

## EZSurvey2007 for the Internet

Major features and specifications are listed below.

1. [Introduction](#)
2. [Special Features](#)
3. [Form Design](#)
4. [Powerful Database Management](#)
5. [Statistics and Analysis](#)
6. [Web Capabilities](#)
7. [Email Capabilities](#)
8. [Other Distribution Capabilities](#)
9. [Security Protection](#)
10. [System Requirements](#)
11. [EZSurvey2007 Professional](#)
12. [Support for Distinct Applications](#)

### Introduction

EZSurvey is designed to provide ease and power for surveys and questionnaire forms, while maintaining affordability.

EZSurvey quickly creates flexible and attractive electronic data collection forms as HTML Web questionnaires or text and HTML e-mail. It is a tool for either novices or experts, for use with either simple or complex forms. EZSurvey provides easy design with many powerful functions available to end users. The main form design screen efficiently controls all the elements of question creation, validation and skip-by-response. All possible question types are supported including multiple choice, text entry, list boxes, and unlimited comment write-ins. It automatically generates the accessory Web server programs needed to collect the responses. It will also connect directly to most e-mail servers for text questionnaire send out. Automated e-mail response collection is included. Results can be immediately displayed and exported as charts and tables, and may be viewed in real time on the web or posted to the web in PDF format. EZSurvey for the Handheld creates survey forms for use on handhelds. Support for the physically or visually impaired is included with the 508(c) design option.

### Special Features

- Survey participants can **save their responses** and return later to finish.
- You can skip to a different question or to different pages depending on the question or response to a question that is selected.
- The new **Raosoft EZSurvey Personal Server lets you preview** a multi-page validated form without a web server. You can check validation and skip patterns immediately without publishing.

- After a response you can **have a follow-up question** appear in a dialog box, asking the user to write in their response. Use the follow-up question to have respondents specify when they select "Other".
- You can **place Help buttons** on the form that open up help windows when clicked.
- Use the new **Raosoft AutoStyle** templates to apply a standard "look and feel" to your forms for quick design and known appearance.
- For fast speed design, **Import Questions** allows you to import questions from a "Form", "Document", or "Database" in one quick transfer.
- **Connect with an HTML editor** with one click, or enter your own HTML tags in a plain-text question (or other type question) to insert images, horizontal rules, and other items to liven up your form. You may use any type of image.
- You can have **horizontal responses and table layouts** of questions! The table editor will automatically format the table cells and rows for you.
- You may **edit the database** in an easy worksheet layout. You can right click on a cell and select a different response or double click and edit the text of the response.
- The Professional version has **ODBC connectivity** with both the web server and desktop program.
- You can **mask the text of write-in fields** to ensure only numbers for SSN's, only letters for names, etc.
- You can **save data after each page**, so that if the user is not able to finish the data is still saved. The participant can reenter if you allow that option.
- **"Restrict By Date"** activates a survey between a specified start date and a specified end date. The survey will only allow access to data entry during that designated time period.
- **Unicode support** means that surveys to any country are possible now, and you are not limited to the western alphabet countries.
- You may **create forms for Palm, Pocket PC, Windows CE, and Tablet** handhelds. You can preview the handheld form instantly.
- The new EZSurvey Personal Server can provide **Kiosk mode** so that only the entry form is available to the participant during entry.
- The **open standards** of EZSurvey let you modify it to fit your needs!

## Form Design

- **Export to RTF** is a new menu option that increases the survey developer's ability to edit and format paper survey forms more easily in a word processor.
- **Import Questions** (*Pro only*) provides versatility in survey design or modification. Questions can be imported from a "Form", "Document", "Spreadsheet", or "Database" in one transfer.
- **Improved designs for the Template Editor** (*Pro only*) includes modern enhanced development with CSS and DHMTL for new AutoStyle templates.
- Improved **Active Preview** window to view the HTML display of your design as you type.
- **Duplicate/Delete Page** has improved section (page) editing within the survey form.
- The full **Preview** feature has been optimized for speed.
- **Improved Unicode support** extends ease of creation in a foreign language.
- **Rename Fieldnames** changes all fieldnames in the survey form to default numbering (Q1, Q2, etc.) to match the order of questions within a database.
- **Upgraded SQL database support** for the latest versions of standard SQL databases (SQL Server, Oracle, Sybase).
- **Online Help** is extended to include all new features plus an FAQ from beta testers.

