

Show Commands

application-assurance-group

Syntax	application-assurance-group [<i>aa-group-id</i> [load-balance [unassigned]]]
Context	show>isa
Description	This command displays ISA group information.
Parameters	<p><i>aa-group-id</i> — Specifies the AA ISA group ID.</p> <p>load-balance — Specifies load balancing information.</p> <p>unassigned — Specifies load balancing unassigned aa-sub information.</p>

Sample Output

```
A:ALU>show>isa# application-assurance-group 1
=====
ISA Application-assurance-groups
=====
ISA-AA Group Index      : 1
Description             : Test
Primary ISA-AA         : 2/1 up/active           (7 subs, 9 saps)
                       : 3/2 up/active           (6 subs, 8 saps)
Backup ISA-AA          : 1/1 up/standby
Last Active change     : 01/30/2009 20:14:37
Admin State            : Up
Oper State             : Up
Diverted FCs          : be 12
Fail to mode           : fail-to-wire Partitions: disabled
QoS
  Egress from subscriber
    Pool                : default
    Reserved Cbs       : 50 percent

    Slope Policy       : aa_spoll
    Queue Policy       : aa_nqpolEgr
    Scheduler Policy   : aa_pspFrmSub
  Egress to subscriber
    Pool                : default
    Reserved Cbs       : 50 percent

    Slope Policy       : aa_spoll
    Queue Policy       : aa_nqpolEgr
    Scheduler Policy   : aa_pspToSub
=====
A:ALU>show>isa#

A:ALA-IPD# show isa application-assurance-group <aa-group-id> load-balance
=====
ISA Application-assurance-group <aa-group-id>
```

Application Assurance Command Descriptions

```

=====
load-balance status      : Complete | Balancing
isa-capacity-cost-threshold : low 40,000
                             high 50,000
-----
                capacity-cost  aa-sub    aa-sub stats spoke-sdp transit-ip
                count          count     count  entries  entries
-----
1/1             6              6       60      0         0
3/1             5              5       48      0         0
Mda Limit      NA             1024    32768   1024      1024
=====
aa-sub type count for group 2
=====
                all           esm           sap           spoke-sdp  transit
-----
1/1             6              3           3             0           0
3/1             5              3           2             0           0
Unassigned     0              0           0             0           0
...
=====
A:ALA-IPD#

*A:Dut-C# show isa application-assurance-group 84 load-balance unassigned
=====
ISA Application-assurance-group 84 unassigned
=====
type      SvcId      aa-sub                App-Profile
-----
esm       2          Sub1                  Cost30
esm       50         Sub2                  Cost31
sap       29         2/1/10:527           Cost29
sap       30         2/1/10:528           Cost29
sap       31         2/1/10:529           Cost29
sap       31         2/1/10:530           Cost29
sap       31         2/1/10:531           Cost29
sap       32         2/1/10:546           Cost29
sap       32         2/1/10:547           Cost29
sap       33         2/1/10:548           Cost29
spoke    201         199:10                Cost27
spoke    202         199:17                Cost10
spoke    202         199:18                Cost10
spoke    202         199:19                Cost10
=====
*A:Dut-C#

```

aarp

Syntax	aarp aarp aarpId [detail]
Context	show>app-assur
Description	This command displays Application Assurance Redundancy Protocol (AARP) instance status
Parameters	<i>aarpId</i> —

Values 1 — 65535

detail — Displays detailed information.

group

Syntax **group** *aa-group-id* [:*partition-id*]

Context show>app-assure

Description This command enables the context to display application-assurance group information.

Parameters *aa-group-id* — Specifies an AA ISA group ID.

Values 1

partition-id — Specifies a partition within a group.

Values 1 — 65535

aa-sub

Syntax **aa-sub esm** *sub-ident-string* [**snapshot**]
aa-sub sap *sap-id*
aa-sub spoke-id *sdp-id:vc-id* [**snapshot**]
aa-sub transit *transit-aasub-name* [**snapshot**]

Context show>app-assure>group

Description This command displays per-subscriber statistics.

Parameters **esm** *sub-ident-string* — Specifies an existing subscriber identification string.

sap *sap-id* — Specifies the physical port identifier portion of the SAP definition. Refer to [Appendix A: Common CLI Command Descriptions on page 811](#) for syntax.

spoke-id *sdp-id:vc-id* — Specifies the spoke SDP ID and VC ID.

Values 1 — 17407
 1 — 4294967295

snapshot — Specifies that the statistics retrieved include the sum of the statistics from the previous collection windows, and the statistics for any closed flows since the last collection window.

transit *transit-aasub-name* — Specifies an existing transit subscriber name string up to 32 characters in length.

Sample Output

```
*A:Dut-C# show application-assurance group 1 aa-sub spoke-sdp 1:1 snapshot applica-
tion count
=====
Application-Assurance Subscriber 1:1 (spoke-sdp)
Application Statistics (snapshot)
```

Application Assurance Command Descriptions

```

=====
Application                               Disc Octets           Packets           Flows
-----
Unknown                                   0% 0                0                0
=====

```

*A:Dut-C#

```

A:ALA-IPD# show application-assurance group 1 aa-sub {esm <sub-ident-string> |
sap <sap-id> | spoke-sdp <sdp-id:vc-id> | transit <transit-aasub-name>} summary
=====

```

Application-Assurance Subscriber summary (realtime | snapshot)

```

=====
AA-Subscriber      : 1:1 (spoke-sdp)
ISA assigned       : 3/1
App-Profile        : app_prof_D_4
App-Profile divert : Yes
Capacity cost      : 1
=====

```

```

-----
Traffic            Octets              Packets            Flows
-----
Admitted from subscriber: 0                0                0
Denied from subscriber:  0                0                0
Active flows from subscriber:
Admitted to subscriber:  0                0                0
Denied to subscriber:    0                0                0
Active flows to subscriber:
Total flow duration:    0 seconds
Terminated flows:
Short Duration flows:
Medium Duration flows:
Long Duration flows:

```

```

-----
Top App-Groups     Octets              Packets            Flows
-----
<app-group-name>  100000             3000              30
<app-group-name>  90000              3000              30
<app-group-name>  80000              3000              30
=====

```

A:ALA-IPD#

```

A:ALA-IPD# show application-assurance group 1 aa-sub transit <transit-aasub-name>
summary
=====

```

Application-Assurance Subscriber summary (realtime | snapshot)

```

=====
AA-Subscriber      : <transit-aasub-name>
App-Profile        : <app-profile-name>

aa-filter          : aa-ip <aa-ip-filter-id> or aa-prefix <aa-prefix-filter-id>
  Parent           : SAP <sap-id> or Spoke-SDP <id> or N/A
  Parent ISA assigned : <Slot/MDA> or <None (fail-to-closed | fail-to-open)> or
Unassigned or N/A
  Parent app-profile : <app-profile-name> or N/A
  Parent divert      : Yes or No or N/A
  Parent capacity-cost : 2000 or N/A
=====

```

```

-----
Traffic            Octets              Packets            Flows
-----
Admitted from subscriber: 0                0                0
Denied from subscriber:  0                0                0
Active flows from subscriber:

```

Application Assurance Command Descriptions

```

Admitted to subscriber: 0          0          0
Denied to subscriber: 0          0          0
Active flows to subscriber: 0
Total flow duration: 0 seconds
Terminated flows: 0
Short Duration flows: 0
Medium Duration flows: 0
Long Duration flows: 0

Top App-Groups          Octets          Packets          Flows
-----
<app-group-name>      100000         3000            30
<app-group-name>      90000          3000            30
<app-group-name>      80000          3000            30
=====

A:ALA-IPD#
show application-assurance group 1 aa-sub {esm <sub-ident-string> | sap <sap-id> |
spoke-sdp <sdp-id:vc-id> | transit <transit-aasub-name>} count
MINOR: CLI aa-sub esm|sap|transit <name> has too many flows to obtain real-time
stats, use aa-sub esm|sap|transit|spoke <sub-name> snapshot

A:ALA-IPD# show application-assurance group 1 aa-sub {esm <sub-ident-string> |
sap <sap-id> | spoke-sdp <sdp-id:vc-id> | transit <transit-aasub-name>} snapshot
count
=====
Application-Assurance Subscriber esm|sap|spoke-sdp|transit <name>
Application Group, Application and Protocol Statistics (realtime | snapshot)
=====
Application Group          Disc Octets          Packets          Flows
-----
Games                      0% 0                0                0
Mail                       0% 0                0                0
Peer to Peer               0% 0                0                0
Unknown                    0% 0                0                0
Web                        0% 0                0                0
=====
Application          Disc Octets          Packets          Flows
-----
SIP                  0% 0                0                0
-----
Protocol statistics are not configured in statistics>aa-sub
=====

A:ALA-IPD#

A:ALA-IPD# show application-assurance group 1 aa-sub {esm <sub-ident-string> |
sap <sap-id> | spoke-sdp <sdp-id:vc-id> | transit <transit-aasub-name>}
application count detail
=====
Application-Assurance Subscriber esm|sap|spoke-sdp|transit <name>
Application Statistics (realtime | snapshot)
=====
Subscriber          Application:
Type          Octets          Packets          Flows
-----
name          SIP:
Admitted from subscriber: 0          0          0
Denied from subscriber: 0          0          0
Active flows from subscriber: 0
Admitted to subscriber: 0          0          0

```

Application Assurance Command Descriptions

```
Denied to subscriber:      0                0                0
Active flows to subscriber:                0
Max per min from sub:      1000             10
Max per min to sub:        2000             20
Total flow duration:       0 seconds
Terminated flows:                0
Short Duration flows:          0
Medium Duration flows:         0
Long Duration flows:          0
=====
A:ALA-IPD#
```

aa-sub-list

- Syntax** **aa-sub-list** [*isa mda-id*]
aa-sub-list policers-exceeded
aa-sub-list summary
- Context** show>app-assure>group
- Description** This command displays aa-subscriber lists.
- Parameters** **isa mda-id** — Displays the slot and MDA ID.
- Values** 1 — 10 (depending on chassis model)
1, 2
- policers-exceeded** — Displays the policer resources which are exceeded.
- summary** — Displays summary information.

