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http://www.aradial.com
http://www.radius-server.com
http://www.wifi-radius.com

Document Information

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<th>Software Version</th>
<th>3.x</th>
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Aradial VOIP Radius/AAA server

Aradial VOIP AAA is a high performance full-featured RADIUS server for VOIP. Boasting excellent performance and technological superiority, Aradial RADIUS server is the unquestioned market leader in its class.

The server includes some of the most innovative features available in the market today. It is easy to use, scalable and features a plug-in architecture providing support for almost any new functionality or network element.

Aradial's 100% web-based interface ensures easy connectivity from anywhere. Coupled with a state server that allows you to know exactly what is happening in the network, in real time.

Aradial VOIP AAA server can use its own user database, an external compliant database or connect to an LDAP server, and can communicate, using Policy algorithms, with your billing system for both Authorization and Accounting.

Aradial provides high-availability using an N+1 active-active configuration and based on real-time database replication and was installed in customers environment using Microsoft SQL Server and in others using Oracle replication (RAC).

Aradial is deployed by operators of all sizes looking to roll out differentiated Voice over IP services.

Aradial VOIP AAA is integrated with most of the popular softswitches and gatekeeper and SIP proxy servers from vendors like Cisco, Alcatel, Quintum, Cisco, Veraz, Nextone, IPtel, Mera, and other compliant devices. Aradial is also
billing integrations

the radius server is integrated with multiple billing software solutions to create a top radius billing software solution:

- rodopi software
- fts - leap nextgen
- advanced isp billing
- others

scalability

aradial radius server provides tier 1 scalability. built on real-time infrastructure, multithreading and multiprocessor along with accounting database partitioning, aradial can support millions of subscribers in high throughput and low latency.

- due to the fact that aradial radius server has excellent performance, low cost hardware is needed for its operations (see data sheet).
Features with 3'rd party VOIP billing systems

- Authentication, authorization, accounting (AAA) and real time VOIP billing
- Full prepaid and postpaid system for Alcatel\Cisco\Quintum gatekeepers/gateways.
- Customer management system.
- Reseller/Affiliate management.
- Full support for Cisco RADIUS VSA to work with IVRs, SIP applications servers, and B2BUAs.
- Full support Alcatel RADIUS VSA compatible IVRs, SIP applications servers, and B2BUAs.
- H323 RADIUS attributes
- Full Prepaid and Postpaid billing support for open source GNU Gatekeeper (http://www.gnugk.org) and all Cisco VOIP VSA compliant gateways, gatekeepers, and soft-switches.
- ANI based (caller id) VOIP billing
- IP Phone and MAC VOIP billing
- Termination billing including wholesale credit limit and fraud control
- SIP, H323 and MGCP billing in the same VOIP RADIUS billing software
- Support for Cisco Debitcard TCL application