- **Edit the Online Help** for site-unique procedures and rules
- Additional **error alert messages** have been added to help guide the end user throughout EZSurvey, from the authoring process through to the reporting process.
- **Customize error alerts** to apply to your organizational environment.
- **Design questions** in yes/no, multiple choice, open-end comment, weighted score, date, time, numeric format; use the Raosoft developed Rank Order question type and draw from question libraries.
- **Question Library function** has been enhanced to paste text from the Windows clipboard and deleted questions or text.
- **Choose the “piping” option** to display previously answered responses in a later question.
- **Pipe function** allows write-in to be utilized in other questions, tables, or responses.
- **Choose randomization of responses** to remove response order bias, and randomize question order to remove question order bias.
- **Randomize table questions** to remove response order bias, and to remove question order bias.
- **Jump (branch) to a different question or page** depending on answers to a selected response.
- **Write a custom "Warn on Response" message** to show a survey-specific error warning for an invalid response.
- **Cut and paste questions** for easy import from any standard word processor.
- Use **Recode Responses** to quickly recode all of the responses to any question in the database.
- **Export Response List** to export quickly the response list to a text file.
- **Import text files as responses** for quick development of survey questions.
- **Error check JavaScript errors** as you type with our incorporated JavaScript library.
- **Import graphics** with your HTML editor or using HTML tags, or the Insert Graphics wizard (which includes a preview).
- **Remove HTML for reporting purposes** so that a report will not display HTML tags or code.
- **Drag and drop questions** and responses to where you want them.
- **Format tables** immediately with the Table wizard option.
- **Select the Spell Checker** dictionary for editing reviews.
- **Select a foreign language Spell Checker** to change the language display in the Edit Form.
- **Convert EZSurvey forms to the Raosoft SurveyWin** program format and vice-versa.
- Provide **links to outside documents** for user reference with the EZSurvey’s Tool button options or with HTML tags.
- **Use Count Questions** to return a breakout of the number of questions in the form.
- With **Display Overview** you can open an HTML page with a list of question response codes, labels and most important options. This provides a fast form overview.
- **Unicode support** means that surveys to any country are possible now, and are not limited to the western alphabet countries.
- **Generic Login** plug-in gives you the option to have a login page and a single password to the survey. Multiple persons can enter the survey if they have the password, but no others. This capacity is in addition to the robust individual access restriction login present in EZSurvey.
- **Select book marking** so respondents can leave in the middle of the questionnaire and re-enter later to finish.
- **Use the full featured 508(c)** support for 508(c) compliant forms.

## Database Management

- The new and improved **Export to SQL** (*Pro only*) plug-in lets you export all of the data in the database to SQL statements that can be imported into any SQL database.
- The default **database format is DBF and can be imported / exported as ASCII** for compatibility with all standard database programs.
- **Bring in data** from an ASCII database, e.g. a spreadsheet, to both reuse legacy data and create draft forms.
- **Import and export large data files** very quickly.
- **Add records** manually using an easy dialog box format.
- **View the database** in a worksheet view.
- **Edit cells and delete records** in the worksheet.
- **Use an ASCII database on the server machine** and then import back into the DBF database. You may store the ASCII database in a folder not accessible to the web server, and set a password for administration.
- **Export to XML** (*Pro only*) lets you export all of the data in database into XML format.
- **Correct your data** with an unlimited Undo option.
- You will **securely copy files** to your web server with built in FTP with SCP to automate the publishing of forms.
- **Choose Remove Duplicate IPs** to only allow the last occurrence of a host IP to be left in the database. Useful for those who want to filter later based on IP.
- **See the EZSurvey Pro features list** below for SQL support.

## Statistics and Analysis

- **Provide instant HTML web reports** for online, real-time results viewing. Printer-ready Adobe Acrobat documents are included.
- **Format web reports** with the wizard provided or use your own HTML. Web reports support graphs, write in text and complex calculated values.
- You can **report on historical and current survey data** with the Sum-File feature. This creates a combined ".sum" file that will be used for statistics when publishing the summary statistics report.
- Quickly **create 2D or 3D Summary** displaying pie, horizontal, and vertical bar charts, or view tables, and then export to word-processing reports, PowerPoint.
- **Display graphs and tables** simultaneously on the same screen.
- **See your comments** with the Word Count options.
- **View the sum, average, standard deviation** and other functions for each appropriate field in Analysis.
- Managers and analysts can **view dynamic survey results** via the web link that you provide.
- **Display your results for interactive reports** in a greater variety of formats in real time.
- **Choose the advanced query** to select data subsets.
- The **EZSurvey summary report** has improved formatting, including better spacing with graphics display.
- **Edit the survey summary report** for changes in format and content.
- **Export data to SPSS.** You can export with the SPSS Label file for immediate use with SPSS statistics software from within EZSurvey or you may export using Raosoft SurveyTools.

