Intercon Gluon

FEATURES

* The Gluon is a server application that exposes a real-time services API through a common IPC bus known as DBUS, a portable sockets-based IPC mechanism with bindings for multiple programming languages and frameworks including, but not limited to:

-C/Glib
-C++/Qt
-Java
-Python
-Perl
-Ruby
-C#

* The API can be used by client applications with DBUS bindings to monitor and control devices on a remote sensor network

* Allows seamless integration of a remote sensor network with existing monitoring and control applications, by providing a transparent network translation layer that works out of the box as a middleware component in a distributed environment or as a standalone server application

* Highly reliable and available system that works in a desktop or headless server environment

* Services through multiple interfaces including generic, MDOT, and ITMCP-specific.

* Modular, plug-in architecture allows for easy customization, including providing an interface to different backend and frontend interfaces and protocols

* Current version works with Mobitex network via the Intercon ITMCP protocol on the backend, and DBUS on the frontend

* Package includes DBUS XML introspection file used to generate client proxy stub code for languages that support native bindings, as well as sample code that utilizes it.

* A default user interface is provided.

ADVANCED TECHNOLOGY FOR REMOTE SENSING AND CONTROL

The Intercon Gluon provides a professional, industrial-strength software solution for applications to monitor and control remote sensor networks. It provides a flexible, extensible, and modular server that operates in standalone or integrated environments. Gluon provides a real-time services API that can be bound to multiple programming environments through a common IPC bus. This API provides methods and signals that relay data between client applications and remote sensing devices on a backend network. This allows for easy and quick integration with existing remote monitoring and control applications. It can also operate as a standalone solution by providing options that can be used to customize it for use in a particular scenario.

Problem:
A company had an existing remote monitoring and control application written in Java and running on the Linux platform. They were converting from Reflex to Mobitex on their remote monitoring network and wanted to continue using their existing application.

Solution:
The company was provided with the Intercon Gluon server as part of the overall conversion solution with Intercon Electron

Result:
The company was able to easily integrate their upstream application with the new network through the API provided through the Gluon DBUS service. A Java proxy API was generated automatically using the DBUS XML introspection data included with the package.

INTERCON TECH, LLC

8714 Charro Lane
San Antonio, TX 78217
(210) 872-2381
wwww.go-intercon.com