Sample Output

```
show application-assurance group 1 aa-sub {esm <sub-ident-string> | sap <sap-id>
| spoke-sdp <sdp-id:vc-id> } summary
=====
Application-Assurance Subscriber summary (realtime | snapshot)
=====
AA-Subscriber      : <sub-ident-string> or <sap-id> or <sdp-id:vc-id>
ISA assigned       : <Slot/MDA> Unassigned
App-Profile        : <app-profile-name>
App-Profile divert : Yes or No
capacity-cost      : 100 // for sap/spoke-sdp & esm aa-sub)
Traffic            Octets                Packets                Flows
-----
Admitted from subscriber: 0                0                0
Denied from subscriber:  0                0                0
Active flows from subscriber:                0
Admitted to subscriber:  0                0                0
Denied to subscriber:    0                0                0
Active flows to subscriber:                0
Total flow duration:     0 seconds
Terminated flows:                0
Short Duration flows:          0
Medium Duration flows:         0
Long Duration flows:          0
```

Application Assurance Command Descriptions

Top App-Groups	Octets	Packets	Flows
<app-group-name>	100000	3000	30
<app-group-name>	90000	3000	30
<app-group-name>	80000	3000	30

Application Service Options (ASO)

Characteristic	Value	Derived from
Server	Block	default
ServiceBw	SuperUser	app-profile
Teleworker	Yes	override
VideoBoost	Priority	override

```

Total characteristics      : 4
Total derived from aso defaults : 1
Total derived from app-profile : 1
Total derived from overrides  : 2
  
```

```
*A:Dut-C# show application-assurance group 224:10559 aa-sub-list
```

Application-Assurance Subscriber List for Group 224:10559

type	aa-sub	ISA assigned	App-Profile	divert
sap	1/1/1:113	3/2	prof_224_10559_1	Yes
sap	1/1/1:241	3/2	prof_224_10559_1	Yes
sap	1/1/1:369	3/2	prof_224_10559_1	Yes
sap	1/1/1:497	3/2	prof_224_10559_1	Yes
sap	1/1/4:113	3/2	prof_224_10559_2	Yes
sap	1/1/4:241	3/2	prof_224_10559_2	Yes
sap	1/1/4:369	3/2	prof_224_10559_2	Yes
sap	1/1/4:497	3/2	prof_224_10559_2	Yes

```
Total number of aa-subs found      : 8
```

```
*A:Dut-C#
```

```
*A:Dut-C# show application-assurance group 224:10559 aa-sub-list isa 3/2
```

Application-Assurance Subscriber List for Group 224:10559, isa 3/2

type	aa-sub	ISA assigned	App-Profile	divert
sap	1/1/1:113	3/2	prof_224_10559_1	Yes
sap	1/1/1:241	3/2	prof_224_10559_1	Yes
sap	1/1/1:369	3/2	prof_224_10559_1	Yes
sap	1/1/1:497	3/2	prof_224_10559_1	Yes
sap	1/1/4:113	3/2	prof_224_10559_2	Yes
sap	1/1/4:241	3/2	prof_224_10559_2	Yes
sap	1/1/4:369	3/2	prof_224_10559_2	Yes
sap	1/1/4:497	3/2	prof_224_10559_2	Yes

```
Total number of aa-subs found      : 8
```

Application Assurance Command Descriptions

```
*A:Dut-C#

A:ALA-IPD# show application-assurance group 2 aa-sub-list [isa <mda-id>]
=====
Application-Assurance Subscriber List for Group 2, isa <slot/mda>
=====
type          aa-sub                ISA      App-Profile          divert
                    assigned
-----
group 2:50
-----
esm          Bob                   3/1     Grp2P50appProf1     Yes
esm          Fred                   1/1     Grp2P50appProf2     Yes
sap          1/2/9                 3/1     Grp2P50appProf1     Yes
sap          1/2/10                1/1     Grp2P50appProf2     Yes
spoke-sdp   1:7                   1/1     Grp2P50appProf1     Yes
spoke-sdp   2:101                 3/1     Grp2P50appProf2     Yes
-----
group 2:32656
-----
esm          Alex                   1/1     appProf1             Yes
esm          Sub1                   3/1     Lite                 Yes
esm          Max                    3/1     appProf1             Yes
esm          tcpr_sub              1/1     appProf2             Yes
sap          1/2/5                 3/1     appProf1             Yes
sap          1/2/6                 1/1     appProf1             Yes
sap          2/2/4:111            1/1     Power                Yes
spoke-sdp   1:6                   1/1     appProf1             Yes
spoke-sdp   2:100                 3/1     appProf2             Yes
-----
Number of aa-subs found in group 2:50      : 6
Number of aa-subs found in group 2:32656  : 9
Total number of aa-subs found              : 15
=====
A:ALA-IPD#

A:ALA-IPD# show application-assurance group 2:32656 aa-sub-list [isa <mda-id>]
=====
Application-Assurance Subscriber List for Group 2:32656, isa <slot/mda>
=====
type          aa-sub                ISA      App-Profile          divert
                    assigned
-----
esm          Alex                   1/1     appProf1             Yes
esm          Sub1                   3/1     Lite                 Yes
esm          Max                    3/1     appProf1             Yes
esm          tcpr_sub              1/1     appProf2             Yes
sap          1/2/5                 3/1     appProf1             Yes
sap          1/2/6                 1/1     appProf1             Yes
sap          2/2/4:111            1/1     Power                Yes
spoke-sdp   2:100                 1/1     appProf8             Yes
-----
Number of aa-subs : 8
=====
A:ALA-IPD#
```

aa-sub-study

Syntax	aa-sub-study esm <i>sub-ident-string</i> [snapshot] aa-sub-study sap <i>sap-id</i> aa-sub-study spoke-sdp <i>sdp-id:vc-id</i> [snapshot] aa-sub-study transit <i>transit-aasub-name</i> [snapshot]
Context	show>app-assure>group
Description	This command display per-subscriber special study statistics.
Parameters	esm <i>sub-ident-string</i> — Specifies an existing subscriber identification string. sap <i>sap-id</i> — Specifies the physical port identifier portion of the SAP definition. Refer to Appendix A: Common CLI Command Descriptions on page 811 for syntax. spoke-id <i>sdp-id:vc-id</i> — Specifies the spoke SDP ID and VC ID. Values 1 — 17407 1 — 4294967295 snapshot — Specifies that the statistics retrieved include the sum of the statistics from the previous collection windows, and the statistics for any closed flows since the last collection window. transit <i>transit-aasub-name</i> — Specifies an existing transit subscriber name string.

app-group

Syntax	app-group [<i>app-group-name</i>] count [detail]
Context	show>app-assure>group>aa-sub show>app-assure>group
Description	This command displays per-application-group statistics. System-wide statistics displayed account for all flows completed and the last internal snapshot of the active flows.
Parameters	<i>app-group-name</i> — Displays information about the specified application group name. count — Displays the counters for the application group. detail — Displays detailed information.

Sample Output

```
A:ALU>show>app-assure>group# app-group count
=====
App-group Statistics
=====
Application Group           Disc Octets           Packets           Flows
-----
File Transfer               0% 0                 0                 0
Games                       0% 3865532           4952              144
Infrastructure              0% 174524             1217              1177
Instant Messaging           0% 2979117            9930              97
Local Content               0% 10581539            10942             74
Mail                        0% 57940               346               24
MultiMedia                  0% 76911464            79417             198
NNTP                        0% 0                  0                 0
```

Application Assurance Command Descriptions

```
Peer to Peer          0% 10903442      13901      485
Premium Partner      0% 0              0           0
Remote Connectivity  0% 0              0           0
Server               0% 1097           8           2
Suspect              72% 1012          11          11
Tunneling            0% 19872617       33989       204
Unknown              0% 5243395        27510       2648
Web                  0% 82135303       91828       2152
```

```
-----
A:ALU>show>app-assure>group#
```

```
A:ALU>show>app-assure>group# app-group "MultiMedia" count detail
```

```
=====
App-group "MultiMedia" Statistics
=====
```

```
Application Group:
```

```
Type                Octets                Packets                Flows
```

```
-----
MultiMedia:
```

```
Admitted from subscriber: 193605          1797          23
Denied from subscriber:   0                0             0
Active flows from subscriber:
Admitted to subscriber:   4835822        3366          23
Denied to subscriber:    0                0             0
Active flows to subscriber:
Total flow duration:      433 seconds
Terminated flows:
Short Duration flows:
Medium Duration flows:
Long Duration flows:
Active subscribers:      0
```

```
-----
A:ALU>show>app-assure>group#
```

application

Syntax `application [application-name] count [detail]`

Context `show>app-assure>group>aa-sub`
`show>app-assure>group`
`show>app-assure>group>aa-sub-study`

Description This command displays per-application statistics. The system-wide statistics displayed account for all flows completed and the last internal snapshot of the active flows.

Subscriber statistics are available for special-study subscribers and account for all completed and active flows at the moment of this statistics request.

Parameters *application-name* — Displays information about the specified application name.
count — Displays counter information.
detail — Displays detailed information.

