

Handling Flow-Information AVPs

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Feature Summary and Revision History

Summary Data

Applicable Product(s) or Functional Area	• GGSN
	• P-GW
	• SAEGW
Applicable Platform(s)	ASR 5500
Feature Default	Enabled - Always-on
Related Changes in This Release	Not Applicable
Related Documentation	ECS Administration Guide

Revision History



Important

Revision history details are not provided for features introduced before releases 21.2 and N5.5.

Revision Details	Release
ECS supports up to 16 Flow-Information AVPs and remaining, if any, are ignored.	21.4
First introduced.	Pre 21.2

Feature Description

PCRF can send any number of Flow-Information AVPs in CC-Answer (CCA) and Re-Auth-Request (RAR) messages. Currently, the ECS supports processing of eight Flow-Information AVPs and remaining, if any, are ignored. With this enhancement, ECS supports up to 16 Flow-Information AVPs and remaining, if any, are ignored.

How It Works

This section provides a brief overview of how this feature works.

- P-GW initiates Create Bearer Request/Update Bearer Request with TFTs for all 16 Flow-Information AVPs.
- P-GW initiates multiple Create Bearer Request/Update Bearer Request if TFTs for all 16 Flow-Information AVPs cannot be accommodated in a single message.
- Rule match for dynamic rule to consider up to 16 Flow-Information AVPs for traffic classification.
- If more than 16 Flow-Information AVPs are received, only 16 AVPs are processed and remaining AVPs are ignored.
- P-GW checkpoints all 16 Flow-Information AVPs received from PCRF in CCA and RAR messages to standby chassis if standby chassis is on same release.
- P-GW recovers all 16 Flow-Information AVPs after Session Manager recovery.
- CRR/checkpoint size does not increase if P-GW receives less than 8 Flow-Information AVPs.
- P-GW checkpoints up to 8 Flow-Information AVPs to standby chassis if standby chassis is on older release, and if it receives more than 8 Flow-Information AVPs from PCRF in CCA and RAR messages.
- ICSR upgrade from N-1 to N, and ICSR downgrade from N to N-1 release works as expected.

Monitoring and Troubleshooting

The output of the following CLI commands has been modified to display 16 Flow-Information AVPs:

- · show active-charging sessions full all
- · show subscribers pgw-only full all