

sCore, g2s Solutions

Comtrade Gaming's [G2S Protocol building blocks](#) offer slot machine and slot machine platform manufacturers an optimal way to add support for GSA's G2S protocol. Engaging software engineering services on top of G2S technology and having a complete G2S software solution is just one step away.

BENEFITS

- Short time to market
- Easy to integrate by phased approach
- Light weight implementation
- Feature rich implementation
- G2S 2.1 supported
- Flexible licensing models

FUNCTIONALITY

sCore, G2S Protocol Stack is a full implementation of GSA's Game-2-System protocol that is based on well-established XML and SOAP standards.

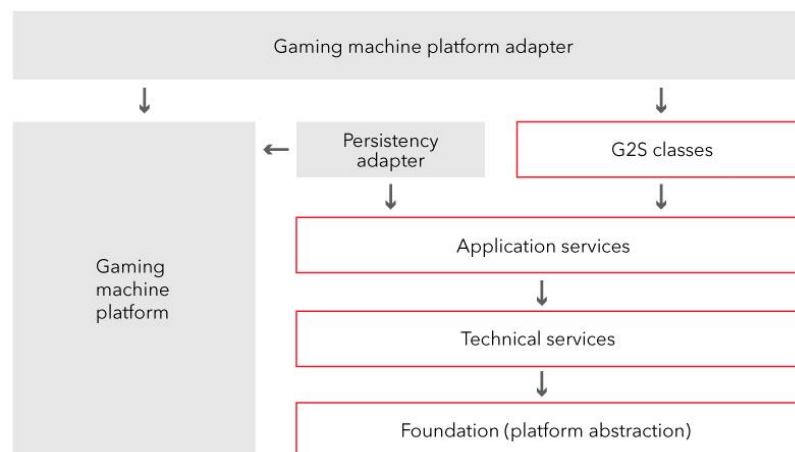
Transport options supported:

- Multicast
- GZIP compression
- SSL 3.0 and TLS 1.0 security with bundled Public Key Infrastructure (PKI).

HIGHLIGHTS

- Engineering excellence
- Regulations related experience
- Integration services
- Custom application development
- Guaranteed "no lock-in"
- Increased competitiveness
- Broad gaming/gambling knowledge

Selecting a G2S solution from Comtrade Gaming will bring the ease of integration and interoperability to the gaming floors running on the G2S protocol. We also cover additions and new functionalities in protocol as they are published by the GSA. Latest published version G2S 2.1 is fully supported. Interoperability with a host running G2S 1.0.3, 2.0.3 and 1.1 is supported through backward compatibility.



G2S EGM side integration

With its low resource consumption (written completely in C/C++) and cross-platform nature it is well suited for targeting any EGM platform and backend host system. EGM and host simulators are provided to speed up integration of the G2S Protocol Stack into an EGM platform or a host system.

sCore

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COMTRADE GAMING AS YOUR TECHNOLOGY PARTNER

- Gaming platforms
- Multi-channel support
- Open standards
- CRM/business intelligence
- Operational support
- Server based gaming

CUSTOMIZATION

Comtrade Gaming provides end-to-end consulting, design and implementation of integration of G2S Protocol Stack with any EGM platform and backend host system. Layered architecture with the Platform Abstraction layer makes the plugging-in of an EGM platform specific and additional services an easy task. The Language Adaptation layer even allows the EGM Platform Adapter integration component to be implemented in a language platform of your choice.

Current language platform support:

- C# (.NET)
- Java
- C++

Comtrade Gaming offers a phased approach to integration to allow more flexibility and dynamics tailored to the customer needs. G2S integration initial phases demand relatively little effort and allow quick elimination of the majority of risks (performance, storage, technical compatibility) involved.

USE CASES

CASINO DEPLOYMENT

Because of a low demand of resources and primarily a high level of customization, the Comtrade Gaming G2S is an excellent choice to connect all casino slot machines (EGM's) from various vendors into a casino management network, capable of managing and monitoring all parameters related to everyday casino operations.

Building blocks are distributed with either source code licensing that removes dependency on particular suppliers or binary licensing. Comtrade Gaming retains intellectual property rights whilst giving customers the advantage of choice.

Aspects that can be covered in such a deployment are:

- Central configuration of all EGM's – VLT, AWP, slot machine, etc.
- Game content and peripheral firmware download
- Live monitoring of all EGM's from security and financial perspective
- Support for progressive, player tracking, bonusing, cashless and vouchers verticals
- Secured communication based on well-established PKI

FIRMWARE AND GAME CONTENT DOWNLOAD

The transition to the new G2S-based communication technologies will open some previously unavailable avenues to the operators. For example, support for downloadable games and firmware, remote EGM management and easier linking to progressives will allow operators to offer more to their customers.

G2S is one answer to the firmware updates of note acceptor and other peripherals. Through its download capabilities, the new version of peripheral firmware could potentially be deployed effectively with very little effort. For those jurisdictions that require a more demanding verification process, we would suggest using G2S GAT class to verify versions of installed peripheral firmware.

G2S download support also allows for new games to be deployed to the EGM remotely or existing games to be updated if needed.



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Comtrade Gaming is a leading independent software supplier to the gaming industry, delivering open gaming platforms and professional services to both the online and land based gaming sectors. Comtrade Gaming's strengths are in the development of enterprise software solutions that are based on industry standards. The company's product portfolio includes online gaming platforms, server based gaming systems, live casino and solutions which enable regulators to monitor and control gaming activities.
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