Sample Output

```
A:ALU-ABC>show>app-assure>group# application count
=====
Application Statistics
=====
```

Application	Disc Octets	Packets	Flows
...			
DHT	0% 0	0	0
DNS_53	0% 96781	627	627
DNS_Local	0% 0	0	0
DNS_Server	0% 276	3	3
DNS_Suspect	100% 736	8	8
FTP	0% 0	0	0
...			

```
-----
A:ALU-ABC>show>app-assure>group#

A:ALU-ABC>show>app-assure>group# application "POP3" count detail
=====
Application "POP3" Statistics
=====
```

Type	Octets	Packets	Flows
POP3:			
Admitted from subscriber:	14095	149	10
Denied from subscriber:	0	0	0
Active flows from subscriber:			0
Admitted to subscriber:	30707	128	10
Denied to subscriber:	0	0	0
Active flows to subscriber:			0
Total flow duration:	7 seconds		
Terminated flows:			20
Active subscribers:	0		

```
A:ALU-ABC>show>app-assure>group#

A:ALU>show>app-assure>group# application "HTTP_Video" count detail
=====
Application "HTTP_Video" Statistics
=====
```

Type	Octets	Packets	Flows
HTTP_Video:			
Admitted from subscriber:	369528	5404	36
Denied from subscriber:	0	0	0
Active flows from subscriber:			1
Admitted to subscriber:	15387734	10629	36
Denied to subscriber:	0	0	0
Active flows to subscriber:			1
Total flow duration:	463 seconds		
Terminated flows:			72
Short Duration flows:			66
Medium Duration flows:			6
Long Duration flows:			0
Active subscribers:	1		

```
=====
A:ALU>show>app-assure>group#
```

cflowd

- Syntax** cflowd
- Context** show>app-assure>group
- Description** This command enables the context to display cflowd output.

collector

- Syntax** collector [detail]
- Context** show>app-assure>group>cflowd
- Description** This command enables the context to display cflowd output.

Sample Output

```
A:ALU-A# show application-assurance group 1 cflowd collector
=====
Application Assurance Cflowd Collectors for group 1
=====
Host Address          Port  Version  Admin   Oper    Recs Sent
-----
192.168.7.7           2055   10       up      up      0
192.168.7.8           2055   10       up      up      0
-----
Collectors : 2
-----
A:ALU-A#

A:ALU-A# show application-assurance group 1 cflowd collector detail
=====
Application Assurance Cflowd Collectors for group 1
=====
Address                : 192.168.7.7
Port                   : 2055
Description             : AA Collector 1
Version                : 10
Admin State            : up
Oper State              : up
Records Sent           : 0
Last Changed           : 07/27/2009 13:36:50

Address                : 192.168.7.8
Port                   : 2055
Description             : AA Collector 2
Version                : 10
Admin State            : up
Oper State              : up
Records Sent           : 0
```

Last Changed : 07/27/2009 13:37:10

A:ALU-A#

status

Syntax status
Context show>app-assure>group>cflowd
Description This command display status information.

Sample Output

```
A:ALU-A# show application-assurance group 1 status [isa 1/2] cflowd
=====
Application-Assurance Group Cflowd Status
=====
Cflowd Admin Status : Enabled
Cflowd Oper Status  : Enabled
-----
Volume :
-----
Sample Rate          : <Disabled> or <1 in 500 packets>
Active Flows         : 23102
Records Reported     : 12345
Records Dropped      : 10
Records Per Second   : 45
Packets Sent         : 1763
Packets Sent Per Sec : 7
-----
TCP Performance :
-----
Sample Rate          : <Disabled> or <1 in 1000 flows>
Active Flows         : 32103
Flows Not Allocated  : 33
Records Reported     : 12345678
Records Dropped      : 100
Records Per Second   : 456
Packets Sent         : 2057613
Packets Sent Per Sec : 76
=====
A:ALU-A#

A:ALU-A#show application-assurance group <aa-group-id:[partition]> cflowd status
=====
Application-Assurance Group:Partition Cflowd Status
=====
-----
Volume :
-----
Admin State          : Up
Records Reported     : 12345
Records Dropped      : 10
-----
```

Application Assurance Command Descriptions

```
TCP Performance :
-----
Admin State      : Up
Flows Not Allocated : 33
Records Reported  : 12345678
Records Dropped   : 100
=====
```

```
A:ALU-A#
```

count

Syntax	count [detail]
Context	show>app-assure>group>aa-sub
Description	This command displays per-subscriber app-group application and protocol statistics.
Parameters	detail — Displays detailed information.

Sample Output

```
A:ALU>show>app-assure>group>aa-sub# count
=====
Application-Assurance Subscriber TestSubscriberName
Application Group, Application and Protocol Statistics
=====
Application Group          Disc Octets          Packets          Flows
-----
Database                   0% 0                 0                 0
File Transfer               0% 27243              169                22
Games                       0% 0                  0                 0
Infrastructure              0% 71494              555                515
Instant Messaging          0% 4947792            25587              411
Local Content               0% 923                 8                  2
Mail                        0% 53729              318                22
Mail Server                 0% 0                  0                 0
MultiMedia                  0% 31670667           33087              142
NNTP                        0% 0                  0                 0
Peer to Peer                .45% 11096224         16339              2431
Premium Partner             0% 0                  0                 0
Remote Connectivity         0% 15321              171                2
Server                      0% 0                  0                 0
Suspect                     72% 1012              11                 11
Tunneling                   0% 19659289           33535              164
Unknown                     0% 1945164            6317               287
Web                         0% 29538078           34873              1022
Web Server                  0% 0                  0                 0
=====
Application                Disc Octets          Packets          Flows
-----
HTTP_Local                  0% 923                 8                  2
=====
Protocol                    Disc Octets          Packets          Flows
-----
dns                         1.8% 40010            277                277
=====
```

Application Assurance Command Descriptions

A:ALU>show>app-assure>group>aa-sub#

A:ALU>show>app-assure>group>aa-sub# count detail

=====
 Application-Assurance Subscriber TestSubscriberName
 Application Group, Application and Protocol Statistics
 =====

Subscriber Type	Octets	Application Group: Packets	Flows

TestSubscriberName		Instant Messaging:	
Admitted from subscriber:	2558576	12720	229
Denied from subscriber:	0	0	0
Active flows from subscriber:			0
Admitted to subscriber:	2389216	12867	182
Denied to subscriber:	0	0	0
Active flows to subscriber:			0
Total flow duration:	2912 seconds		
Terminated flows:			411
Short Duration flows:			387
Medium Duration flows:			22
Long Duration flows:			2

...

TestSubscriberName		Web:	
Admitted from subscriber:	2343429	22806	511
Denied from subscriber:	0	0	0
Active flows from subscriber:			1
Admitted to subscriber:	56359191	40528	511
Denied to subscriber:	0	0	0
Active flows to subscriber:			1
Total flow duration:	4783 seconds		
Terminated flows:			1020
Short Duration flows:			989
Medium Duration flows:			31
Long Duration flows:			0

Subscriber Type	Octets	Application: Packets	Flows

TestSubscriberName		HTTP_Local:	
Admitted from subscriber:	0	0	0
Denied from subscriber:	0	0	0
Active flows from subscriber:			0
Admitted to subscriber:	0	0	0
Denied to subscriber:	0	0	0
Active flows to subscriber:			0
Total flow duration:	0 seconds		
Terminated flows:			0
Short Duration flows:			0
Medium Duration flows:			0
Long Duration flows:			0

Subscriber Type	Octets	Protocol: Packets	Flows

TestSubscriberName		dns:	
Admitted from subscriber:	0	0	0
Denied from subscriber:	0	0	0
Active flows from subscriber:			0
Admitted to subscriber:	0	0	0

Application Assurance Command Descriptions

```
Denied to subscriber:      0                0                0
Active flows to subscriber:                0
Total flow duration:      0 seconds
Terminated flows:                0
Short Duration flows:                0
Medium Duration flows:                0
Long Duration flows:                0
=====
A:ALU>show>app-assure>group>aa-sub#
```

admin

Syntax **admin**

Context show>app-assure>group>policy

Description This command displays the application-assurance policy uncommitted changes.

Sample Output

```
*A:ALA-48>show>app-assure>group>policy# admin
      begin
      app-filter
        entry 10 create
          shutdown
        exit
      exit
      app-qos-policy
        entry 10 create
          shutdown
        exit
      exit
      commit
*A:ALA-48>show>app-assure>group>policy#
```

app-filter

Syntax **app-filter** [*entry-id*]

Context show>app-assure>group>policy

Description This command displays application-assurance policy filter information.

Parameters *entry-id* — Specifies an existing application filter entry.

Values 1 — 65535

app-group

Syntax **app-group** [*app-group-name*]

Context show>app-assure>group>policy

Description This command displays application-assurance policy application group information.

app-profile

Syntax **app-profile** [*app-prof-name*]
app-profile *app-prof-name* **associations**

Context show>app-assure>group>policy

Description This command displays application-assurance policy application profile information.

Parameters *app-prof-name* — Specifies an existing application profile name.
associations — Displays subscriber management associations.

app-qos-policy

Syntax **app-qos-policy** [*entry-id*]

Context show>app-assure>group>policy

Description This command displays application-assurance policy application QoS policy information.

Parameters *entry-id* — Specifies an existing applicatin QoS policy entry id.

Values 1 — 65535

app-service-option

Syntax **app-service-option** [*characteristic-name*]

Context show>app-assure>group>policy

Description This command displays application-assurance policy application service option information.

application

Syntax **application** [*app-name*]

Context show>app-assure>group>policy

Description This command displays application-assurance policy application information.

custom-protocol

Syntax **custom-protocol**

Application Assurance Command Descriptions

Context show>app-assure>group>policy
Description This command displays application-assurance policy custom protocol information.

summary

Syntax summary
Context show>app-assure>group>policy
Description This command displays application-assurance policy summary information.

policers

Syntax policers
Context show>app-assure>group>policy>aa-sub
Description This command displays policer configuration information.

