



· **E-PSYLON**
 · <http://e-psylon.net>
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E-PSYLON VoIP Billing



E-PSYLON is a professional VoIP billing solution that has full featured versions for *LINUX* and *Windows* operating systems. It is a cross-platform software that is compiled to a native executable standalone server-application for each different OS in order to provide the maximum capacity, speed and optimal performance with a 100% OS compatibility. Its main goal is to produce a completely fast and reliable VoIP accounting and billing service in one. Even more E-PSYLON succeeded to develop and evolve into an uniquely easy to use and maintain system totally configurable by web-interface. Currently it supports CISCO, QUINTUM, GnuGK and Micronet.

Features

- Operating systems: LINUX & Windows.
- Integrated RADIUS server. E-PSYLON's RADIUS server is an intelligent RADIUS server (in-memory cache of working data, auto detection of duplicate packets, etc). The RADIUS server uses external text configurations for each device type it operates with. Adding support of a new device type will NOT require (in almost all cases) additional programming.



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- Supported devices: CISCO, QUINTUM, Micronet, GnuGK (OpenH323 Gatekeeper) & SNOM 4S Proxy.
- Supported Services:
 - Origination and Termination with CISCO.
 - Proxying with CISCO IP-to-IP Gateway.
 - Origination and Termination with QUINTUM.
 - Origination and Termination with Micronet.
 - Proxying with GnuGK (OpenH323 Gatekeeper).
 - Proxying with SNOM 4S Proxy.
- Integrated AAA and billing by PIN code, Calling Number and IP Address (AAA stands for Authentication/Authorization and Accounting).
- Billing is in real time (immediately after the call has been accounted).
- Unlimited amount of pricelists. Each pricelist has variable number of destinations.
- Additional abilities to apply specific rates and billing models by prefix in a pricelist.
- Different tariff plans per account (call rounding, free seconds, minimum charged seconds).
- Tariff plans per destination in a pricelist that override the one of the account. You can apply specific call rounding per destination.
- Complex user accounts – each user account may have one or many PINs, phones and IP addresses. All calls made through



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any of its PINs, phones or IP addresses count towards the bill of the user account.

- Centralized billing of all VoIP scenarios in a single user bill.
- Integrated prefix rewriting to E164 format of the destination number (Called Number);
- Integrated prefix rewriting to E164 format of the Calling Number (in case of different calling number format at different POPs).
- User blacklist (by their Calling Number identification).
- Completely database oriented.
- Detailed log files.
- Logging features to external syslog server.
- Add-ons and extensions: WatchDog.
- Integrated web-interface that fully controls any aspect of the system. With the web-interface you turn your browser into an universal tool for remote control of all your VoIP billing services.
- Online payment and account recharging. Supports PayPal, Authorize.net, Net1, etc.
- Import of pricelists from almost any text-delimited format (configurable import).
- Export of data (CDRs, Pricelists, Accounts, PINs, phones, IP addresses & Devices) to:
 - MS Excel
 - XML
 - Text delimited format



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- Credit limits and deposits per user account, PIN, phone and IP address. Prepaid/postpaid models.
- Automatic billing cycles. Different billing periods per user account. Automatic and periodic e-mail notifications to users about bills and call summaries.
- High capacity and speed – with its in-memory caching it will optimize the speed and processor load by reducing the number of SQL queries to an optimal value depending on your VoIP traffic.

Requirements

- OS: LINUX or Windows.
- RAM: 256 MB (recommended 512 MB or more).
- CPU: 1 GHz
- MySQL (version 3.22.24 or higher).
- Web server: Apache, Microsoft IIS or any other that supports CGI. PHP with support of sockets.

Business Solutions

- Prepaid calling cards with CISCO, QUINTUM and Micronet.
- Prepaid and/or postpaid home and corporate users with PIN code or ANI (Automatic Number Identification).
- Prepaid and/or postpaid wholesaler traffic for termination or proxying to third party VoIP partners authorized, accounted and billed in real time by calling IP address.



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- Prepaid and/or postpaid PC-to-Phone calls through OpenH323 Gatekeeper or CISCO IP-to-IP Gateway.
- Prepaid and/or postpaid services for IP-hones/soft-phones in a VoIP network.

Online Demo

- <http://demo.e-psylon.net>

