

Juniper Networks VSAs Supported by the AAA Service Framework

Table 1 describes Juniper Networks VSAs supported by the JUNOS AAA Service Framework. The AAA Service Framework uses vendor ID 4874, which is assigned to Juniper Networks by the Internet Assigned Numbers Authority (IANA).



NOTE: A “Yes” entry in the Dynamic CoA Support column indicates that the attribute can be dynamically configured by Access-Accept messages and dynamically modified by CoA-Request messages.

Table 1: Supported Juniper Networks VSAs

Attribute Number	Attribute Name	Description	Value	Dynamic CoA Support
26-1	LSRI-Name	Client logical system:routing instance name. Allowed only from RADIUS server for “default” logical system:routing instance.	string: logical system:routing instance	No
26-4	Primary-DNS	Client DNS address negotiated during IPCP	integer: 4-byte primary-dns-address	No
26-5	Secondary-DNS	Client DNS address negotiated during IPCP	integer: 4-byte secondary-dns-address	No
26-6	Primary-WINS	Client WINS (NBNS) address negotiated during IPCP	integer: 4-byte primary-wins-address	No
26-7	Secondary-WINS	Client WINS (NBNS) address negotiated during IPCP	integer: 4-byte secondary-wins-address	No
26-10	Ingress-Policy-Name	Input policy name to apply to client interface	string: input-policy-name	Yes
26-11	Egress-Policy-Name	Output policy name to apply to client interface	string: output-policy-name	Yes
26-12	Ingress-Statistics	Enable or disable input statistics on client interface	integer: <ul style="list-style-type: none"> ■ 0 = disable ■ 1 = enable 	No
26-13	Egress-Statistics	Enable or disable output statistics on client interface	integer: <ul style="list-style-type: none"> ■ 0 = disable ■ 1 = enable 	No
26-23	IGMP-Enable	Enable or disable IGMP on a client interface	integer: <ul style="list-style-type: none"> ■ 0 = disable ■ 1 = enable 	Yes

Table 1: Supported Juniper Networks VSAs (continued)

Attribute Number	Attribute Name	Description	Value	Dynamic CoA Support
26-25	Redirect-LSRI-Name	Client logical system:routing instance name indicating to which logical system:routing instance the request is redirected for user authentication.	string: logical-system:routing-instance	No
26-34	Framed-IP-Route-Tag	Route tag to apply to returned framed-ip-address	integer: 4-octet	No
26-42	Input-Gigapackets	Number of times input-packets attribute rolls over its 4-octet field	integer	No
26-43	Output-Gigapackets	Number of times output-packets attribute rolls over its 4-octet field	integer	No
26-55	DHCP Options	Client DHCP options	string: dhcp-options	No
26-56	DHCP-MAC-Address	Client MAC address	string: mac-address	No
26-57	DHCP-GI-Address	DHCP relay agent IP address	integer: 4-octet	No
26-58	LI-Action	Traffic mirroring action. For dynamic CoA, VSA 26-58 changes the action on the mediation device identified by VSA 26-59.	0 = stop mirroring 1 = start mirroring 2 = no action	Yes (together with 26-59)
26-59	Med-Dev-Handle	Link to which traffic mirroring is applied. For dynamic CoA, VSA 26-58 changes the action on the mediation device identified by VSA 26-59.	Salt-encrypted string	Yes (together with 26-58)
26-60	MD-Ip-Address	IP address of content destination device to which mirrored traffic is forwarded	Salt-encrypted IP address	No
26-61	MD-Port-Number	UDP port in the content destination device to which mirrored traffic is forwarded	Salt-encrypted integer	No
26-63	Interface-Desc	Text string that identifies the subscriber's access interface	string: interface-description	No
26-65	Activate-Service	Service to activate for the subscriber	string: service-name	No

Table 1: Supported Juniper Networks VSAs (continued)