Sample Output

```
A:cpm-a>show>app-assure>group>aa-sub# policers
=====
Application-Assurance Subscriber Policer Summary
=====
AA-Subscriber      : Alex (esm)
-----
Type: single-bucket-bandwidth Direction: subscriber-to-network
-----
AQP  Policer                               Resources Exceeded?
-----
61   SuspectUp_policer                      N
-----
Type: single-bucket-bandwidth Direction: network-to-subscriber
-----
AQP  Policer                               Resources Exceeded?
-----
62   SuspectDown_policer                    N
-----
Policer usage counts:
single-bucket-bandwidth
  subscriber-to-network 1    out of 32
  network-to-subscriber 1    out of 32
dual-bucket-bandwidth
  subscriber-to-network 0    out of 1
  network-to-subscriber 0    out of 1
flow-count-limit        0    out of 8
flow-rate-limit         0    out of 8
=====
A:cpm-a>show>app-assure>group>aa-sub#
```

summary

Syntax	summary
Context	show>app-assure>group>policy show>app-assure>group>aa-sub
Description	This command displays application-assurance policy summary information.

protocol

Syntax	protocol [<i>protocol-name</i>] count [detail]
Context	show>app-assure>group>aa-sub show>app-assure>group
Description	This command displays per-protocol statistics. The system-wide statistics displayed account for all flows completed and the last internal snapshot of the active flows. Subscriber statistics are available for special study subscribers and account for all completed and active flows at the moment of this statistics request.
Parameters	<i>protocol-name</i> — Displays information about the specified protocol name. count — Displays protocol counters. detail — Displays detailed information.

Sample Output

```
A:ALU>show>app-assure>group# protocol count
=====
Protocol Statistics
=====
```

Protocol	Disc Octets	Packets	Flows
aim_oscar	0% 0	0	0
aim_oscar_file_xfer	0% 0	0	0
aim_oscar_video_voice	0% 0	0	0
aim_toc	0% 0	0	0
bittorrent	0% 0	0	0
...			

```

A:ALU>show>app-assure>group# protocol "http_audio" count detail
=====
Protocol "http_audio" Statistics
=====
```

Protocol:	Octets	Packets	Flows
Type			
http_audio:			
Admitted from subscriber:	14958	201	2
Denied from subscriber:	0	0	0
Active flows from subscriber:			0
Admitted to subscriber:	587590	396	2

Application Assurance Command Descriptions

```
Denied to subscriber:      0                0                0
Active flows to subscriber:                0
Total flow duration:      21 seconds
Terminated flows:                4
Short Duration flows:                4
Medium Duration flows:                0
Long Duration flows:                0
Active subscribers:        1
=====
A:ALU>show>app-assure>group#
```

session-filter

- Syntax** **session-filter**
session-filter *session-filter-name*
- Context** show>app-assure>group
- Description** This command displays session filter information.
- Parameters** *session-filter-name* — Specifies a session-filter-name up to 32 characters.

Sample Output

```
show application-assurance group <aa-group-id>[:<partition>] session-filter <filter-
name>
# session-filter<filter-id>
=====
AA Session Filter
=====
Filter Name   : Block UDP Session Initiation
Applied      : Yes                               Def. Action   : Permit
Entries      : 1
Description  : Block UDP initiated towards subscribers
-----
Filter Match Criteria
-----
Entry        : 1
Description  : (Not Specified)
Protocol     : 17
Action       : deny
Hit Count    : 0 pkts
=====
```

summary

- Syntax** **summary**
- Context** show>app-assure>group>aa-sub
- Description** This command displays a summary of statistics for a specific aa-sub.

Sample Output

```

A:ALU>show>app-assure>group>aa-sub# summary
=====
Application-Assurance Subscriber Summary
=====
AA-Subscriber      : TestSubscriberName
ISA assigned       : 3/2
App-Profile        : Power_Profile
App-Profile divert : Yes

-----
Traffic              Octets              Packets              Flows
-----
Admitted from subscriber: 7092548              52935              2843
Denied from subscriber:  51160              617              374
Active flows from subscriber:
Admitted to subscriber:  73705675              73538              1453
Denied to subscriber:    0              0              0
Active flows to subscriber:
Total flow duration:    12750 seconds
Terminated flows:
Short Duration flows:
Medium Duration flows:
Long Duration flows:

-----
Top App-Groups              Octets              Packets              Flows
-----
MultiMedia                  29060053              29961              138
Tunneling                   19659289              33535              164
Web                         14856331              19829              932
=====
A:ALU>show>app-assure>group>aa-sub#

```

status

Syntax

```

status [isa mda-id] cflowd
status [isa mda-id]
status [isa mda-id] detail
status [isa mda-id] cpu [sample-period seconds]
status [isa mda-id] qos count
status [isa mda-id] qos pools

```

Context show>app-assure>group

Description This command displays system statistics.

Parameters **isa** — Displays information about the specified AA ISA.

cflowd — Displays cflowd status information.

detail — Displays detailed status information.

cpu [*sample-period seconds*] — Displays cpu utilization info about the specified AA ISA. The **isa mda-id** must be specified. The sample period can be specified within a range of 1 5 seconds (default 1s).

Values 1 — 5

qos count — Displays information about queue statistics. The **isa mda-id** must be specified.

qos pools — Displays information about pool utilization. The **isa mda-id** must be specified.

Sample Output

```
A:ALU>show>app-assure>group# status
=====
Application-assurance Status
=====
Last time change affecting status: 01/30/2009 20:14:37
Active Subs                : 1
-----
                Packets                Octets
-----
Diverted traffic      : 58783                46140537
Diverted discards     : 4                    0
Entered ISA-AAs       : 58784                46140614
Discarded in ISA-AAs  : 60                    4620
Exited ISA-AAs        : 58724                46135994
Returned discards     : 0                    0
Returned traffic      : 58724                46135994
=====
A:ALU>show>app-assure>group#
```

```
A:ALU>show>app-assure>group# status detail
=====
Application-assurance Status
=====
Last time change affecting status: 01/30/2009 20:14:37
Number of Active ISAs    : 2
Flows                    : 2364
Active Flows             : 41
Flow Setup Rate          : 2 per second
Traffic Rate              : 1 Mbps
AA-Subs Downloaded       : 30
Active Subs              : 1
-----
                Packets                Octets
-----
Diverted traffic      : 60744                47206604
Diverted discards     : 4                    0
  Congestion          : 0                    0
  Errors              : 4                    N/A
Entered ISA-AAs       : 60745                47206968
Buffered in ISA-AAs   : 0                    0
Discarded in ISA-AAs  : 164                12759
  Policy              : 164                12759
  Congestion          : 0                    0
  Errors              : 0                    0
Errors (policy bypass) : 1                    60
Exited ISA-AAs        : 60581                47194209
Returned discards     : 0                    0
  Congestion          : 0                    0
  Errors              : 0                    N/A
Returned traffic      : 60580                47193845
=====
```

Application Assurance Command Descriptions

A:ALU>show>app-assure>group#

```
=====
Application-Assurance Status
=====
```

```
Last time change affecting status : 09/28/2012 14:19:05
Number of Active ISAs             : 1
Flows                             : 62
Flow Resources In Use             : 0
AA-Subs Created                   : 200
AA-Subs Deleted                   : 149
AA-Subs Modified                  : 3
Seen-IP Requests Sent            : 0
Seen-IP Requests Dropped         : 0
```

```
-----
```

	Current	Average	Peak
Active Flows	: 0	0	16
Flow Setup Rate (per second)	: 0	0	1
Traffic Rate (Mbps)	: 0	0	0
Packet Rate (per second)	: 0	0	6
AA-Subs Downloaded	: 51	51	51
Active Subs	: 0	0	1

A:ALU>show>app-assure>group# status isa 3/2 qos count

```
=====
Application-assurance Queue Statistics for ISA-AA Group: 1, isa 3/2
=====
```

```
-----
Egress From-Subscriber
```

	Packets	Octets
Queue 1		
In Profile forwarded :	0	0
In Profile dropped :	0	0
Out Profile forwarded :	28940	3767233
Out Profile dropped :	0	0
Queue 2		
In Profile forwarded :	0	0
In Profile dropped :	0	0
Out Profile forwarded :	0	0
Out Profile dropped :	0	0

```
Egress To-Subscriber
```

	Packets	Octets
Queue 1		
In Profile forwarded :	0	0
In Profile dropped :	0	0
Out Profile forwarded :	44499	53066848
Out Profile dropped :	0	0
Queue 2		
In Profile forwarded :	0	0
In Profile dropped :	0	0
Out Profile forwarded :	0	0
Out Profile dropped :	0	0

```
Ingress From-Subscriber
```

	Packets	Octets
Queue 1		
In Profile forwarded :	25548	3361023
In Profile dropped :	0	0
Out Profile forwarded :	1	60

Application Assurance Command Descriptions

```

Out Profile dropped      :    0
Queue 2                  :    0
                        Packets
In Profile forwarded    : 2921
                        : 365606
In Profile dropped      :    0
Out Profile forwarded   :    0
Out Profile dropped     :    0
Queue 9                  :    0
                        Packets
In Profile forwarded    :    0
In Profile dropped      :    0
Out Profile forwarded   :    0
Out Profile dropped     :    0
Queue 10                 :    0
                        Packets
In Profile forwarded    :    0
In Profile dropped      :    0
Out Profile forwarded   :    0
Out Profile dropped     :    0

Ingress To-Subscriber
Queue 1                  :    0
                        Packets
In Profile forwarded    : 39541
                        : 46899769
In Profile dropped      :    0
Out Profile forwarded   :    1
                        : 92
Out Profile dropped     :    0
Queue 2                  :    0
                        Packets
In Profile forwarded    : 5050
                        : 6291204
In Profile dropped      :    0
Out Profile forwarded   :    0
Out Profile dropped     :    0
Queue 9                  :    0
                        Packets
In Profile forwarded    :    0
In Profile dropped      :    0
Out Profile forwarded   :    0
Out Profile dropped     :    0
Queue 10                 :    0
                        Packets
In Profile forwarded    :    0
In Profile dropped      :    0
Out Profile forwarded   :    0
Out Profile dropped     :    0
=====
A:ALU>show>app-assure>group#

A:ALU>show>app-assure>group# status isa 3/2 qos pools
=====
Pool Information
=====
MDA                      : 3/2
Application               : Net-Ing           Pool Name           : default
Resv CBS                  : 50%
-----
Utilization               State      Start-Avg   Max-Avg     Max-Prob
-----
High-Slope                Up        70%         90%         80%
Low-Slope                 Up        50%         75%         80%

Time Avg Factor          : 7
Pool Total               : 40960 KB
Pool Shared              : 20480 KB           Pool Resv            : 20480 KB

High Slope Start Avg    : 12288 KB           High slope Max Avg   : 16384 KB
Low Slope Start Avg     : 10240 KB           Low slope Max Avg    : 14336 KB

