

WINTERGREEN RESEARCH, INC.

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

**Authentication, Authorization, And Accounting
AAA Radius and Diameter Servers**



Picture by Susie Eustis

MOUNTAINS OF OPPORTUNITY

**WinterGreen Research, Inc.
Lexington, Massachusetts**

www.wintergreenresearch.com

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CHECK OUT THESE KEY TOPICS

AAA RADIUS SERVER MARKET SHARES
AAA RADIUS SERVER MARKET FORECASTS
RADIUS AUTHENTICATION INTEGRATION
AAA Radius ISP
AAA Radius Carrier
AAA Radius Hotspot Traffic
Diameter WiFi
AAA Radius
Radius For Remote VPN Access
Diameter Advances In Technology

AAA Radius VoIP Over LAN

AAA Radius Remote VPN Access
AAA Radius Wireless LAN Switch Security
AAA RADIUS MARKET DRIVING FORCES
RADIUS IN THE HOTSPOTS
BUSINESS CENTER TECHNOLOGY
AAA RADIUS WIRELESS NETWORK TECHNOLOGIES
AAA RADIUS WI-FI ALLIANCE
AAA RADIUS MEDICAL USES OF WI-FI
DIAMETER BROADBAND WIRELESS OSS
DIAMETER HOTSPOTS
DIAMETER WI-FI MARKET SHARES
AAA RADIUS WIRELESS

OPPORTUNITY ABOUNDS

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

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.

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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.

Companies Profiled

Market Leaders

Cisco Systems
IBM
Hewlett Packard
Alcatel / Lucent Technologies
Interlink
IEA Software
Bridgewater Systems

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Market Participants

ActivCard

Alcatel

Alepo

Ericsson

Fujitsu

Intel

Cisco / Meetinghouse

Nortel

Rodopi Software

Siemens

UT Starcom

Advanced VoIP Pvt Ltd

Blue Ridge Networks

Bluesocket

Funk Software

Huawei Technologies

Interlink Networks

Microsense

PEC CardSaver Software

RSA Security

Spotngo

AAA Radius and Diameter Server Strategies and Forecasts, 2009-2015

REPORT METHODOLOGY

THIS IS THE 401ST REPORT IN A SERIES OF MARKET RESEARCH REPORTS THAT PROVIDE FORECASTS IN COMMUNICATIONS, TELECOMMUNICATIONS, THE INTERNET, COMPUTER, SOFTWARE, TELEPHONE EQUIPMENT, HEALTH EQUIPMENT, AND ENERGY. THE PROJECT LEADERS TAKE DIRECT RESPONSIBILITY FOR WRITING AND PREPARING EACH REPORT. THEY HAVE SIGNIFICANT EXPERIENCE PREPARING INDUSTRY STUDIES. FORECASTS ARE BASED ON PRIMARY RESEARCH AND PROPRIETARY DATA BASES. FORECASTS REFLECT ANALYSIS OF THE MARKET TRENDS IN THE SEGMENT AND RELATED SEGMENTS. UNIT AND DOLLAR SHIPMENTS ARE ANALYZED THROUGH CONSIDERATION OF DOLLAR VOLUME OF EACH MARKET PARTICIPANT IN THE SEGMENT. INSTALLED BASE ANALYSIS AND UNIT ANALYSIS IS BASED ON INTERVIEWS AND AN INFORMATION SEARCH. MARKET SHARE ANALYSIS INCLUDES CONVERSATIONS WITH KEY CUSTOMERS OF PRODUCTS, INDUSTRY SEGMENT LEADERS, MARKETING DIRECTORS, DISTRIBUTORS, LEADING MARKET PARTICIPANTS, OPINION LEADERS, AND COMPANIES SEEKING TO DEVELOP MEASURABLE MARKET SHARE. OVER 200 IN DEPTH INTERVIEWS ARE CONDUCTED FOR EACH REPORT WITH A BROAD RANGE OF KEY PARTICIPANTS AND INDUSTRY LEADERS IN THE MARKET SEGMENT. WE ESTABLISH ACCURATE MARKET FORECASTS BASED ON ECONOMIC AND MARKET CONDITIONS AS A BASE. USE INPUT/OUTPUT RATIOS, FLOW CHARTS, AND OTHER ECONOMIC METHODS TO QUANTIFY DATA. USE IN-HOUSE ANALYSTS WHO MEET STRINGENT QUALITY STANDARDS. INTERVIEWING KEY INDUSTRY PARTICIPANTS, EXPERTS AND END-USERS IS A CENTRAL PART OF THE STUDY. OUR RESEARCH INCLUDES ACCESS TO LARGE PROPRIETARY DATABASES. LITERATURE SEARCH INCLUDES ANALYSIS OF TRADE PUBLICATIONS, GOVERNMENT REPORTS, AND CORPORATE LITERATURE.

YOU MUST HAVE THIS STUDY

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AAA RADIUS AND DIAMETER PRODUCT DESCRIPTION

3. AUTHENTICATION, AUTHORIZATION, AND ACCOUNTING

AAA(RADIUS) AND DIAMETER PRODUCT DESCRIPTION

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ABOUT THE COMPANY

WINTERGREEN RESEARCH, HAS A UNIQUE RESEARCH STRATEGY THAT RELATES TO IDENTIFYING MARKET TRENDS THROUGH READING AND INTERVIEWING OPINION LEADERS. BY READING THE ELECTRONIC EQUIVALENT OF 40 FEET OF PAPER, WINTERGREEN RESEARCH SENIOR ANALYSTS CAN LEARN A LOT MORE ABOUT MARKETS, A LOT FASTER THAN CAN BE LEARNED THROUGH EXPENSIVE SURVEYS AND FOCUS GROUPS. THINKING ABOUT MARKET TRENDS IS A HIGH PRIORITY AT WINTERGREEN RESEARCH. AS WITH ALL RESEARCH, THE VALUE PROPOSITION FOR COMPETITIVE ANALYSIS COMES FROM INTELLECTUAL INPUT.

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