

## AAA Radius and Diameter Server Market Shares Strategies, and Forecasts, 2009 to 2015

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AAA Radius / Diameter is positioned to provide connections in the highly competitive remote access environment. Service providers and corporate enterprises need cost-effective tools that smooth the integration of the powerful new services that are constantly emerging. These tools must increase overall network efficiency and profitability through effective management and tracking of network access and usage.

AAA software provides authentication, authorization & accounting management. Radius has a significant new generation of AAA server complemented by Diameter that merges all of these needs. It enables GSM operators to allow GSM mobile users to utilize their broadband network at home to initiate, accept and roam between their home and GSM networks seamlessly. The result is merged technologies with no dropped calls.

Next generation AAA Radius and Diameter promise to coexist for a long time. AAA Radius is a well defined management software designed for authentication, authorization & accounting in a extensible format. Many vendors are able to create next generation AAA Radius products without moving to Diameter. Diameter has some advantages that are being adopted by other market segments.

Diameter is a new framework in the Internet engineering task force (IETF) for the next-generation AAA server. Requirements for DIAMETER are being defined by the Mobile IP ROAMOPS (Roaming Operations) TR45.6 working group, as well as by other new-world technologies where there is a need to provide authentication or authorization to network resources or to capture accounting for billing of network resource usage such as a voice call.

Radius is an authentication integration middleware that interconnects business rules to the network servers in the context of providing carrier and enterprise security. Markets will grow in tandem as mobile users create more diversity in networks.

AAA Radius systems are used to gain real-time control over active subscriber sessions. Radius session control server provides granular, flexible interface to the business aspects of the network. Middleware is used to impose business rules on the network. Application authorization server benefits relate to the speed of time to market delivery of new applications.

Systems are used to control and manage user access to services at a more granular level. AAA Radius is an authentication integration middleware that provides for network flexibility and customization. Radius is expected to become the primary policy server for NAC/NAP networks, and coordinate policy between the Virus, spyware, and patch level systems because of the ability to serve as middleware between the network servers and the business application servers that implement rules.

User authentication is based on the authentication scheme that is already in place on the enterprise network; security policy enforcement allows the administrator to block unauthorized access, establish secure wireless connections, only permit access during certain times of the day or from a certain location, permit access only to certain areas of the network. Hence the positioning of Radius systems is as middleware that provides flexible systems.

Enterprise markets are set to grow as remote users become more diverse and access the enterprise network from a wider variety of access points supported by a wider diversity of client device types.

AAA Radius solution market forecasts indicate that markets at \$866.4 million in 2008 are anticipated to reach \$1.7 billion by 2015.

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