```


Application Assurance Command Descriptions

Pool Total In Use : 0 KB
 Pool Shared In Use : 0 KB
 WA Shared In Use : 0 KB

Pool Resv In Use : 0 KB

Hi-Slope Drop Prob : 0 Lo-Slope Drop Prob : 0

FC-Maps Q-Grp	Dest Q-Id	MBS CBS	Depth	A.CIR O.CIR	A.PIR O.PIR
be af l1 h2 ef h1 nc	5/*	20480	0	8000000	20000000
	1	1280		8000000	Max
be af l1 h2 ef h1 nc	4/*	20480	0	8000000	20000000
	1	1280		8000000	Max
be af l1 h2 ef h1 nc	3/1	20480	0	8000000	20000000
	1	1280		8000000	Max
be af l1 h2 ef h1 nc	2/1	20480	0	8000000	20000000
	1	1280		8000000	Max
be af l1 h2 ef h1 nc	1/1	20480	0	8000000	20000000
	1	1280		8000000	Max
be af l1 h2 ef h1 nc	5/*	20480	0	8000000	20000000
	1	1280		8000000	Max
be af l1 h2 ef h1 nc	4/*	20480	0	8000000	20000000
	1	1280		8000000	Max

...

Pool Information

Port : 3/2/fm-sub
 Application : Net-Egr Pool Name : default
 Resv CBS : 50%

Queue-Groups

Utilization	State	Start-Avg	Max-Avg	Max-Prob
High-Slope	Up	70%	90%	80%
Low-Slope	Up	50%	75%	80%

Time Avg Factor : 7
 Pool Total : 12288 KB
 Pool Shared : 6144 KB Pool Resv : 6144 KB

High Slope Start Avg : 4096 KB High slope Max Avg : 5120 KB
 Low Slope Start Avg : 3072 KB Low slope Max Avg : 4096 KB

Pool Total In Use : 0 KB
 Pool Shared In Use : 0 KB
 WA Shared In Use : 0 KB

Pool Resv In Use : 0 KB

Hi-Slope Drop Prob : 0 Lo-Slope Drop Prob : 0

FC-Maps Q-Grp	ID Q-Id	MBS CBS	Depth	A.CIR O.CIR	A.PIR O.PIR
be af l1 h2 ef h1 nc	3/2/fm-*	8192	0	4000000	10000000
	1	5120		4000000	5000000
l2	3/2/fm-*	6144	0	6000000	10000000
	2	3584		5000000	5000000

Pool Information

Application Assurance Command Descriptions

```

=====
Port           : 3/2/to-sub
Application    : Net-Egr           Pool Name      : default
Resv CBS      : 50%
-----
Queue-Groups
-----
Utilization           State      Start-Avg   Max-Avg     Max-Prob
-----
High-Slope           Up             70%        90%         80%
Low-Slope            Up             50%        75%         80%

Time Avg Factor      : 7
Pool Total           : 24576 KB
Pool Shared          : 12288 KB           Pool Resv      : 12288 KB

High Slope Start Avg : 8192 KB           High slope Max Avg : 10240 KB
Low Slope Start Avg  : 6144 KB           Low slope Max Avg  : 8192 KB

Pool Total In Use    : 0 KB
Pool Shared In Use   : 0 KB           Pool Resv In Use   : 0 KB
WA Shared In Use     : 0 KB

Hi-Slope Drop Prob   : 0           Lo-Slope Drop Prob : 0
-----
FC-Maps           ID      MBS      Depth  A.CIR  A.PIR
  Q-Grp          Q-Id    CBS
-----
be af l1 h2 ef h1 nc      3/2/to-* 16384    0      4000000 10000000
                             1         10240    0      4000000  Max
12                          3/2/to-* 12288    0      6000000 10000000
                             2         7168     0      6000000  Max
=====
A:ALU>show>app-assure>group#

```

transit-ip-policy

- Syntax** **transit-ip-policy** *ip-policy-id*
transit-ip-policy summary
transit-ip-policy *ip-policy-id summary*
- Context** **show>app-assure>group**
- Description** This command displays transit IP policy information.
- Parameters** *ip-policy-id* — Displays information for the specified IP policy.
- Values** 1 — 65535
- summary** — Displays summarized information.

transit-prefix-policy

- Syntax** **transit-prefix-policy** *transit-prefix-policy-id*

transit-prefix-policy summary
transit-prefix-policy *transit-prefix-policy-id* **summary**

Context	show>app-assure>group
Description	This command displays transit prefix policy information.
Parameters	<i>transit-prefix-policy-id</i> — Displays information for the specified transit prefix policy.
	Values 1 — 65535
	summary — Displays summarized information.

url-filter

Syntax	url-filter <i>url-filter-name</i> url-filter <i>url-filter-name</i> isa <i>card/mda</i> url-filter <i>url-filter-name</i> isa <i>card/mda</i> detail
Context	show>app-assure>group
Description	This command displays information about the configured url-filter policy along with some associated raw statistics. These output statistics are: <ul style="list-style-type: none"> • Vlan Id: Vlan id used by the aa interface(s) • Amin Status: Up / Down • Oper Status: Up / Down • Oper Flags: adminDown, no-aa-if, aa-if-down, icap-server-down • Default Action: default policy action taken by the url-filter • ICAP HTTP Redirect: HTTP redirect Policy • AQP Referenced: Yes/No • HTTP Request: Number of subscriber HTTP requests • HTTP Errors: Impossible to send an ICAP request, this can be caused by either no TCP connection available, associated flow with a drop action due to another aqp policy, system resource exhausted • ICAP Request: Number of ICAP request sent • ICAP Errors: ICAP request timeout, unexpected ICAP response, internal TCP errors. <p>In addition to these counters the system will count the type of action taken by the url-filter policy (allow, block, redirect, default) as well as the type of responses received from the icap server (allow, block, redirect, late).</p>
Parameters	<i>url-filter-name</i> — Specifies the name of the url-filter policy. <i>card/mda</i> — Specifies the card/mda reference of the ISA card. detail — Specifies detailed statistics related to the ISA card .

Output

```
A:7750# show application-assurance group 1 url-filter "optenet1"
=====
```

Application Assurance Command Descriptions

```
Application Assurance Group 1 URL Filter "optenet1"
=====
Description          : (Not Specified)
Vlan Id              : 10
Admin Status         : Up
Oper Status          : Up
Oper Flags           :

Default Action       : allow
ICAP HTTP Redirect   : http-redirect-portal
AQP Referenced       : Yes

-----

Total Connection Stats
-----
HTTP Requests       : 17
HTTP Req Errors     : 0
ICAP Requests       : 17
ICAP Req Errors     : 0

HTTP Response Actions
  Allow              : 17
  Block              : 0
  Redirect           : 0
  Default            : 0
ICAP Responses
  Allow              : 17
  Block              : 0
  Redirect           : 0
  Late ICAP Resp    : 0

=====

A:Dut-D# show application-assurance group 1 url-filter "optenet1" isa 1/2
=====
Application Assurance Group 1 URL Filter "optenet1" ISA 1/2
=====
Description          : (Not Specified)
Vlan Id              : 10
Admin Status         : Up
Oper Status          : Up
Oper Flags           :

Default Action       : allow
ICAP HTTP Redirect   : http-redirect-portal
AQP Referenced       : Yes

AA Interface         : aa-if1
Service              : IES 1
SAP Id               : 1/2/aa-svc:10
ICAP Client IP       : 172.16.2.0/31

-----

ISA 1/2 Connection Stats
-----
HTTP Requests       : 17
HTTP Req Errors     : 0
ICAP Requests       : 17
ICAP Req Errors     : 0

HTTP Response Actions
  Allow              : 17
  Block              : 0
  Redirect           : 0
  Default            : 0
ICAP Responses
  Allow              : 17
  Block              : 0
  Redirect           : 0
  Late ICAP Resp    : 0

-----

ISA 1/2 ICAP Connection Stats
-----
ICAP Server          Oper      Request Rate   Round Trip
                    Status      (per second)   (microsecond)
```

```
-----
172.16.1.101                               Up                               0                               996
-----
```

```
A:Dut-D# show application-assurance group 1 url-filter "optenet1" isa 1/2 detail
```

```
-----
Application Assurance Group 1 URL Filter "optenet1" ISA 1/2
-----
```

```
Description      : (Not Specified)
Vlan Id          : 10
Admin Status     : Up
Oper Status      : Up
Oper Flags       :

Default Action   : allow
ICAP HTTP Redirect : http-redirect-portal
AQP Referenced   : Yes

AA Interface     : aa-if1
Service         : IES 1
SAP Id          : 1/2/aa-svc:10
ICAP Client IP   : 172.16.2.0/31
```

```
-----
ISA 1/2 Connection Stats
-----
```

```
HTTP Requests   : 17
HTTP Req Errors : 0
ICAP Requests   : 17
ICAP Req Errors : 0

HTTP Response Actions
  Allow         : 17
  Block         : 0
  Redirect      : 0
  Default       : 0
ICAP Responses
  Allow         : 17
  Block         : 0
  Redirect      : 0
  Late ICAP Resp : 0
```

```
-----
ICAP Server 172.16.1.101 ISA 1/2
-----
```

```
Description      : (Not Specified)
Admin Status     : Up
Oper Status      : Up
Oper Flags       :

Established Connections : 10 of 10 connections
Connection Utilization  : 0%
Request Rate           : 0 per second
Round Trip Time        : 996 microseconds
-----
```

charging-group

Syntax **charging-group** *charging-group-name*

Context show>app-assure>group

Description This command displays application-assurance group charging group information.

