radius ack error parse and ip csg radius ack error user
radius handoff	ip csg radius handoff
radius key	Removed.
radius monitor	Removed.
radius parse strict	Removed.
radius pod attribute	ip csg radius pod attribute
radius pod nas	ip csg radius pod nas
radius pod timeout	ip csg radius pod timeout
radius server	Removed.
radius start restart session-id	ip csg radius start restart session-id
radius stop purge	ip csg radius stop purge
radius userid	ip csg radius userid
redirect	ip csg redirect
user-profile server	ip csg entries user profile
verify confirmation	verify confirm

Changes to Billing Configuration Mode

Table C-5 summarizes the changes to billing configuration mode between the CSG1 and the CSG2:

Table C-5 Summary of Changes to Billing Configuration Mode

Command Name	Status in the CSG2
ip csg billing	Same command name and configuration mode.
entries user idle	New for CSG2.
mode	Same command name and configuration mode.
service	Same command name and configuration mode.

Changes to Block Configuration Mode

Table C-6 summarizes the changes to block configuration mode between the CSG1 and the CSG2:

Table C-6 Summary of Changes to Block Configuration Mode

Command Name	Status in the CSG2
ip csg block	block Moved to CSG2 content configuration mode.

Changes to Content Configuration Mode

Table C-7 summarizes the changes to content configuration mode between the CSG1 and the CSG2:

Table C-7 Summary of Changes to Content Configuration Mode

Command Name	Status in the CSG2
ip csg content	Same command name and configuration mode.
block	Moved from block configuration mode.
client (CSG content)	Removed.
client-group (CSG2 content)	Moved from policy configuration mode.
idle (CSG2 content)	Same command name and configuration mode.
inservice (CSG2 content)	Same command name and configuration mode.
ip (CSG2 content)	Same command name and configuration mode.
mode tcp	New for CSG2.
next-hop (CSG2 content)	Moved from policy configuration mode.
parse length (CSG2 content)	New for CSG2.
parse protocol (CSG2 content)	New for CSG2.
pending (CSG2 content)	Same command name and configuration mode.
policy (CSG2 content)	Same command name and configuration mode.

Table C-7 Summary of Changes to Content Configuration Mode (continued)

Command Name	Status in the CSG2
records delay	New for CSG2.
records intermediate	Moved from accounting configuration mode.
replicate connection tcp	replicate (CSG2 content)
subscriber-ip http-header x-forwarded-for (CSG2 content)	New for CSG2.
vlan (CSG2 content)	Same command name and configuration mode.
vrf (CSG2 content)	New for CSG2.

Changes to Map Configuration Mode

Table C-8 summarizes the changes to map configuration mode between the CSG1 and the CSG2:

Table C-8 Summary of Changes to Map Configuration Mode

Command Name	Status in the CSG2
ip csg map	Same command name and configuration mode.
match (header map)	match header (CSG2 map) Moved to CSG2 map configuration mode.
match method (CSG2 map)	New for CSG2.
match (URL map)	match url (CSG2 map) Moved to CSG2 map configuration mode.

Changes to Policy Configuration Mode

Table C-9 summarizes the changes to policy configuration mode between the CSG1 and the CSG2:

Table C-9 Summary of Changes to Policy Configuration Mode

Command Name	Status in the CSG2
ip csg policy	Same command name and configuration mode.
accounting (CSG2 policy)	Same command name and configuration mode.
client-group (CSG2 content)	Moved to CSG2 content configuration mode.
client-ip (CSG policy)	Removed.
header-map	map (CSG2 policy)
next-hop (CSG2 content)	Moved to CSG2 content configuration mode.
url-map	map (CSG2 policy)

Changes to Refund Configuration Mode

Table C-10 summarizes the changes to refund configuration mode between the CSG1 and the CSG2:

Table C-10 Summary of Changes to Refund Configuration Mode

Command Name	Status in the CSG2
ip csg refund	Same command name and configuration mode.
flags	Same command name and configuration mode.
retcode	Same command name and configuration mode.

