



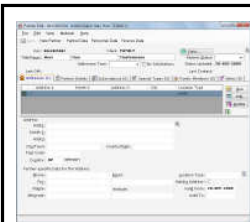
Free and Easy-to-use Administration Software Package for Non-profit Organisations

OpenPetra offers an integrated solution for contact management, personnel, accounting, donor services, conference organisation and more.

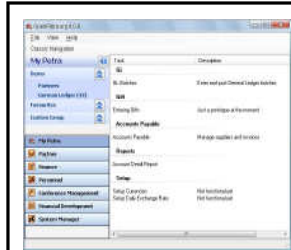
The long-term goal:

The vision is for OpenPetra to be an established solution, with can be used by missions organisations and charities, for which they would not need to pay a licence fee.

Emerging mission organisations in populous countries of the world will be able to adjust *OpenPetra* to their own culture and organisational style.



Managing addresses



Main navigation screen with modern User Interface

Milestones of OpenPetra:

The development of Petra, the predecessor of *OpenPetra*, began in 1993.

In 1997, OM Switzerland was the first office to start using Petra.

Today more than 80 offices are using Petra, and every day several hundred people work with Petra.

Preparations started in 2004 to switch from the previously used proprietary 4GL database and programming language to a solution based on .Net.

In March 2009 work started on *OpenPetra.org*.

In June 2009 the *OpenPetra.org* website went online and the source code was published at Sourceforge under the GPL license.

What is the scope of the OpenPetra functionality?

OpenPetra is based on the sophisticated database of the current Petra product which has been refined over the years. Petra is a tool that was developed in-house by OM. OM is in need of changing platforms of the current Petra product and with the chosen OpenSource approach many organizations can benefit as well as contribute from different parts of the world. To understand what OpenPetra will include here is a brief introduction to the planned functional scope.

OpenPetra is a computer-based information system which is designed to meet the important administrative needs of an international mission group with offices in many countries. It will be possible to run it as a standalone system or a network version, depending on office size and needs.

OpenPetra will be offering the following integrated modules:

Partner Module: Contact management tool recording address and other contact information of e.g. individuals or organizations, setting up of subscriptions, etc.

Finance Module: Provides a general ledger, gift receipting, accounts payable and budgeting. Supports transactions in any currency.

Personnel Module: Management of personnel and application data. Processing of data for participation in short term events.

Conference Management: Supports a person managing a conference in recording who will attend, payments, assignment of accommodation, organisation of groups for activities, arrival and departure arrangements.

Financial Development: Supports those responsible for funding projects.

System Manager: Allows the system administrator to assign access permissions to users, set-up printers, etc.

In all modules there will be reports available that the user can customize to their needs regarding sorting and field selection as well as export of data into Excel.

More information and early preview versions available

for download at <http://www.openpetra.org>;

You can also get in contact via the forum on the website, or write to info@openpetra.org

We are looking for:

Programmers, who know C#, XML or SQL

Graphic designers for the website and also for the toolbars and icons in the program

Testers: Errors have to be discovered before they can be resolved!

Writers for the manuals

Translators for many languages so that *OpenPetra* can be used worldwide

Bookkeepers, Personnel administrators, and other **administrators**, who can use their experience to contribute valuable suggestions and solutions

People who give and pray, and support the project by watching it grow and helping where they can.

Work at your own speed with individual management of time:

Software specialists who have a full-time job can help one evening per week

Self-Employed people can keep one day a week available for *OpenPetra*

Students can use their summer break to gain some real life application development experience

Retired people who enjoy using a computer can help hunt for bugs

If you want to join full-time, please contact the OM office in your country: <http://www.om.org>

We use modern tools:

- Support of Windows, Mac, Linux using the .net/Mono platform
- Decentralised version control system using Git
- Generated source code avoiding unnecessary manual coding and preventing bugs
- Wiki for sharing knowledge
- IdeaTorrent for voting about proposals for new functionality
- Mantis Bugtracker which helps to keep the overview about bugs and work items
- Forum for discussing and helping each other to find solutions for problems
- Up-to-date website with weekly blog postings and daily Twitter updates.

What is special about OpenPetra?

Based on the proven technology of Petra

- ◆ Client/Server system, 3-tier architecture
- ◆ Server runs on Linux and Windows, Client runs on Windows

Contains Petra's Finance package for *worldwide* usage

- ◆ Comprehensive, true multi-currency, double-entry bookkeeping
- ◆ General Ledger, Gift Entry, Budget, Accounts Payable, International Clearing House
- ◆ Petra's Finance Module is trusted by OM's bookkeepers, OM and external auditors alike

Custom implementations for specific terms and specific functionality

- ◆ Currently the core of the product is organisation-neutral, OM specifics removed
- ◆ Planned features
 - ◇ Organisation-specific terms replacing terms used throughout the product
 - ◇ Organisation-specific functionality will be contained in organisation-specific plug-ins

Languages/Internationalisation support

- ◆ User Interface can be translated into many languages
- ◆ Translations can be done incrementally
- ◆ Online and offline tools for translators available

Outlook 2007-like menu system

- ◆ Modern, familiar and intuitive interface for the user
- ◆ Very flexible menu structure, XML driven, easy to extend
- ◆ At the moment has a rather simple look-and-feel, still in development

Various installation options

- ◆ Standalone (small offices, laptops)
- ◆ Network (usual office scenario, one server per office needed)
- ◆ Centralised solution (SaaS) (central servers)

SaaS ('Software as a Service') setup (optional)

- ◆ Clients access central OpenPetra Servers on the Internet, not on local network
- ◆ Data is encrypted, no need for VPN
- ◆ Currently in development

Client can run on other OS's than Windows

- ◆ Works on Linux Desktop Managers and MacOS X
- ◆ Layout is currently inferior to Windows
 - ◇ Automatic Code generation will help in overcoming this
- ◆ Would need more work put into it
- ◆ Not a high priority – but we certainly welcome contributions!

Web Browser Client possible

- ◆ Communication is done by using Internet Standard SOAP WebServices
- ◆ Data will be encrypted over HTTPS protocol
- ◆ Showcase web browser application started
 - ◇ Basic, but proves the concept
 - ◇ Utilises JavaScript in the Web Browser
- ◆ Would need more work put into it
- ◆ Not a high priority – but we certainly welcome contributions!

Automatic Code Generation for forms

- ◆ Developer writes a form definitions file (YML) which defines the fields on the screen and the layout structure
- ◆ Code Generator creates source code for Form layout + helper code + stubs of other code

Plug-in architecture

- ◆ Authentication against different systems
- ◆ File Import/Export

Database Abstraction Layer

- ◆ Allows 'pluggable' support for DB systems
- ◆ PostgreSQL is the primary supported DB system, SQLite and MySQL are also supported
- ◆ Support for other Relational DB systems can easily be added