Application Assurance Command Descriptions

Parameters *charging-group-name* — Specifies an existing charging group.

charging-group

Syntax **charging-group** *charging-group-name* **count** [**detail**]
charging-group

Context show>app-assure>group>aa-sub

Description This command displays per-charging-group statistics. System-wide statistics displayed account for all flows completed and the last internal snapshot of the active flows.

Parameters *charging-group-name* — Displays information about the specified charging group name.
count — Displays the counters for the charging group.
detail — Displays detailed information.

http-notification

Syntax **http-notification** *http-notification-name*

Context show>app-assure>group

Description This command displays information about the configured http-notification policy with associated raw statistics:

- Template: Template Id in use
- Script URL: URL address of the script used in the notification message
- Admin Status: Up / Down
- AQP Referenced: Yes/No
- Notified: Total number of notifications sent
- Notification criteria selection not matched: Number of HTTP request not matching the selection criteria for in browser notification

Parameters *http-notification-name* — Displays the name of the http-notification policy.

Output

```
A:7750# show application-assurance group 1 http-notification "in-browser-notification"
```

```
=====  
Application Assurance Group 1 HTTP Notification "in-browser-notification"  
=====
```

```
Description : IBN Demo ALU Message  
Template    : 1 - Javascript-url with subId and optional Http-Url-Param  
Script URL  : http://1.1.1.1/In-Browser-Notification/script.js  
Admin Status : Up  
AQP Ref     : Yes
```

	Notified	Notification Selection Criteria Not Matched
1:1	3	0
1:2	2	0
1:3	0	0
1:4	0	0
1:5	0	0
Total	5	0

http-notification

Syntax `http-notification http-notification-name summary`

Context `show>app-assure>group`

Description This command displays information about the configured http-notification policy with associated raw statistics summed over all partitions.

- Template: Template Id in use
- Script URL: URL address of the script used in the notification message
- Admin Status: Up / Down
- AQP Referenced: Yes/No
- Notified: Total number of notifications sent
- Notification criteria selection not matched: Number of HTTP request not matching the selection criteria for in browser notification

Parameters `http-notification-name` — Displays the name of the http-notification policy.

Output

```
A:Dut-D# show application-assurance group 1 http-notification "in-browser-notification" summary
```

```
=====  
Application Assurance Group 1 HTTP Notification "in-browser-notification"  
=====
```

```
Description : IBN Demo ALU Message  
Template    : 1 - Javascript-url with subId and optional Http-Url-Param  
Script URL  : http://1.1.1.1/In-Browser-Notification/script.js  
Admin Status : Up  
AQP Ref     : Yes
```

	Notified	Notification Selection Criteria Not Matched
Total	5	0

partition

Syntax	partition summary
Context	show>app-assure>group
Description	This command displays partition information.
Parameters	summary — Displays partition summary information.

policer

Syntax	policer policer <i>policer-name</i> [detail] policer summary
Context	show>app-assure>group
Description	This command displays application-assurance policer information.
Parameters	<i>policer-name</i> — Displays information about the specified policer. summary — Displays summarized information about policers on this node.

Sample Output

```
show application-assurance group 1 policer <policer-name> detail
=====
Policer Instance "1m-dwn"
=====
Description      : (Not Specified)
Type             : dual-bucket-bandwidth
Granularity      : subscriber
Adaptation Rule  : pir closest cir closest

Active tod-override : none

PIR : max           Oper PIR : max
CIR : 0 kbps        Oper CIR : 0 kbps
MBS : 20000 KB      Oper MBS : 20000 KB
CBS : 0 KB          Oper CBS : 0 KB

No. of tod-overrides : 2
-----
Time of Day Override Instance 10
-----
Description : (Not Specified)
Admin State : in-service

Occurrence : daily (monday tuesday wednesday thursday friday)
Start time  : 19:00
End time    : 22:00
```



```

PIR          : max
CIR          : 0 kbps
MBS          : 10000 KB
CBS          : 0 KB
-----
Time of Day Override Instance 20
-----
Description  : (Not Specified)
Admin State  : in-service

Occurrence  : daily (sunday saturday)
Start time   : 19:00
End time     : 22:00

PIR          : max
CIR          : 0 kbps
MBS          : 5000 KB
CBS          : 0 KB
=====

```

policy

- Syntax** **policy**
- Context** show>app-assure>group
- Description** This command enables the context to display application-assurance policy configuration information.

http-error-redirect

- Syntax** **http-error-redirect**
- Context** show>app-assure
- Description** This command enables the context to display http-error-redirect static definitions.

Sample Output

```

*A:cses-E11>show application-assurance group 1 http-error-redirect <redirect-name>
=====
Application-Assurance Group 1 http-error-redirect <redirect-name>
=====
description      : <description-string>
template         : <template-id>
                  : text description of template
participant-id   : <string>
http-host        : <http-host-name>
error code       : <http-error-code>      custom-msg-size : <msg size>
admin status     : Up
-----

```

Application Assurance Command Descriptions

```
Grp:Part  Error      Redirects      Redirects Not Sent
          Code       Sent           > Custom      Out ofFile      Error
                               size  Resourcetype
-----
1:1        404        1250           52             10             10
1:56789    404        2000           952            81             01
-----
Total                3250          1004           91             1             1
-----
=====
*A:cses-E11>
```

error-codes

- Syntax** `error-codes`
- Context** `show>app-assure>http-redirect#`
- Description** This command displays http-error-redirect error-codes.

Sample Output

```
*A:cses-E11>show application-assurance http-error-redirect error-codes
=====
Application-Assurance http-error-redirect error-codes
=====
Code      Description                                     Default custom-msg-size
-----
404       Not found                                       1024
=====
*A:cses-E11>
```

template

- Syntax** `template`
- Context** `show>app-assure>http-redirect#`
- Description** This command displays http-error-redirect template information.

Sample Output

```
*A:cses-E11>show application-assurance http-error-redirect template
=====
Application-Assurance http-error-redirect templates
=====
ID      Description
-----
1       Template suited for Barefruit landing server.  Includes participant-id.
2       Template suited for Xerocole landing server.
=====
*A:cses-E11>
```

protocol

Syntax	protocol [<i>protocol-name</i>] protocol [<i>protocol-name</i>] detail
Context	show>app-assure
Description	This command displays application-assurance policy protocols loaded from the isa-aa.tim file.
Parameters	<i>protocol-name</i> — Displays all protocols from the isa-aa.tim file. detail — Displays detailed information about the specified protocol name.

Sample Output

```
A:ALU-ABC>show>app-assure# protocol
=====
Application Assurance Protocols
=====
                        Protocol : Description
-----
                        aim_oscar : America Online Oscar Instant Messaging.
                        aim_oscar_file_xfer : America Online Oscar File Transfer.
                        aim_oscar_video_voice : America Online Oscar Video and Voice
                                                Traffic.
                        aim_toc : America Online Talk to Oscar Instant
                                                Messaging.
                        bittorrent : BitTorrent peer to peer protocol.
                        ...
A:ALU-ABC>show>app-assure#

A:ALU-ABC>show>app-assure# protocol tftp
=====
Application Assurance Protocols
=====
                        Protocol : Description
-----
                        tftp : IETF RFC 1350: Trivial File Transfer
                                                Protocol.
=====
A:ALU-ABC>show>app-assure#
```

radius-accounting-policy

Syntax	radius-accounting-policy [<i>rad-acct-plcy-name</i>] radius-accounting-policy <i>rad-acct-plcy-name</i> associations radius-accounting-policy <i>rad-acct-plcy-name</i> statistics
Context	show>app-assure
Description	This command displays RADIUS accounting policy information.
Parameters	<i>rad-acct-plcy-name</i> — Specifies the RADIUS accounting policy. associations — Specifies to show what contexts are associated with this policy.

statistics — Specifies to show statistics related to this policy.

version

Syntax	version
Context	show>app-assure
Description	This command displays the versions of the isa-aa.tim used by the CPM and the AA ISAs.

Sample Output

```
A:ALU>show>app-assure# version
=====
Versions of isa-aa.tim in use
=====
CPM           : TiMOS-M-7.0.R4
1/1           : TiMOS-I-7.0.R1
2/1           : TiMOS-I-7.0.R1
3/2           : TiMOS-I-7.0.R1
=====
A:ALU>show>app-assure#
```

aa-sub-using

Syntax	aa-sub-using aa-sub-using app-profile app-profile-name
Context	show>service
Description	This command displays application subscriber information.
Parameters	<i>app-profile-name</i> — Specifies the application profile name.

app-profile

Syntax	app-profile app-profile-name
Context	show>service>sap-using
Description	This command displays information about SAPs using the specified application profile.
Parameters	<i>app-profile-name</i> — Specifies an existing application profile name created in the config>app-assure>group>policy context.

