



Inner Fragmentation with VPP Non-CUPS Deployment

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Feature Summary and Revision History

Summary Data

Applicable Product(s) or Functional Area	P-GW
Applicable Platform(s)	<ul style="list-style-type: none">• ASR 5500• VPC-DI• VPC-SI
Feature Default	Enabled - Configuration Required
Related Changes in This Release	Not Applicable
Related Documentation	Not Applicable

Revision History

Revision Details	Release
In this release, P-GW supports Inner Fragmentation with VPP Non-CUPS Deployment.	21.20.7

Feature Changes

Previous Behavior: When VPP is enabled for non-CUPS deployment, GTP-U header, and transport layer length is not used to determine the inner fragmentation threshold while sending downlink packets towards S-GW/eNodeB. This resulted in outer fragmentation of downlink packets.

New Behavior: When VPP is enabled for non-CUPS deployment, GTP-U header, and transport layer length is used to decide the inner fragmentation threshold while sending downlink packets towards S-GW/eNodeB. This change is applicable for both IPv4 and IPv6 Packet Data Network (PDN) type.

Customer Impact: When VPP is enabled for non-CUPS deployment, there will be an overall reduction in downlink packets with outer fragmentation towards S-GW/eNodeB.