LCN Compass Diameter connects a SMS Platform to a Security System

- **A Case Study**

Network operators greatly benefit by avoiding vendor lock-in. Equipment and OSS/BSS vendors gain operator mindshare by making their products interoperate with products from other vendors. LCN Compass Diameter family of products help vendors achieve this kind of interoperability, as this case study illustrates.

LCN

Customer

The customer is a leading vendor of SMS platforms with deployments in a number of networks in three continents. The platform allows an operator to provide a host of SMS services.

Challenge

In view of ever increasing security threats including spams, the customer wanted to integrate the SMS platform with a state-of-the-art security platform from a leading vendor. The security platform examines traffic patterns and marks the traffic according to the perceived threat level.

The security platform uses a Diameter-based interface to communicate with the SMS platform. This interface is based on Diameter Credit Control Application (DCCA, RFC 4006), but has its own variations and extensions.

The customer approached LCN to provide a library that would allow this communication.

LiteCore Solution

LCN Compass Toolkit offers standard (3GPP and IETF) Diameter interfaces. The DCCA interface was modified and enhanced to support vendor specific extensions. LCN Compass Diameter base protocol implementation provided the protocol stack support.

The Result

LCN Compass API enabled the customer to meet the requirements. The customer team was able to learn and integrate the API in two weeks' time. The extensive sample programs helped by reducing the learning curve, as well as by providing the framework for the solution.

The solution easily met the performance requirements of 5000 TPS (transactions per second). End-customer acceptance tests were completed in very short time.

Contact

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