- **Individual dynamic reports** to respondents can be formatted and edited to contain just individual data entries, e.g., increase or decrease the number of fields. Customize to the respondent's needs.
- Explore the vast array of reporting features and options available in Raosoft's **EZReport program**.
- Use Raosoft EZReport to **analyze online data** that can be retrieved for custom, or default, reporting off-site.
- The **improved Sum-File plug-in** looks at the existing and/or legacy database and calculates all of the necessary values for the survey's summary statistics report.

## Web Capabilities

- The **improved CGI 7** is safe, secure, and its efficient small size allows a speed that takes in excess of 25 more hits/second than standard Perl.
- **Compatible with all of the standard web servers**, including: Windows IIS, Windows PWS, Apache, (Windows, UNIX/LINUX and Netware-based), CERN httpd, Lotus Domino (NT), Microsoft (Windows), NCSA, Netscape (NT and UNIX/LINUX), WebSite (Windows). Also, the Raosoft EZSurvey Personal Server provided free with Pro, lets you use your own PC or notebook as a web server.
- **Executable CGI types** include .CGI, .EXE and ISAPI. Scripted CGI types include PERL.
- **The compiled CGI is safe, secure, and its efficient small size** allows a speed that takes 25 more hits/second than standard Perl and is three times faster.
- You can **administer the web site and download the ASCII database** from remote sites through EZSurvey. EZSurvey Pro includes other database access options.
- **Create single or multi-page** forms.
- **Choose appearance options** such as background, font, title, and more.
- Use special **JavaScript functions or server-side scripting for validating data and form flow**.

## Email Capabilities

- **Compatible** with the following email clients: Internet mail (POP3/SMTP), Exchange, MS Mail, Outlook, Group Wise, cc:Mail +, Notes 4.6+, BeyondMail, and Eudora.
- You may **send out unlimited emails**.
- The **EZSurvey Enterprise Stand Alone Mail Server is included free** with EZSurvey, and is a full-featured email delivery program for notifications and/or email survey distribution. It is open source to allow easy modification if wanted.
- **Use EZSurvey's Bulk Mail** option to send out text messages at any time before questionnaire distribution or for interim use during collection.
- **The e-mail Mailmerge** option lets you pull from an address book or data file, to create individualized messages.
- **Track who has responded** to the web survey and easily send out emails to those individuals or those not responding. Prevent "ballot-stuffing" by limiting each person to one response. Password protect for only identified users.
- **Respondent email addresses are embedded** to correctly track people who use email forwarding.
- **Send the HTML (or text) survey form as an attachment** to your email message, and have data returned via email.

- You may **choose to have the server e-mail the data** to an administrator for browsers not supporting mailto utilities.

## Other Distribution Capabilities

- **Form creation for Palm, Pocket PC, Windows CE, and Tablet** handhelds is now available. EZ-Survey lets you preview the handheld form instantly.
- **Extended Pocket PC support** allows either single or multiple surveys to be published on a single device.
- **The EZSurvey Personal Server permits kiosk mode** so that only the entry form is available to the participant doing entry.
- **Short Message Service (SMS)** will send and receive surveys to mobile phones.

## Security Protection

- **SQL commands are hard-coded into an XML file** on the web server to make them invulnerable to nonsense-data attacks.
- **All SQL commands are generated in UTF-8** to close certain possible security holes.
- **Web data is converted into UTF-8** prior to security filtering.
- **Two 32-bit login passwords and a 32-bit unique session ID** are automatically generated to prevent hackers from guessing access codes.
- **The form processor detects buffer overrun attacks and improper file names**, and sends an email notification to the web site owner.
- **EZSurvey generates .htaccess files** with proper web server security settings.
- **Data validation** is performed by client-side JavaScript, then repeated on the server.
- **The server's scripting processor** uses an open-source, restricted-memory language that prevents modification of files, registry settings, or unauthorized database rows.
- **Forms over plain-text email** have a user-identification code.

