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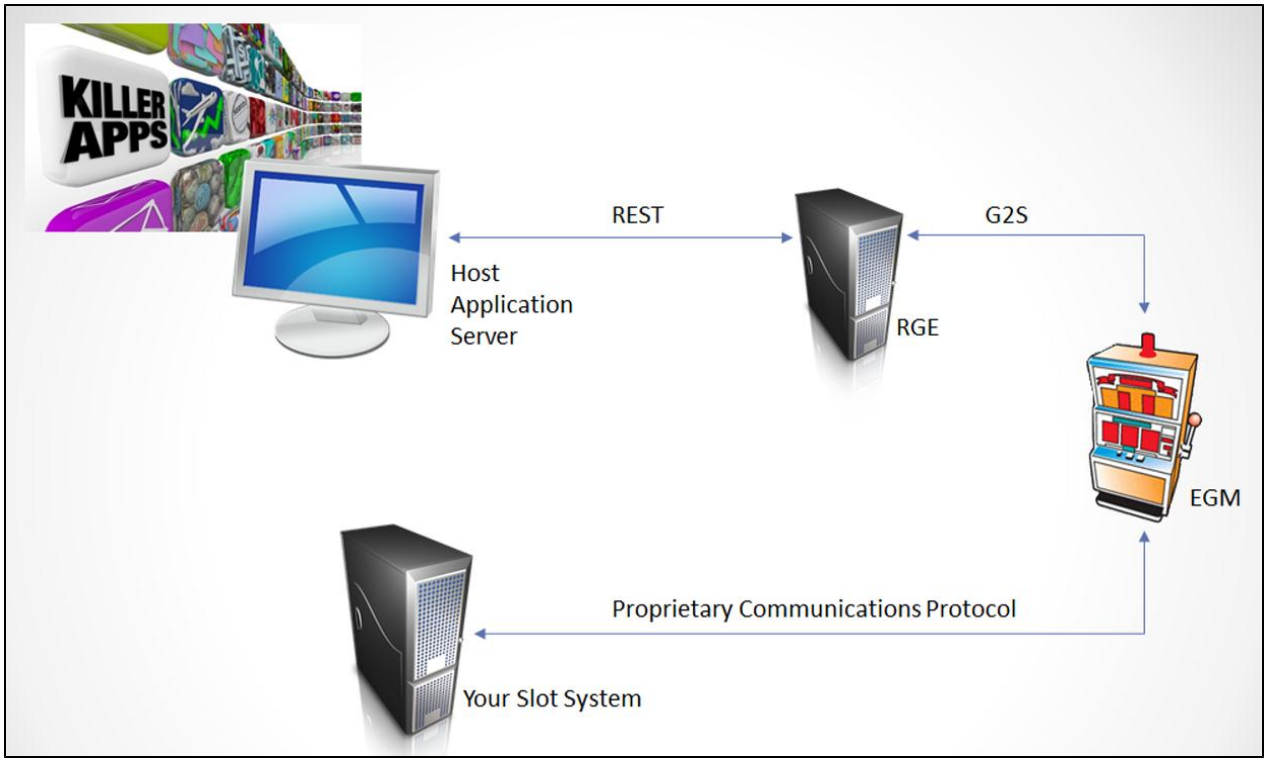
RadBlue
G2S Engine

What Is RGE?

The RadBlue G2S Engine (RGE) allows you to easily add new G2S-based applications to your slot floor without the time and expense of implementing a complete G2S solution *or* disrupting traffic to your current slot system. By handling the complex bits of G2S, RGE allows your development team to focus their efforts on developing new ways to communicate with your players or collect data from your G2S-enabled electronic gaming machines (EGMs).

The design process is quite simple. For example:

1. You create an idea for an exciting new marketing application.
2. You work with RadBlue's experts to decide which G2S messages the new application needs to send and receive to accomplish the messaging with the EGMs and to the players.
3. Your development team creates the application that sends and receives messages through a simple API to RGE.
4. RadBlue customizes RGE to send and receive the required G2S messages from your application to the G2S-enabled EGMs on your floor.



What Are the Benefits of RGE?

- **Simplicity**. RGE does the complex parts of G2S, so you can focus your efforts on developing new ways to communicate with your players or gather data from your EGMs.
- **Effectiveness**. Our team has worked with the G2S protocol since its inception. Our G2S protocol simulators are used by gaming manufacturers and test labs world-wide, and are considered to be the reference implementation for G2S by the gaming industry. This means minimal communication issues with EGMs that have implemented G2S in a standard fashion.
- **Scalability**. When your performance needs grow, RGE can be scaled horizontally, so separate instances of RGE can easily service different groups of EGMs.

What Can I Do with RGE?

The G2S protocol opens up information previously locked inside of the EGM, dramatically expanding the data you can access as well as the interactions you can have with your players through the EGM. Here are some examples of the what you might do using RGE:

- **Manage Yield**. Determine which themes, paytables and denominations on an EGM are the most popular with players and adjust your game offerings accordingly.
- **Reach Out**. Use the Player User Interface at the game to communicate directly with your players while they are playing, using the EGM's touch screen. ("You've just won a free dinner at the steakhouse. Can we reserve a table for you?").
- **Learn more**. Access thousands of G2S events ranging from player events to security events to service events. An interesting application might be to populate a data warehouse or slot analysis system with real-time information directly from the EGMs on your floor.

How Does the RGE Actually Work?

RGE receives G2S messages directly from G2S-capable EGMs. After minor pre-processing, selected content is sent to your host system through an easy-to-implement REST API. Messages from your system can also be sent to select EGMs on the gaming floor using this same API.

Messaging traffic to the slot system is not affected because RGE handles all of the G2S communication and transport requirements with the EGM as a unique G2S host. Most modern EGMs now have multiple communication ports – SAS ports for talking to traditional systems and high speed G2S ports for talking to web-service based systems. And, with G2S, each EGM can talk to *multiple host applications*!

RGE is platform-agnostic. In a typical implementation, RGE runs as a Windows Service and your system interacts with it through an HTTP REST interface, a method that is supported in most programming environments.

For more information on RGE, contact Russ Ristine at +1-775-329-0990 or russ@radblue.com.