Introduction

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Restcomm GMLC is an Open Source Java based GMLC Gateway Platform that routes GMLC messages from the signaling network to service applications and the other way around. It enables operators to offer real-time interactions to mobile subscribers and deliver interactive content to their mobile phones.

Restcomm GMLC acts as an intermediary platform linking the service applications to the GSM network in a session oriented communication. The platform is easy-to-install and easy-to-deploy allowing you to have the Gateway set up and configured very quickly.

Restcomm GMLC supports TDM hardware offered by major vendors in the market, namely Intel family boards (Dialogic) and Zaptel/Dahdi (Digium, Sangoma). TeleStax also has in-house SS7 cards also known as RestComm SS7 Cards. RestComm SS7 cards have MTP2/3 support on-board and therefore the processing load on the server hosting the Restcomm GMLC platform will be low when you use these SS7 cards.

Restcomm GMLC is based on the robust and proven Restcomm JAIN SLEE 1.1 Server and Restcomm jSS7 Stack. Restcomm JAIN SLEE Server is a highly scalable event-driven application server with a robust component model and fault tolerant execution environment. It provides a set of connectors to a variety of networks elements: SS7 MAP, TCAP, INAP, ISUP, SMPP, XMPP, SIP, MGCP, HTTP, XDM, XCAP, Diameter and many others. It is fully compliant with JSR 240 (JSLEE 1.1). Restcomm jSS7 is a software based implementation of the SS7 protocol. It provides implementation for Level 2 and above in the SS7 protocol Stack. Restcomm jSS7 Stack User Guide is bundled within and you can refer to the guide for more details on the Stack.

The Restcomm GMLC Gateway makes use of HTTP protocol between the gateway and the third-party applications (or Value Added Service Modules). Restcomm GMLC Gateway receives the GMLC request from the subscriber’s handset/device via the GSM Signaling network and then translates these requests to HTTP depending on the rules configured in the Gateway to route to a corresponding Value Added Service (VAS) or third-party application. The HTTP callback mechanism allows the third-party Application to be agnostic to Operating System, Programming Language and Framework.

This guide will assist you in installing Restcomm GMLC . For more details on configuring and using the platform, please refer to the Restcomm GMLC User Guide.