How Does Steel-Belted Radius® Differ from the RSA RADIUS Server?

In 2005, RSA Security licensed a specialized version of Juniper Networks' Steel-Belted Radius to provide the RADIUS functionality in their RSA Authentication Manager.

While this specialized version of Steel-Belted Radius fully meets your SecurID® authentication requirements – enabling you to authenticate wireless LAN, remote/VPN, and wired 802.1X users against the RSA Authentication Manager – it contains only a subset of the functionality included in Juniper Networks Steel-Belted Radius/Enterprise Edition and Steel-Belted Radius/Global Enterprise Edition.

You may need to move to a full-featured version of one of these RADIUS servers if:

- In addition to RSA Authentication Manager, you wish to authenticate users against Windows Active Directory, SQL, LDAP, Novell's eDirectory, a PKI infrastructure, or other type of authentication database.
- You need to generate comprehensive reports detailing network usage
- You require centralized network address management via IP/IPX address pools or DHCP
- You need to monitor your RADIUS server via your SNMP-based management console
- You require proxy RADIUS features or virtual (directed) realms

In addition, Juniper Networks offers Odyssey® Access Client, a secure, low-overhead 802.1X supplicant that is a key component of any 802.1X deployment. It includes specialized features, such as soft token support, that ensures best-in-market compatibility with SecurID®.

For more information on Steel-Belted Radius/Enterprise Edition, Steel-Belted Radius/Global Enterprise Edition, or Odyssey Access Client, please contact Juniper Networks at the appropriate number below:

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RADIUS Server Feature Comparison

The chart below details the feature differences between the SBR-RSA Edition, which is powered by a specialized version of Juniper Networks Steel-Belted Radius, and the full-featured versions of Juniper Networks RADIUS servers.

Feature	SBR-RSA Edition	Juniper Networks Steel-Belted Radius/EE	Juniper Networks Steel-Belted Radius/GEE
Platform Support			
Windows Server 2003, XP, 2000	Yes	Yes	Yes
Solaris	Yes, runs on Solaris 9,10	Yes, runs on Solaris 8,9, 10	Yes, runs on Solaris 8,9, 10
Linux	Yes, runs on Red Hat Enterprise Linux v3 and SuSE Linux Enterprise Server v9	Yes, runs on Red Hat Enterprise Linux v3 and SuSE Linux Enterprise Server v9	Yes, runs on Red Hat Enterprise Linux v3 and SuSE Linux Enterprise Server v9
Authentication Methods			
RSA Authentication Manager	Yes	Yes	Yes
Windows Active Directory or Domains	No	Yes	Yes
Windows Machine Authentication	No	Yes	Yes
Solaris	No	Yes (on Solaris platform)	Yes (on Solaris platform)
Linux	No	Yes (on Linux platform)	Yes (on Linux platform)
SQL	No	Yes	Yes
LDAP	No	Yes	Yss
LDAP Java Scripting	No	No	Optional add-on
Proxy RADIUS	No	Yes	Yes, expanded capabilities including proxy filtering and flexible user names
Novell eDirectory	No	Yes	Yes

Feature	SBR-RSA Edition	Juniper Networks Steel-Belted Radius/EE	Juniper Networks Steel-Belted Radius/GEE
Authentication Protocols			
PAP	Yes	Yes	Yes
CHAP, MS-CHAP, MS-CHAP-V2	No	Yes	Yes
EAP-TTLS	Yes (PAP as inner method)	Yes (PAP, CHAP, MS-CHAP, MS-CHAP-V2 as inner methods)	Yes (PAP, CHAP, MS-CHAP, MS-CHAP-V2 as inner methods)
EAP-PEAP	Yes (GTC as inner method)	Yes (GTC, MS-CHAP-V2 as inner methods)	Yes (GTC, MS-CHAP-V2 as inner methods)
EAP-15	Yes	Yes	Yes
EAP-POTP (32)	Yes	Yes	Yes
EAP-FAST	No	Yes	Yes
EAP-MD5	No	Yes	Yes
EAP-LEAP	No	Yes	Yes
EAP-TLS	No	Yes	Yes
Administration Tools			
Administration Client	Yes, runs on Windows Server 2003, XP, 2000	Yes, runs on Windows Server 2003, XP, 2000, Solaris, Linux	Yes, runs on Windows Server 2003, XP, 2000, Solaris, Linux
Centralized Configuration Management	Yes	Yes	Yes
LDAP Configuration Interface (LCI)	Optional add-on	Optional add-on	Yes
SNMP-based management	No	No	Yes (on Solaris platform)
Server Statistics			
Via the Administration GUI	Yes	Yes	Yes
Via LCI	Yes, if LCI purchased	Yes, if LCI purchased	Yss
Reporting			
Reports	No	Yes – including Current Sessions, Successful/Failed Authentication Requests, Unknown Client Requests, Invalid Shared Secret Requests	Yes – including Current Sessions, Successful/Failed Authentication Requests, Unknown Client Requests, Invalid Shared Secret Requests, Locked Accounts
Attribute Support			
Multi-vendor RADIUS client support	Yes	Yes	Yes
Address Management			
IP address pools	No	Yes	Yes
IPX address pools	No	Yes	Yes
DHCP	No	Yes	Yes
Logging			
Configurable local accounting	Yes	Yes	Yes
Configurable debug logging, to a local text file	Yes	Yes	Yes
SQL accounting	No	Yes	Yes
Report logs	No	Yes	Yes
Reliability			
Round robin authentication and accounting across SQL and LDAP databases, and directed realms, for redundancy and load balancing	No	No	Yes
"Failover" to backup SQL and LDAP database	No	No	Yes
Supports reliable database configuration	No	No	Yes
Price	Included with RSA Authentication Manager	$4,800	$12,000

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