Sample Output

```
*A:ALA-48# show service sap-using app-profile test
=====
Service Access Point Using Application Profile 'test'
```

```

=====
PortId                SvcId      Ing.  Ing.  Egr.  Egr.  Adm  Opr
                   QoS      QoS  Fltr  QoS   Fltr
-----
1/1/18:0              89         1    none  1     none  Up   Down
-----
Number of SAPs : 1
-----
*A:ALA-48#
=====

```

sdp-using

- Syntax** **sdp-using** [*sdp-id*[:*vc-id*]]**far-end** *ip-address*
sdp-using app-profile *app-profile-name*
- Context** show>service
- Description** This command displays services using SDP or far-end address options.
- Parameters** *sdp-id* — Displays only services bound to the specified SDP ID.
Values 1 — 17407
- vc-id* — The virtual circuit identifier.
Values 1 — 4294967295
- far-end** *ip-address* — Displays only services matching with the specified far-end IP address.
Default Services with any far-end IP address.
- app-profile** *app-profile-name* — Specifies the application profile name.

Tools Commands

aarp

Syntax	aarp <i>aarpId</i> event-history [clear]		
Context	tools>dump>application-assurance		
Description	This command dumps application-assurance AARP information for a specified instance.		
Parameters	<i>aarpId</i> — Specifies the AARP ID. <table> <tr> <td>Values</td> <td>1 — 65535</td> </tr> </table> <i>event-history</i> — Dumps historical information for the instance. clear — Specifies to clear the event history after reading.	Values	1 — 65535
Values	1 — 65535		

group

Syntax	group <i>aa-group-id[:partition-id]</i>
Context	tools>dump>application-assurance
Description	This command dumps application-assurance information within a group/partition.
Parameters	Values <i>aa-group-id:</i> <i>partition:aa-group-id[:partition-id]</i> <i>aa-group-id</i> 1 — 255 <i>partition-id</i> 1 — 65535

aa-sub-search

Syntax	aa-sub-search <i>search-type granularity</i> [direction <i>direction</i>] [max-count <i>max-count</i>]						
Context	tools>dump>app-assure>group						
Description	This command displays the top aa-subscribers per ISA by byte, packet or flow counts.						
Parameters	<i>search-type</i> — specifies the type of search. <table> <tr> <td>Values</td> <td>top</td> </tr> <tr> <td>Default</td> <td>top</td> </tr> </table> <i>granularity</i> — specifies the granularity of the search. <table> <tr> <td>Values</td> <td>bytes, packets, flows</td> </tr> </table> direction <i>direction</i> — specifies either the subscriber to network or the network to subscriber direction or both. from-sub, to-sub, both	Values	top	Default	top	Values	bytes, packets, flows
Values	top						
Default	top						
Values	bytes, packets, flows						

max-count *max-count* — Specifies the maximum flows to display.

Values 1 — 100

flow-record-search

Syntax	<p>flow-record-search aa-sub {<i>esm sub-ident-string</i> sap <i>sap-id</i> spoke-sdp <i>sdp-id:vc-id</i> transit <i>transit-aasub-name</i>} [protocol <i>protocol-name</i>] [application <i>app-name</i>] [app-group <i>app-group-name</i>] [flow-status <i>flow-status</i>] [start-flowid <i>start-flowid</i>] [classified <i>classified</i>] [server-ip <i>ip-address</i>] [server-port <i>port-num</i>] [client-ip <i>ip-address</i>] [bytes-tx <i>kbytes</i>] [flow-duration <i>minutes</i>] [max-count <i>max-count</i>] [search-type <i>search-type</i>] [url <i>file-url</i>]</p> <p>flow-record-search isa <i>mda-id</i> [protocol <i>protocol-name</i>] [application <i>app-name</i>] [app-group <i>app-group-name</i>] [flow-status <i>flow-status</i>] [start-flowid <i>start-flowid</i>] [classified <i>classified</i>] [server-ip <i>ip-address</i>] [server-port <i>port-num</i>] [client-ip <i>ip-address</i>] [bytes-tx <i>kbytes</i>] [flow-duration <i>minutes</i>] [max-count <i>max-count</i>] [search-type <i>search-type</i>] [url <i>file-url</i>]</p>
Context	tools>dump>app-assure>group
Description	This command dumps application-assurance flow-records matching the specified criteria for a specific AA subscriber.
Parameters	<p>application <i>app-name</i> — Displays flows for the specified application name.</p> <p>app-group <i>app-group-name</i> — Displays flows for the specified application group.</p> <p>bytes-tx <i>kbytes</i> — Display flows with the specified minimum kilobytes.</p> <p>Values 0 — 4294967295</p> <p>classified <i>classified</i> — Specifies the starting flow ID.</p> <p>Values yes, no</p> <p>client-ip <i>ip-address</i> — Display flows with the specified client IP address.</p> <p>Values ipv4-address - a.b.c.d ipv6-address - x:x:x:x:x:x:x (eight 16-bit pieces)</p> <p>esm <i>sub-ident-string</i> — Displays flows for the specified subscriber.</p> <p>flow-duration <i>minutes</i> — Display flows with the specified minimum duration in minutes.</p> <p>Values 0 — 4294967295</p> <p>flow-status <i>flow-status</i> — Displays only flows that are active or closed.</p> <p>Values active, closed</p> <p>max-count <i>max-count</i> — Specifies the maximum count of flows to display.</p> <p>Values 1— 4294967295</p> <p>protocol <i>protocol-name</i> — Displays flows for the specified protocol.</p> <p>sap <i>sap-id</i> — Displays flows for the specified SAP.</p> <p>search-type <i>search-type</i> — Specifies the level of detail displayed for flows that match the search criteria.</p>

Application Assurance Command Descriptions

Values default — Displays some per flow information.
count — Displays the number of matching flows.
detail — Displays all per flow information available.

server-ip *ip-address* — Display flows with the specified server IP address.

Values ipv4-address - a.b.c.d
ipv6-address - x:x:x:x:x:x:x (eight 16-bit pieces)

server-port *port-num* — Display flows with the specified server port number.

Values 0 — 65535

spoke-sdp *sdp-id:vc-id* — Displays flows for the specified spoke SDP.

start-flowid *start-flowid* — Specifies the starting flow ID.

Values 0 — 4294967295

transit *transit-aasub-name* — Displays flows for the specified transit subscriber.

url *file-url* — Specifies the URL for the file to direct the search output to. The file may be local or remote.

Values local-url | remote-url
local-url [*<flash-id>/*][*<file-path>*]
200 chars max, including *<flash-id>*
directory length 99 chars max each
remote-url [{ftp://|tftp://} *<login>*:*<pswd>*@*<remote-locn>*][*<file-path>*]
255 chars max
directory length 99 chars max each
remote-locn [*<hostname>* | *<ipv4-address>* | *<ipv6-address>*]
ipv4-address a.b.c.d
ipv6-address x:x:x:x:x:x:x[-interface]
x:x:x:x:x:x.d.d.d[-interface]
x - [0..FFFF]H
d - [0..255]D
interface - 32 chars max, for link
local addresses
<flash-id> flash slot ID

load-balance

Syntax **load-balance** [*service service-id*]

Context tools>perform>app-assure>group

Description This command rebalances AA subscribers between ISAs within a group, in case imbalance occurs such as with the addition of new cards.

Parameters *service service-id* — Specifies the service

Values 1 — 2147483648

http-host-recorder detail

Syntax	http-host-recorder detail [<i>isa mda-id</i>] url <i>file-url</i>																
Context	tools>dump>app-assure>group																
Description	This command saves the http host values recorded by the tool into a file. The http-host-recorder is configured using debug commands.																
Parameters	<i>isa mda-id</i> — Specifies the AA ISA. <table> <tr> <td>Values</td> <td>slot 1 — 10, mda 1 — 2</td> </tr> </table> <i>url file-url</i> — Specifies the URL for the file to direct the http-host-recorder output to. <table> <tr> <td>Values</td> <td>local-url: <flash-id>/[<file-path>] 200 chars max, including cflash-id directory length 99 chars max each</td> </tr> <tr> <td></td> <td>remote-url: [{ftp:// tftp://}<login>:<pswd>@<remote-locn>]/[<file-path>] 255 chars max directory length 99 chars max each</td> </tr> <tr> <td></td> <td>remote-locn: <hostname> <ipv4-address> <ipv6-address>]</td> </tr> <tr> <td></td> <td>ipv4-address a.b.c.d</td> </tr> <tr> <td></td> <td>ipv6-address x:x:x:x:x:x[-interface] x:x:x:x:x:d.d.d[-interface] x - [0..FFFF]H d - [0..255]D</td> </tr> <tr> <td></td> <td>interface - 32 chars max, for link local addresses</td> </tr> <tr> <td></td> <td>cflash-id flash slot ID</td> </tr> </table>	Values	slot 1 — 10, mda 1 — 2	Values	local-url: <flash-id>/[<file-path>] 200 chars max, including cflash-id directory length 99 chars max each		remote-url: [{ftp:// tftp://}<login>:<pswd>@<remote-locn>]/[<file-path>] 255 chars max directory length 99 chars max each		remote-locn: <hostname> <ipv4-address> <ipv6-address>]		ipv4-address a.b.c.d		ipv6-address x:x:x:x:x:x[-interface] x:x:x:x:x:d.d.d[-interface] x - [0..FFFF]H d - [0..255]D		interface - 32 chars max, for link local addresses		cflash-id flash slot ID
Values	slot 1 — 10, mda 1 — 2																
Values	local-url: <flash-id>/[<file-path>] 200 chars max, including cflash-id directory length 99 chars max each																
	remote-url: [{ftp:// tftp://}<login>:<pswd>@<remote-locn>]/[<file-path>] 255 chars max directory length 99 chars max each																
	remote-locn: <hostname> <ipv4-address> <ipv6-address>]																
	ipv4-address a.b.c.d																
	ipv6-address x:x:x:x:x:x[-interface] x:x:x:x:x:d.d.d[-interface] x - [0..FFFF]H d - [0..255]D																
	interface - 32 chars max, for link local addresses																
	cflash-id flash slot ID																

http-host-recorder status

Syntax	http-host-recorder status [<i>isa mda-id</i>]		
Context	tools>dump>app-assure>group		
Description	This command displays the current status of the http-host-recorder with current-time, start-time, stop-time, sample-rates, filters, buffer as well as number of bytes and flows recorded for the specified AA ISA. The http-host-recorder is configured using debug commands.		
Parameters	<i>isa mda-id</i> — Specifies the AA ISA. <table> <tr> <td>Values</td> <td>slot 1 — 10, mda 1 — 2</td> </tr> </table>	Values	slot 1 — 10, mda 1 — 2
Values	slot 1 — 10, mda 1 — 2		

http-host-recorder top

Syntax	http-host-recorder top <i>granularity</i> [max-count <i>max-count</i>] [<i>isa mda-id</i>]
Context	tools>dump>app-assure>group
Description	This command configures dump application-assurance http-host-recorder information.

