



IMS DIAMETER Toolkit

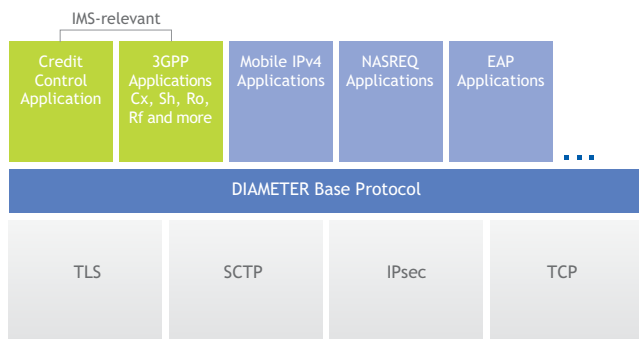
RADVISION IMS DIAMETER Toolkit

The RADVISION DIAMETER Toolkit is a powerful software tool designed for the development of IMS DIAMETER-compliant network elements. It includes all the required development components, including a set of quick start sample applications that demonstrate efficient API usage, a GUI test application, and detailed documentation. Implementing all major IMS interfaces and IETF RFC 3588-compliant, the IMS DIAMETER Toolkit allows seamless integration with IMS-based IP networks (3GPP and TISPAN). Standards-based (IETF, TISPAN and 3GPP), the IMS DIAMETER Toolkit is highly reliable and delivers superior performance.

The RADVISION IMS DIAMETER Toolkit is used to develop both client and server applications. Designed to ensure maximum flexibility, it is equipped with API hooks that allow the application layer to control call flows and objects inside the Toolkit for enhanced application capabilities. The Toolkit allows multiple applications to run over it transparently.

The RADVISION IMS DIAMETER Toolkit is developed totally in house, with no use of Open Source, and is available in C Code.

DIAMETER Protocol



DIAMETER Protocol

DIAMETER is an extensible messaging protocol enabling Authentication, Authorization and Accounting within and across IP multimedia networks that relies on secure and reliable transports. The protocol evolved from the RADIUS protocol but is much more scalable and well defined, has fail-over capabilities, runs over secure TCP/SCTP transport, and more. Its modular architecture offers a flexible base protocol which allows application-specific extensions.

DIAMETER and IMS

The IMS standard bodies have chosen the DIAMETER protocol to enable IMS network Authentication, Authorization and Accounting capabilities.

IMS-specific interfaces were developed in order to standardize the DIAMETER protocol communication in the IMS network.

Supported IMS Interfaces

- Cx - Interface between a CSCF and an HSS
- Sh - Interface between an AS and an HSS
- Rf - Offline Charging Interface between an IMS Core Network Element or an AS and a CCF
- Ro - Online Charging Interface between an AS or MRFC and a ECF

RADVISION IMS Developer Suite

The RADVISION IMS DIAMETER Toolkit is part of RADVISION's IMS Developer Suite, which includes all the signaling and media protocol toolkits and products to easily and cost-effectively meet the IMS challenge. The DIAMETER Toolkit works seamlessly with all RADVISION signaling protocol toolkits.

- > **Protocol Toolkits**
 - IMS SIP Toolkit
 - IMS MEGACO/H.248 Toolkit
 - IMS DIAMETER Toolkit
 - IMS Advanced-RTP/RTCP Toolkit
- > **IMS Application Server Platform**
- > **IMS Client Suite**
- > **ProLab™ IMS Test Solution**

About RADVISION

RADVISION (NASDAQ: RVSN) is the industry's leading provider of market-proven products and technologies for unified visual communications over IP and 3G networks. With its complete set of standards-based video networking infrastructure and developer toolkits for voice, video, data and wireless communications, RADVISION is driving the unified communications evolution by combining the power of video, voice, data and wireless - for high definition video conferencing systems, innovative converged mobile services, and highly scalable video-enabled desktop platforms on IP, 3G and emerging next-generation IMS networks. For more information about RADVISION, visit www.radvision.com

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