Changes to Ruleset Configuration Mode

Table C-11 summarizes the changes to ruleset configuration mode between the CSG1 and the CSG2:

Table C-11 Summary of Changes to Ruleset Configuration Mode

Command Name	Status in the CSG2
ip csg ruleset	Removed.

Changes to Service Configuration Mode

Table C-12 summarizes the changes to service configuration mode between the CSG1 and the CSG2:

Table C-12 Summary of Changes to Service Configuration Mode

Command Name	Status in the CSG2
ip csg service	Same command name and configuration mode.
activation	Same command name and configuration mode.
aoc append url	New for CSG2.
aoc confirm	Moved from user group configuration mode.
aoc enable	New for CSG2.
authorize content	aoc enable
basis	Same command name and configuration mode.
class (CSG2 service)	Same command name and configuration mode.
content (CSG2 service)	Same command name and configuration mode.
idle (CSG2 service)	Same command name and configuration mode.
meter exclude	Three new commands for CSG2: meter exclude mms wap , meter exclude pause rtsp , and meter exclude svc-idle .
meter imap	meter include imap
meter increment	Same command name and configuration mode.
meter initial	Same command name and configuration mode.

Table C-12 Summary of Changes to Service Configuration Mode (continued)

Command Name	Status in the CSG2
meter minimum	Same command name and configuration mode.
owner id	owner (CSG2 service)
owner name	owner (CSG2 service)
passthrough	Same command name and configuration mode.
reauthorization threshold	New for CSG2.
reauthorization timeout	New for CSG2.
records granularity	Same command name and configuration mode.
refund-policy	refund
verify	verify enable
verify confirm	New for CSG2.
zero-quota abort type	Removed.

Changes to SNMP Timer Configuration Mode

[Table C-13](#) summarizes the changes to SNMP timer configuration mode between the CSG1 and the CSG2:

Table C-13 Summary of Changes to SNMP Timer Configuration Mode

Command Name	Status in the CSG2
ip csg snmp timer	ip csg snmp timer

Changes to Transport-Type Configuration Mode

[Table C-14](#) summarizes the changes to transport-type configuration mode between the CSG1 and the CSG2:

Table C-14 Summary of Changes to Transport-Type Configuration Mode

Command Name	Status in the CSG2
ip csg transport-type	ip csg transport-type assign

Changes to User Group Configuration Mode

Table C-15 summarizes the changes to user group configuration mode between the CSG1 and the CSG2:

Table C-15 Summary of Changes to User Group Configuration Mode

Command Name	Status in the CSG2
ip csg user-group	Removed. There is no user group configuration mode in the CSG2. The old user group configuration mode commands have been removed, moved to other configuration modes, or replaced with global configuration mode commands.
aoc confirmation	aoc confirm Moved to CSG2 service configuration mode.
database	ip csg database
entries max	ip csg entries user max
ip csg entries user block unknown	New for CSG2.
ip csg quota-server reassign	New for CSG2.
quota activate	ip csg quota-server activate
quota local-port	ip csg quota-server local-port
quota server	ip csg quota-server
radius acct-port	Removed.
radius ack error	ip csg radius ack error parse
radius handoff	ip csg radius handoff
radius key	Removed.
radius monitor	Removed.
radius parse strict	Removed.
radius pod attribute	ip csg radius pod attribute
radius pod nas	ip csg radius pod nas
radius pod timeout	ip csg radius pod timeout
radius server	Removed.
radius start restart session-id	ip csg radius start restart session-id
radius stop purge	ip csg radius stop purge
radius userid	ip csg radius userid
redirect	ip csg redirect
user-profile server	ip csg entries user profile
verify confirmation	verify confirm

Changes to Weight Configuration Mode

Table C-16 summarizes the changes to weight configuration mode between the CSG1 and the CSG2:

Table C-16 Summary of Changes to Weight Configuration Mode

Command Name	Status in the CSG2
ip csg weight	Removed.

■ Changes to Weight Configuration Mode