

INTRODUCTION

dotProject –is a project management package, voluntary supported by groups of programmers. Behind this project it is no any companies, it is guided, technically supported and developed by groups of volunteers and other persons independently. The given software freely distributed.

Development of the project is begun in 2000 by organization dotmarketing.org, dotProject was developed as the form of a noncommercial control system by projects.

The present basis (till now available since 2005) specifies, that dotProject an alternative package to products Microsoft and other expensive commercial appendices.

1 Installation of the dotProject

Installation requirements:

- PHP версия 4.1 or later
- Apache Web server (one of versions 1.3.x or 2.x)
- MySQL Server (the version 3.23.x)
- The latest dotProject a file загрузки (www.dotproject.net)
- MySQL should have an opportunity to create time tables. Without it the design module will not work!

The install archive does not include a file config.php. If you install a new copy then the file will be generated as set forth below.

The installer will check up and will specify if the variable of adjustment PHP `register_globals` is included. For your installation dotProject `REGISTER_GLOBS` it is necessary to OFF. If you use other appendices demanding the included parameter (`REGISTER_GLOBS ON`) that goes “counter to recommendations” then use a file `.htaccess`.

STEP 1:

Unpack the distribution kit in yours каталоге the catalogue a web of a server.

STEP 2:

Check up in correct adjustment a web of a server. Direct your browser on installation dotProject.

Be convinced, that have included adjustments of your server. For example, if you install on `http://mydomain.com/` and you have unpacked in `public_html` the catalogue URL for use will be `http://mydomain.com/dotproject/install/`

IMPORTANT: If you have received the message on a mistake or listing of directories then your web the server does not support `index.php` as an index of the catalogue.

STEP 3:

Before continuation of installation, reconsider messages on page since some installations can lead to partial or full refusal of install process.

To you as, probably it to be necessary to establish changes in access rights to directories to enable to record of the basic configuration files. After corresponding adjustments click on the button “Start Install».

STEP 4:

From this part the page «Database Settings” will be highlighted on the screen.

The type Database Server should be changed on MySQL while you будете to undertake measures for work with different DB.

Enter a name of a host of your DB. Often it is the same host, as your web a server, therefore it is possible to leave by default as localhost.

Enter a name of a DB which you have preliminary created or if you have the rights to create a DB - a name of a new DB. The DB should not have any tables or other data at this stage.

Enter a name and the password of the user (NOT web server’s or ftp) the having right to access of the above-stated DB.

If you had not time to create a DB and your user of a DB has the sufficient rights, note Create Database. Otherwise leave the button of a choice empty.

Creation of a DB:

Some people have difficulty in concept of the following:

Инсталлятор will create a DB if you have chosen Create Database and MySQL which user you have named has the corresponding rights, for MySQL to carry out it. Otherwise it will not pass.

If the DB already exists (i.e. you used in their creation) you should not choose some other means Create Database.

You can freely leave other options blank.

Press “upgrade db and write cfg”.

If everything is all right following page will display progress of installation dotProject. The Most widespread mistake at this level – the incorrect description of a DB. If business in it, return on the previous page and enter correct descriptions.

STEP 5:

When installation will be completed, you will ask to cut out and insert contents of a file of configurations in dotproject/includes/config.php.

It can occur if the web cannot write down a server in a directory «include». If it is specified, create a file config.php with the information displayed before **кликком** on Login and “Configure the dotProject System Environment link”, differently you will be redirected on initial process of installation.

When you click on “Login and Configure the dotProject System Environment link”, you receive inquiry about registration.

Login by default “admin”, the password “passwd”.

STEP 6:

Remove an install directory from an environment dotProject. Not having made it, you can subject system of safety to risk.

2 Difficulties connected with installation dotProject.

on 4 step of installation, delivery of the following message is possible. The given message is deduced in case of incorrect installation dotProject! For elimination of the given mistake it is necessary to establish dotProject from a directory “ ../Install / ”.

