

## radius include dsl-forum-attributes

**Syntax** radius include dsl-forum-attributes  
{ access-request | acct-start | acct-stop } { enable | disable }  
  
no radius include dsl-forum-attributes { access-request | acct-start | acct-stop }

**Release Information** Command introduced in JUNOS Release 7.3.0.

**Description** Enables the inclusion of a set of DSL Forum vendor-specific attributes (VSAs) in Access-Request, Acct-Start, or Acct-Stop messages that the router sends to RADIUS. If you specify the Acct-Stop message, the router also includes the DSL Forum VSAs in outgoing RADIUS Interim-Acct messages. The **no** version restores the default behavior, which excludes the DSL Forum VSAs from these outgoing RADIUS messages.

If you enable the inclusion of DSL Forum VSAs in RADIUS messages, the router includes all of the following DSL Forum VSAs in the specified message type, provided that the VSA is available in the information that the router receives from the DSLAM.

Agent-Circuit-Id [26-1]	Maximum-Data-Rate-Downstream [26-136]
Agent-Remote-Id [26-2]	Minimum-Data-Rate-Upstream-Low-Power [26-137]
Actual-Data-Rate-Upstream [26-129]	Minimum-Data-Rate-Downstream-Low-Power [26-138]
Actual-Data-Rate-Downstream [26-130]	Maximum-Interleaving-Delay-Upstream [26-139]
Minimum-Data-Rate-Upstream [26-131]	Actual-Interleaving-Delay-Upstream [26-140]
Minimum-Data-Rate-Downstream [26-132]	Maximum-Interleaving-Delay-Downstream [26-141]
Attainable-Data-Rate-Upstream [26-133]	Actual-Interleaving-Delay-Downstream [26-142]
Attainable-Data-Rate-Downstream [26-134]	Access-Loop-Encapsulation [26-144]
Maximum-Data-Rate-Upstream [26-135]	IWF-Session [26-254]

- Options**
- access-request—Specifies RADIUS Access-Request messages
  - acct-start—Specifies RADIUS Acct-Start messages
  - acct-stop—Specifies RADIUS Acct-Stop messages and Interim-Acct messages
  - enable—Causes the router to include the DSL Forum VSAs, if available, in the specified outgoing RADIUS message
  - disable—Causes the router to exclude the DSL Forum VSAs from the specified outgoing RADIUS message; this is the default behavior

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