



WEB BASED MANAGEMENT system for ISPs and Telco providers

MANAGEMENT SOFTWARE FOR ISPs

iPOP is an easy to use ISP management system designed to automate all ISP day to day management work such as customer activation, email notifications, automatic suspension of accounts. Online POS with credit card or manual payment system.

iPOP was designed to automate the operations of ISP's (Internet Service Providers), ASP's (Application Service Providers) and Telecoms Providers.

iPOPISP has a Cyber Café/Hotels/Airports module that can be "added" to the main system or "work on stand alone basis".

ISP AND ASP's

- Organized based on a tree structure concept which allows user separation based on a 'Reseller' model. It features various 'levels' of control. i.e. has many built in security mechanisms for access control. The following classes are available: Root / Agent level / Salesmen / Operators / User level.
- Clear "online real time revenue share statements" in the ISP part and a number of other controlling company operations.
- All customer activation can be done online (with credit card processing) or at specific shops, this being the case most often seen in countries where credit cards are not often used.
- Root can specify all Tariffs and Services available for one or more agents and their respective Revenue shares.
- All services are automatically activated as per the tariff purchased by the user.
- Real time configuration of all services such as Dial-up access, ADSL access, Email, webpage creator and others.
- Third party services such a Domain, Web Hosting, Photo Albums, Paid News and others possible.
- Online real time "T" accounts gives a full and clear control with online statements of account for all entities involved... User, agent, salesman etc.

TELCO's TV BOUQUET PROVIDER

- The system is designed to work with "Public Operator soft-switches".
- Fully tested and in full operation with Redwood Switches. (www.ipopisp.com)
- Activation of PRE-PAID cards, TOP-UP cards, Virtual FAX 's and Phones, POST-PAID services all in real time.
- Interface with the "switch" to activate services in real time.
- Clear billing information on the online "myISP" , through e-mail or printed material.
- Export of Excel compatible file (CSV), to permit proper book-keeping of the calls
- Deactivation of phone services (receiving and/or making calls) on pre-defined hours and/or days, to block improper use of the outgoing calls.
- Compatible with "any" software switch although specific models would need to be studied on a case by case basis.
- Activation and De-Activation of TV bouquets

FAST SET UP AND INSTALLATION AND FULLY SCALABLE

- System can be set up in one day
- At least one specialized engineer is required for future support of servers, back-ups, monitoring; Remote monitoring possible.
- Can start with all services in a single server connected to a router and a modem rack but ideally should be installed in 6 servers with RAID'ed drives specifically 3 for day to day work and 3 for back-ups and mirroring of databases.
- For future scalability and support for the hardware and software knowledge of SQL /PERL/PHP and Linux or BSD is recommended at the ISP – NOC.
- Specialised team can assist with migration from almost any set of existing management /billing & authentication / servers mechanisms.

OTHER APPLICATIONS

- iPOPISP have been developed on a "tree structure" concept. The ISP/ASP/TELCO is just one part of the system as it was built in a way that many new applications can "snap in" to this framework.
- Online bank statements is one of the "easy to integrate" services that can be integrated.
- E-learning activation and sales is another.
- Go Remote (ex-GRIC) and IPASS Roaming services interface for billing.

CONFIGURABLE SOLUTIONS

- iPOP can be customized. Each client is unique and specialised requirements can normally be easily & quickly catered for.
- iPOP can also be supplied in a turn-key solution along with hardware and tested & pre-installed servers. Migration from virtually any other system is possible with proper planning and next to no downtime would occur.

GENERAL SPECIFICATIONS

ISP SERVICES

- Internet access via Dial up and PPOE/ADSL.
- Email.
- Webspace with FTP and Web-access.
- Userfriendly web page creator, no HTML knowledge needed by the user.
- System is open for other web activatable services.

SOME TECHNICAL INFORMATION

- Radius server control (Radiator).
- Statistics (Built-in).
- Book keeping (Built-in).
- Linux or BSD.
- MySQL / InnoDB.
- Postfix mail server.
- Apache 1.4 or 2.
- Webinterface for all Browsers (Clean HTML4 code or XHTML).
- Phone system (RedWood tech).
- DNS (SRS-Plus).
- Wireless internet and FWA systems (Radius).
- Wimax compatible.

OTHER INFORMATION

Through "myISP" the user have complet information on his account

- All the account log's.
- Password changes.
- Billing information.
- Web mail and routing of the e-mail to other account.
- Web creator and file management.
- Dial up log's last 365 days information.
- Clear immediate online statements of account.
- No "credit card" information is recorded in the system... Each operation is securely processed directly.
- Excel compatible down load of account statement, CDR's and Log's.
- Phone de-activation in "dead hours" for "making calls" or "making and receiving calls". *
- UMS for Virtual voice calls, fax's and conventional mail.
- 100% web based.
- Based on OpenSource software.
- Full sourcecode available and rights to modify for own needs.
- Documented API.
- Multiple languages that can be selected after log in; Existing languages are English, German, Portuguese and French.