On the given step of installation becomes clear, that the user does not have corresponding rights for creation of a DB. For detour of the given problem it is necessary to change a name on “root” the password on “triadpass” (see fig. 1.2) for the given case, or on “admin” and “passwd” accordingly. Then, we shall receive such result:

3 dotProject. Purpose

dotProject it is the administrative project meaning that it is developed for the help in manipulation of the certain works.

Managers of the project can use system for adjustment of the certain problems, demanding to be executed and for which should be:

- Necessary dates are appointed;
- (Parental/affiliated) attitudes are certain;
- The certain interrelations are established;
- Human resources for performance of problems are appointed;
- Other physical resources are appointed to problems;
- Stage-by-stage adjustment of the project;
- Use of the information on a condition prepared by members of the project for a management of planning/performance of the project;
- Records of the basic design information (such as the sheet about needs, the ostentatious budget).

Members of the project can use system for:

- Updatings progress of performance of problems, creations of reports for recommendations to other workers of the project about a condition of problems;
- Managements of daily congestion of work by use of various kinds of design problems;
- Access to creation of files, support of the documentation for tasks in view;
- Discussion of questions at issue with other members of the project by means of forums;
- Management of the registry for problems, events.

dotProject carries out daily management *планируемыми* design parameters.

Also there are auxiliary modules: communications (reference), journalizing, management of physical resources and other modules which are worthy (the ready language modules, created language modules described in help rates).

4 dotProject. Examples of use

dotProject as carries out the decision of other problems in which there is a set of problems of time planning.

As dotProject the administrative project, you can adapt it for any planning congestion of works, for example:

To use it, and then to carry out monitoring process of work carried out for clients, for example:

- An arrangement of gardens;
- Development of plans of trees, arrangements of beds;
- Receptions of the statement of drawings by the client;
- Planning offered sites of the ground;
- Drawing on the plan of existing plants, their moving;
- To order a soil layer and fertilizers for delivery;
- To order new trees, bushes and др;
- Change of plants.

Receive the greater technically equipped project, such as development website and you can use the same principles:

- To build preparatory designing;
- Reviews and the statement of designing by the client;
- Registration of domains;
- Installation DNS / SDNS;
- Development of prototypes of homepages;
- The review of prototypes, etc.

If you have the projects demanding the list of problems carried out in certain time frameworks – then dotProject can be useful to you.

5 dotProject. Modules

Standard modules dotProject are:

- Company / Contacts Modules – service of the list of the companies and contacts with which is carried out management of the project.
- Projects / Tasks Modules – an establishment of projects and problems connected with the project.
- Calendar Module – management of events.
- System and User Administration – for installation of system and your user DB.
- Files Module – for management of files of the project.
- Forums Module – for the organization of debatable forums which can be connected with your project.
- Resources Module – for management of resources (not human) and their bindings to the project.
- Ticketsmith Module – entering certificates of the request.

Additional modules – the divided components which can be incorporated in your installation dotProject.

6 dotProject structure

Files and directories

Further the structure of files in Linux similar style where is shown [.] It is replaced for dotProject the root catalogue:

