



# Override Control Enhancement

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## Feature Summary and Revision History

### Summary Data

|  |   |
|--|---|
| Applicable Product(s) or Functional Area | <ul style="list-style-type: none"><li>• P-GW</li><li>• S-GW</li><li>• SAEGW</li></ul>   |
| Applicable Platform(s)                   | <ul style="list-style-type: none"><li>• ASR 5500</li><li>• VPC - DI</li><li>• VPC - SI</li></ul>                                      |
| Feature Default                          | Disabled - Configuration Required   |
| Related Changes in This Release          | Not applicable  |
| Related Documentation                    | <ul style="list-style-type: none"><li>• <i>ECS Administration Guide</i></li><li>• <i>Stats and Counters Reference Guide</i></li></ul> |

### Revision History



#### Important

Revision history details are not provided for features introduced before releases 21.2 and N5.1.

| Revision Details  | Release  |
|---|----------|
| The Override Control (OC) feature, introduced in an earlier release, allowed you to dynamically modify the parameters of static or predefined rules with parameters sent by the PCRF over the Gx interface. This feature allows you to merge rule level or charging action level override control with Wildcard OC. | 21.8     |
| First introduced.   | Pre 21.2 |

## Feature Changes

The Override Control (OC) feature, introduced in an earlier release, allowed you to dynamically modify the parameters of static or predefined rules with parameters sent by the PCRF over the Gx interface. OC allows you to specify the overridden parameters with the ability to exclude certain rules.

The PCRF sends these overrides as Override-Control grouped AVP in a CCA or RAR message.

Currently, if a rule or charging-action level and Wildcard level OC parameters are received in a single message, then the rule level or charging-action level OC parameters are applied without merging any of the parameters with the Wildcard OC parameters.

A new Diameter AVP "Override-Control-Merge-Wildcard" is added to the grouped AVP "Override-Charging-Action-Parameters" and included in the 'dpca-custom8' dictionary. This AVP is required to indicate that an OC needs to be merged with a Wildcard OC.

On receiving this new AVP, the gateway merges the parameters of received OC with the Wildcard OC. The merged OC is applied to the rules matching rule-name/ca-name criteria of the received OC. If the Wildcard OC is not present, then the received OC is applied as it is.



### Important

While applying OC on the rules of a rulebase, if the rule is present in the Exclude-Rule list of Wildcard OC then for such rule, unmerged or original rule level or charging-action level OC is applied.

## Monitoring and Troubleshooting

This section provides information on how to monitor and troubleshoot the Override Control Enhancement feature.

## Show Commands and Outputs

This section provides information on show commands and their corresponding outputs for the Override Control Enhancement feature.

## show active charging sessions full all

The following new fields are added to the output of this command:

- Merge with Wildcard
  - Received
  - Succeeded
  - Failed

## show active-charging subscribers callid *callid\_name* override-control

The following new fields are added to the output of this command:

Merge with Wildcard: TRUE/FALSE

## show active-charging rulebase statistics name *statistics\_name*

The following new fields are added to the output of this command:

- Merge with Wildcard
  - Received
  - Succeeded
  - Failed

show active-charging rulebase statistics name statistics\_name