Digital Glue’s priSMS Subscriber Management Web based Application

Highlights:
Scalable, Open Standards-Based, and Modular Architecture
Seamlessly integrated with Irdeto’s Plsys Conditional Access System (CAS)
Intuitive and easy to use interface
Comprehensive and easy access to all SmartCard information
Smart control of access right allocations
Manages entitlement of services and products for subscribers
Multiple and Distributed Client Support
Increase revenue by ensuring that only authorized customers are allowed to receive services based on their profile and account status
Drag and Drop addition of Locations, SmartCards, Products, Packages, and Groups
Right Mouse Click to Send Commands (Delete, Rename, Disable, Send Mail Message, Send Text Message, Force Tune Service, Force Tune Carrier, Overwrite Home Carrier, Force Tune to Home, Refresh Entitlements, Assign SmartCard, Initialize SmartCard, Refresh SmartCard, Reset Parental Code,
Support for Multiple SmartCards per Subscriber
Operator Defined Products and Packages (Add, Edit, and Delete)
Latest Development Technology - ASP.NET, XHTML, SQL, and AJAX (Web 2.0)
Cross-browser compatibility
Drop down SmartCard selection and assignment
Detailed Command Log per Subscriber
Operator Defined Custom Metadata Fields
LAN or WAN connectivity to Plsys
Supports for International Clients such as Province
Rights Control for Administrative and General (Agent) Users
Secure Login
Live Status displaying SmartCard, Subscriber, Product, Package, Group, User, and Command Statistics
Quick Search of All or Specific Data Fields
Reporting for Subscribers and Users with Excel Export
Creation of Free Form Text Notes within each subscriber record
A conditional access system limits access to content in a broadcasting system to authorized users. A Subscriber Management System defines the users and products that the CA system controls.

priSMS is the Digital Glue Subscriber Management System (SMS). It is a front end UI for a Verimatrix and Irdeto Conditional Access System. The CA system is responsible for the technical details of sending authorization commands to smart cards that control the content each STB in the system can use.

The CA system is loaded with the ID numbers of smart cards to be addressed, and a list of products. It does not know about subscribers (customers), bundles of products that make up a package, or any other business logic. The priSMS system provides the function of associating customers with smart cards, and assigning which products or packages each is allowed to access.

priSMS is a database driven web application. The priSMS system is responsible for entering and maintaining subscriber records, as well as its own operator accounts. All VCAS and Plsys users can assign smart cards to a subscriber, associate them with a STB, assign products and packages to a smart card, and add a card to a group.

Actions in the Web UI ultimately result in VCAS and Plsys commands being sent to the CAS. Once a command has been sent from priSMS, the CAS is responsible for maintaining the resulting state of the affected smart card (authorized products, married to STB, etc.)
1. User Log In and Log Out area
2. Tabbed Selection for Selecting - Subscriber, Notes, Command Log, and Custom Data
3. Metadata Window - Subscriber, Notes, Command Log, and Custom Data
4. Assigned Smartcards, STB, Products, and Groups for a Subscriber
5. Drag-and-Drop choices for Smartcards, STB, Products, and Groups
6. priSMS Status Overview
7. Quick Search to find Subscribers
User Login

A user must login prior to being able to search, create, and modify Subscribers

There are two types of Users – General and Administrative
Creating User Accounts

Administrators can Create or Edit/Delete Users from the Admin Menu

Window to Create a New User and Assign a Password

Interface to Edit/Delete Users – Assign Role, See Statistics, and Export to an Excel Spreadsheet
Subscribers

| Subscriber ID: |  |
| Primary Contact: |  |
| Secondary Contact: |  |
| Address: |  |
| City: |  |
| Province: | Postal Code: |
| Phone: |  |
| Mobile: |  |
| e-mail: |  |

New Subscribers are created by clicking on the “Insert New Subscriber” Link

Subscriber metadata is displayed on the main window under the “Subscriber” tab
A “SmartCard” must be assigned to the Subscriber prior to determining the Location, STB, Products, and Groups.

Items are drag-and-dropped from the “Available” tree to the “Assigned” tree.
Right Click to display the available command menu

When deleting an item you are always asked for confirmation
Notes

There is a Notes tab so comments can easily be added to a subscriber record.

Command Log

All commands for a subscriber sent to the Plsys system are logged and displayed under this tab.
**Custom Fields**

Users can add new entries to the Custom Fields

Administrators can create an unlimited number of custom fields.
Search

The “Quick Search” allows fast access to a subscribers record

As you type, a list of subscribers meeting the search criteria is displayed

Status

The “priSMS Status” area on the main page provide vital system information
System Setup

**priSMS Global Settings**
These settings are for all users and effect the connection to the priSMS server

- **priSYS Server IP Address**: 10.10.10.2
- **priSYS Server Operator**: TBCOP1

The IP Address and Server Operator are configured by an Administrator for connecting to the PIsys System

Help > About displays the current version of priSMS
Drag a “Package, Group, or Product” to the left tree to create a new system item.

Right click to send system commands.
Edit a name inline by double clicking on the text

Reports

Subscriber Database

<table>
<thead>
<tr>
<th>Sub#</th>
<th>Name</th>
<th>Name2</th>
<th>Address</th>
<th>City</th>
<th>State</th>
<th>Zip</th>
<th>Phone</th>
<th>Mobile</th>
<th>Email</th>
</tr>
</thead>
<tbody>
<tr>
<td>11:30</td>
<td>Beth Gordon</td>
<td>TBC Lab</td>
<td>1234 street</td>
<td>abc</td>
<td>ca</td>
<td>32659</td>
<td>1235698645</td>
<td>1235698745</td>
<td>1@two</td>
</tr>
<tr>
<td>11:33</td>
<td>Tim Anderson</td>
<td>Joy Anderson</td>
<td>7000 St Mario CC Pkwy</td>
<td>Duluth</td>
<td>GA</td>
<td>30097</td>
<td>770 232 0000</td>
<td>404 918 0000</td>
<td><a href="mailto:dg@gmail.com">dg@gmail.com</a></td>
</tr>
</tbody>
</table>

Finished/Close

Administrators can view all subscribers in a table form

Many database record types can be downloaded as an Excel spreadsheet.