File / Directory	Description
./	The root directory
./ChangeLog	Log file for changes in cvsTree
./fileviewer.php	File viewing script
./index.php	The core application file providing error reporting, loading all main classes, loading and providing all standard variables, loading the UIstyle header and footer, locale settings and the module part.
./classes/	Repository for all main classes
./classes/date.class.php	dotProject implementation of the PEAR Date Class
./classes/dp.class.php	dotProject parent class to all database derived objects
./classes/libmail.class.php	Containing the dotProject specific mail()-function
./classes/ui.class.php	The Application User Interface Class
./*/index.html	File preventing Directory Listing
./db/	Directory containing sql schemata for populating or updating a database
./db/dotproject_[v].sql	File containing sql schema for populating a new database according to version [v]
./db/upgrade_[v1]_to_[v2].sql	File containing sql schema for updating an existing database fom version [v1] to [v2]
./docs/	Directory containing some User Documentation
./files/	Repository where files are saved in dotProject
./files/temp	Repository where the dotProject framework temporarily writes i/o-Output
./files/[0,1,...]/	Repository where User generated files are saved
./images/	Directory containing common images
./includes/	Directory containing several files, i.e. permissions handling, database connectivity, configuration settings and a mail gateway script
./includes/config-dist.php	The configuration file for dotProject with standard or empty values (as distributed) providing global config variables
./includes/db_connect.php	Common library of non-db specific functions
./includes/db_mysql.php	MySQL Database Abstraction Layer
./includes/gateway.pl	An email gateway script for trouble ticket managment or helpdesk module
./includes/main_functions.php	Library of global general purpose functions, i.e. HtmlSelectBoxes, htmlFormSafe, ImageHandling, Retrieve of SystemValues etc.
./includes/permissions.php	Library of functions for permissions handling
./lib/	Directory containing php and javascript classes and libraries, i.e. PEAR Date Class, PEAR vCard Class, ez pdf generation class, jggraph GANTT CHART Library and a javascript calendar
./locales/	Directory providing i18n and l10 support
./locales/[lang]/[mod].inc	Translation File containing comma separated translation strings as values of an indexed array (dictionary) for language [lang] and module [mod]. These files are automatically loaded by dotproject/index.php
./misc/	Files and directories for miscellaneous purposes
./misc/debug.php	dotProject debug function
./misc/mime.types	File containing apache MIME types
./misc/cvs2cl/	Directory containing a perl script generating a ChangeLogFile? from cvs commit information
./misc/holidays/	Some localised holiday information
./modules/	Repository for core and user modules
./modules/[mod]/ addedit[obj].php	File that is commonly used for UI add or edit procedures concerning module [mod] specific objects [obj]
./modules/[mod]/[mod].class	Module specific Object Class for module [mod]
./modules/[mod]/ do_[obj]_aed.php	File realising all database relevant procedures (store, delete, change) for an object [obj]
./modules/[mod]/index.php	Core File of the Module [mod]
./modules/[mod]/ vw_[prop]_[obj].php	File usually showing informations concerning some properties and/or objects. The file is usually appended on other parent files and is shown as flat table or in a tab view.
./modules/[mod]/images/	Repository of module specific images
./style/	Directory containing several UI styles (themes)

The mentioned below section shows methods and properties of class CDpObject. It is an abstract class for objects БД.ОН it is located in/classes/dp.class.php. It is a base class for such widespread modules as the companies (companies), products (products), contacts (contacts).

Properties:

\$ _tbl – the Name of the table of a DB within the limits of the chosen object.

\$ _tbl_key – the Name of a column of the table of a DB containing a primary key.

\$ _error – the Container of mistakes.

Methods:

bind (\$hash) – Connects data containing in \$hash to object. It is often used after POST a method of data transmission for \$ _POST variables of a class.

load (\$oid=null, \$strip=true) – Loading of data from a DB in object of type \$oid, a storing primary key in a DB.

store (\$updateNulls=false) – Performance of commands INSERT/UPDATE for a DB, depending on a condition of an intraobjective primary key, transfers all properties of object to the basic column of a DB. If the primary key zero or «null», store () executes command INSERT, differently – UPDATE. The given method returns NULL at successful end or a line of a mistake.

canDelete (&\$msg, \$oid=null \$joins=null) – Makes various cross checks with other modules. It is overloaded for Does various dependency checks with other modules, etc. Commonly for usual use.

delete (\$oid=null) – Deletes data from a DB of the object specified in \$oid.

THE LIST OF THE USED LITERATURE

1. The official Internet-site dotProject – www.dotproject.net
2. The electronic directory on language PHP– www.php.net/docs.php