## System Requirements

- The **desktop application** installs on Win2000, NT and XP; setup file is 6 MB, after installation with forms/data 20+ MB hard disk space.
- The **web server** requires 1-10 MB of disk space depending on the collection size of your project.
- **Windows servers** require executable permission for compiled and scripted CGIs. CGI types include .CGI, .EXE, ISAPI, or PERL 4+. UNIX servers require command line access and gcc (for compiled scripts) or PERL 4+. Other server types require PERL 4+. The Pro version requires a DSN entry to use ODBC connectivity.
- You will need **access to a web server** for posting a web form. See the [Web Capabilities](#) section for additional details.
- You will need a **compatible email client** or connection for emailing. See [Email Capabilities](#) section for additional details.
- **EZSurvey is written in C++ with its own database engine in DBF format. Import/export in ASCII as well** for compatibility with all standard databases.
- **Standard browsers** for web surveys: IE 4+, Netscape 4+, and many others.

## ***You can add more power with EZSurvey 2007 for the Internet, Professional Version!***

### **To the features listed for EZSurvey 2007 for the Internet, add:**

- EZSurvey 2007 for the Internet Professional includes the **Import Questions** for fast speed design. Questions can be imported from a "Form", "Document";, or "Database" in one transfer.
- EZSurvey 2007 Professional includes a “**custom validation window**” for adding extensive calculations and conditional statements that are used to control data validation and branching.
- EZSurvey 2007 Professional allows the **user to script custom plug-ins** that actually adds features to the EZSurvey program. Make new question types, automate complex formatting and scripting, and perform many other uses.
- EZSurvey 2007 Professional uses **ASCII, DBF, or ODBC databases**, and can connect to the ODBC databases directly from the web server and desktop program.
- **Online updating of SQL databases via ODBC** is available. This feature allows ID Tracking with the SQL database.
- **Export to SQL plug-in** lets you export all of the data in the database to SQL statements that can be imported into any SQL database.
- The **Export to XML** lets you export all of the data in the database to XML format.
- **The web CGI 7 can make a full connection to the ODBC database.** Respondents can create new records, and update existing records.
- **Supported databases** include: MS SQL Server, Oracle, MySQL, PostgreSQL, MS Access, IBM DB/2, Sybase, and Watcom.
- EZSurvey 2007 Professional using ODBC can **connect to popular spreadsheet** programs and worksheets, such as MS Excel, IBM Lotus, and OpenOffice.
- EZSurvey 2007 Professional can **open multiple projects at once.**
- Use the **Sample Size Calculator** in the Professional version to calculate the number of surveys needed to be collected and the number needed to be distributed in order to obtain a statistically valid sample.
- The **Weighted Score plug-in** allows weights to be assigned to demographic questions in order to calculate means for reports, an easy way to handle a complex requirement.
- The intranet web server provided with EZSurvey Pro, , so you **the Raosoft EZSurvey Web Server, will let you use your PC as a web server** may collect responses within your company without having to rely on the IT Department’s server. You may convert your laptop into its own web server for use off-site!

Note: Click on [Demos](#) to download an EZSurvey sample. There is not a separate demo for EZSurvey Pro because the design creation is the same; the difference is the addition of ODBC support and special features and functionality as detailed above for EZSurvey Pro.

## Support for Distinct Applications

- **The EZSurvey Personal Web Server can collect data in the field or when you are home.** It is an alternative to publishing the survey on a major web server.
- **Publishing options** include Web, Email, Handheld, Kiosk, Text, and Paper.
- **Distribution methods** can be by web, email, laptop, kiosk, mobiles, SMS, portable hard drives, diskettes, touchscreen and paper.
- **One database can be used by more than one survey.** For example, if you had a regular survey and another survey formatted for section 508c compliance, both could save data to a common database.
- The **online handheld PDA** can save the name of a binary file. This is useful if you are doing voice recording or taking pictures.
- **Follow up email messages** can be sent based on previous survey responses. You can send reminders or even invitations to a new survey for those participating in an earlier survey.
- **Instant Polls** can be made and put on the front page of your web site. The instant poll can be a single question or multiple questions.
- **EZSurvey can administer tests** and after the data has been collected those tests can be scored for reporting purposes.
- **Images can be included in surveys.** Any image that is web accessible can be used in a survey, for questions, responses, banners, general display, and other.
- **Data can be exported to SQL.** You can take data, once it has been collected, and save it to an SQL database. The Export to SQL plug-in lets you export data in the database to SQL statements for importation to any SQL database.
- **Questions from text can be imported quickly and in bulk** now to speed form creation. Questions can be imported from spreadsheet text format or word document text format.