Application Assurance Command Descriptions

Parameters	<i>granularity</i> — Specifies if the output is sorted by bytes or flows. Values bytes, flows
	max-count <i>max-count</i> — Specifies the maximum count of flows to display. Values 1— 25
	isa <i>mda-id</i> — Specifies the AA ISA Values slot 1 — 10 mda 1 — 2

http-host-recorder granularity

Syntax	http-host-recorder top <i>granularity</i> [max-count <i>max-count</i>] [isa <i>mda-id</i>]
Context	tools>dump>app-assure>group
Description	This command displays by bytes or flows top http-host recorded by the tool on a particular AA ISA.
Parameters	<i>granularity</i> — Specifies if the output is sorted by bytes or flows. Values bytes, flows
	max-count <i>count-value</i> — Specifies the maximum number of values to display. Values 1 — 25
	isa <i>mda-id</i> — Specifies the AA ISA Values slot 1 — 10, mda 1 — 2

port-recorder detail

Syntax	port-recorder detail [flow-count <i>flows</i>] [byte-count <i>kbytes</i>] [isa <i>mda-id</i>] url <i>file-url</i>
Context	tools>dump>app-assure>group
Description	This command saves the port recorded by the tool into a file. The port-recorder is configured using debug commands.
Parameters	flow-count <i>flows</i> — Match ports with flow count greater than the specified value. Values slot 1 — 4294967295
	bytes-count <i>kilobytes</i> — Match ports with bytes count greater than the specified value. Values slot 1 — 4294967295
	isa <i>mda-id</i> — Specifies the AA ISA Values slot 1 — 10, mda 1 — 2
	url <i>file-url</i> — Specifies the URL for the file to direct the port-recorder output to. Values local-url, remote-url local-url [<i><flash-id>/</i>][<i><file-path></i>]

200 chars max, including cflash-id
 directory length 99 chars max each
 remote-url [{ftp://|tftp://}login:pswd@remote-locn/][file-path]
 255 chars max
 directory length 99 chars max each
 remote-locn[hostname | ipv4-address | ipv6-address]
 ipv4-addressa.b.c.d
 ipv6-addressx:x:x:x:x:x[-interface]
 x:x:x:x:x:d.d.d.d[-interface]
 x - [0..FFFF]H
 d - [0..255]D
 interface - 32 chars max, for link local addresses
 cflash-idflash slot ID

port-recorder status

Syntax **port-recorder status** [*isa mda-id*]

Context tools>dump>app-assure>group

Description This command displays the current status of the port-recorder with current-time, start-time, stop-time, sample-rates as well as number of bytes and flows for UDP and TCP traffic on the specified AA ISA card. The port-recorder is configured using debug commands.

Parameters *isa mda-id* — Specifies the AA ISA

Values slot 1 — 10, mda 1 — 2

port-recorder top

Syntax **port-recorder top** *granularity* [**max-count** *max-count*] [*isa mda-id*]

Context tools>dump>app-assure>group

Description This command displays by bytes or flows the top ports recorded by the tool on a particular AA ISA.

Parameters *granularity* — Specifies if the output is sorted by bytes or flows.

Values bytes, flows

max-count *count-value* — Specifies the maximum number of values to display.

Values 1 — 25

isa mda-id — Specifies the AA ISA

Values slot 1 — 10, mda 1 — 2

seen-ip

Syntax **seen-ip transit-ip-policy** *ip-policy-id*

Application Assurance Command Descriptions

seen-ip transit-ip-policy *ip-policy-id* clear

Context tools>dump>app-assure>group

Description This command dumps application-assurance seen-ip information for a specified transit-ip policy.

Parameters **transit-ip-policy *ip-policy-id*** — An integer that identifies a transit IP profile entry.

Values 1 — 65535

clear — Clears the seen IP information after reading.

Clear Commands

group

Syntax	group <i>aa-group-id</i> cflowd group <i>aa-group-id</i> statistics group <i>aa-group-id</i> status
Context	clear>app-assure
Description	This command clears application assurance group statistics or status.
Parameters	<i>aa-group-id</i> — Clears data for the specified AA ISA group. cflowd — Clears application assurance cflowd statistics. statistics — Clears application assurance system and subscriber statistics. status — Clears application assurance status statistics.

radius-accounting-policy

Syntax	radius-accounting-policy <i>rad-acct-plcy-name</i> [server <i>server-index</i>] statistics
Context	clear>app-assure
Description	This command clears application assurance RADIUS accounting statistics for the specified policy.
Parameters	<i>policy-name</i> — The name of the policy. The string is case sensitive and limited to 32 ASCII 7-bit printable characters with no spaces. <i>server-index</i> — The index for the RADIUS server. Values 1 — 16 (a maximum of 5 accounting servers)

Debug Commands

isa-aa-group

Syntax	isa-aa-group <i>aa-group-id</i> { all unknown } no isa-aa-group <i>aa-group-id</i>
Context	debug>mirror-source
Description	This command configures AA ISAgroup as a mirror source for this mirror service. Traffic is mirrored after AA processing takes place on AA ISAs of the group, therefore, any packets dropped as part of that AA processing are not mirrored.
Parameters	all — Specifies that all traffic after AA processing will be mirrored. unknown — Specifies that all traffic during the identification phase (may match policy entry or entries that have mirror action configured) and traffic that had been identified as <code>unknown_tcp</code> or <code>unknown_udp</code> after AA processing will be mirrored

http-host-recorder

Syntax	[no] http-host-recorder
Context	debug>app-assur>group
Description	This command enables the http-host-recorder feature on a particular group:partition. The no form of the command disables the http-host-recorder feature.

filter

Syntax	filter
Context	debug>app-assur>group>http-host-recorder
Description	This command configures recorder filter settings. This command specifies the filtering parameter for the http-host-recorder feature.

default-filter-action

Syntax	default-filter-action <i>default-action</i>
Context	debug>app-assur>group>http-host-recorder>filter
Description	This command configures the recorder filter default action to either record or no-record. This parameter applies to http-host values not matching any expressions defined in the filter context.

Parameters *default-action* — Specifies the default action.

Values record, no record

expression

Syntax **expression** *expr-index* *expr-type* **eq** *expr-string* {**record**|**no-record**}
no expression **expr-index**

Context debug>app-assur>group>http-host-recorder>filter

Description This command configures the recorder filter expressions.

Parameters *expr-index* — Specifies the expression index vaue.

Values 1 — 4

expr-type — Specifies the expression type.

Values http-host

expr-string — Specifies the HTTP host filter expression string.

Values format *<expression>\$ (33 chars max)

record

Syntax **record** {**all-hosts**|**http-host-app-filter-candidates**}

Context debug>app-assur>group>http-host-recorder>filter

Description This command configures which http-host are selected for the http-host-recorder. It is either any http-host values going through the AA ISA or the http-host corresponding to flows not matching a string based app-filter. Note that for the feature to work it is required to configure at least one app-filter to catch the HTTP protocol signature.

Parameters **all-hosts**|**http-host-app-filter-candidates** — Specifies which hosts the recorder will record

Values all-hosts, http-host-app-filter-candidates

Default http-host-app-filter-candidates

rate

Syntax **rate** *sample-rate*
no rate

Context debug>application-assurance>group>http-host-recorder
 debug>application-assurance>group>port-recorder

Description This command configures the sampling rate for the recorded http host, a sampling rate of 10 will sample one out of 10 http-host.

Application Assurance Command Descriptions

Values 1 — 10000

Default 100

Sample Output

The following configuration records http-host entries ending with “.com” as a result of the expression filter configuration. It will not record any other HTTP host values since the default-filter-action set to no-record. The http-host entries analyzed by the recorder in the first place are http-host-app-filter-candidates.

```
7750# show debug
debug
  application-assurance
    group 1:1
      http-host-recorder
        filter
          default-filter-action no-record
          expression 1 http-host eq "*.com$" record
          record http-host-app-filter-candidates
        exit
      rate 100
      no shutdown
    exit
  exit
exit
```

shutdown

Syntax [no] shutdown

Context debug>application-assurance>group>http-host-recorder
debug>application-assurance>group>port-recorder

Description This commands allows to stop or start the http-host-recorder. To reset the recorded values execute shutdown followed by **no** shutdown.

port-recorder

Syntax [no] port-recorder

Context debug>application-assurance>group

Description This commands allows to stop or start the http-host-recorder. To reset the recorded values execute shutdown followed by **no** shutdown.

application

- Syntax** [no] **application** *application-name*
- Context** debug>application-assurance>group>port-recorder
- Description** This commands specifies the applications used as input by the port-recorder. Note that applications responsible for unknown or unidentified traffic are meant to be used by this tool.

Sample Output

The following configuration records TCP and UDP port numbers for the application “Unidentified TCP”.

```
7750# show debug
debug
  application-assurance
    group 1:1
      port-recorder
        application "Unidentified TCP"
        rate 100
        no shutdown
      exit
    exit
  exit
exit
```