Attribute Number	Attribute Name	Description	Value	Dynamic CoA Support
26-66	Deactivate-Service	Service to deactivate for the subscriber	string: service-name	No
26-71	IGMP-Access-Group-Name	Access List to use for the group (G) filter	string: 32-octet	Yes
26-72	IGMP-Access-Source-Group-Name	Access List to use for the source-group (S,G) filter	string: 32-octet	Yes
26-74	MLD-Access-Group-Name	Access List to use for the group (G) filter	string: 32-octet	Yes
26-75	MLD-Access-Source-Group-Name	Access List to use for the source-group (S,G) filter	string: 32-octet	Yes
26-77	MLD-Version	MLD Protocol Version	integer: 1-octet <ul style="list-style-type: none"> ■ 1 = MLD version ■ 2 = MLD version 	Yes
26-78	IGMP-Version	IGMP Protocol Version	integer: 1-octet <ul style="list-style-type: none"> ■ 1 = IGMP version ■ 2 = IGMP version ■ 3 = IGMP version 	Yes
26-83	Acct-Service-Session	Name of the service (including parameter values) that is associated with service manager statistics	string: service-name	No
26-84	Mobile-IP-Algorithm	Authentication algorithm used for Mobile-IP registration	integer: 4-octet	No
26-85	Mobile-IP-SPI	Security parameter index number for Mobile IP registration	integer: 4-octet	No
26-86	Mobile-IP-Key	Security association MD5 key for Mobile IP registration	string: key	No
26-87	Mobile-IP-Replay	Replay timestamp for Mobile IP registration	integer: 4-octet	No
26-89	Mobile-IP-Lifetime	Registration lifetime for Mobile IP registration	integer: 4-octet	No
26-97	IGMP-Immediate-Leave	IGMP Immediate Leave	integer: 4-octet <ul style="list-style-type: none"> ■ 0 = disable ■ 1 = enable 	Yes

Table 1: Supported Juniper Networks VSAs (continued)

Attribute Number	Attribute Name	Description	Value	Dynamic CoA Support
26-100	MLD-Immediate-Leave	MLD Immediate Leave	integer: 4-octet <ul style="list-style-type: none"> ■ 0 = disable ■ 1 = enable 	Yes
26-106	IPv6-Ingress-Policy-Name	Input policy name to apply to user IPv6 interface	string: policy name	Yes
26-107	IPv6-Egress-Policy-Name	Output policy name to apply to user IPv6 interface	string: policy name	Yes
26-108	CoS-Shaping-Pmt-Type	CoS traffic-shaping parameter type and description: <ul style="list-style-type: none"> ■ T01: Scheduler-map name ■ T02: Shaping rate ■ T03: Guaranteed rate ■ T04: Delay-buffer rate 	2 parts, delimited by white space: <ul style="list-style-type: none"> ■ Parameter type ■ Parameter value Examples: <ul style="list-style-type: none"> ■ T01 smap_basic ■ T02 50m ■ T03 1m ■ T04 2000 	Yes
26-129	IPv6-NdRa-Prefix	Prefix value in IPv6 Neighbor Discovery route advertisements	hexadecimal string	No
26-143	Max-Clients-Per-Interface	Maximum allowable client sessions per interface. For DHCP clients, the maximum sessions per logical interface.	integer: 4-octet	No
26-146	CoS-Scheduler-Pmt-Type	CoS scheduler parameter type and description: <ul style="list-style-type: none"> ■ Null: CoS scheduler name ■ T01: CoS scheduler transmit rate ■ T02: CoS scheduler buffer size ■ T03: CoS scheduler priority ■ T04: CoS scheduler drop-profile low ■ T05: CoS scheduler drop-profile medium-low ■ T06: CoS scheduler drop-profile medium-high ■ T07: CoS scheduler drop-profile high ■ T08: CoS scheduler drop-profile any 	3 parts, delimited by white space: <ul style="list-style-type: none"> ■ Scheduler name ■ Parameter type ■ Parameter value Examples: <ul style="list-style-type: none"> ■ be_sched ■ be_sched T01 12m ■ be_sched T02 26 	Yes

Table 1: Supported Juniper Networks VSAs (continued)

Attribute Number	Attribute Name	Description	Value	Dynamic CoA Support
26-151	IPv6-Acct-Input-Octets	IPv6 receive octets	integer	No
26-152	IPv6-Acct-Output-Octets	IPv6 transmit octets	integer	No
26-153	IPv6-Acct-Input-Packets	IPv6 receive packets	integer	No
26-154	IPv6-Acct-Output-Packets	IPv6 transmit packets	integer	No
26-155	IPv6-Acct-Input-Gigawords	IPv6 receive gigawords	integer	No
26-156	IPv6-Acct-Output-Gigawords	IPv6 transmit gigawords	integer	No
26-157	IPv6-NdRa-Pool-Name	IPv6 ND/RA pool name used to locally allocate an ND/RA prefix	string	No

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