Open Web Technology Observatory

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Workpackage Title | Needs and Requirements
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<td>Giulio Vivo, CRF Frederik Diederichs, USTUTT</td>
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## Abbreviation List

<table>
<thead>
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<tbody>
<tr>
<td>HMI</td>
<td>Human machine interface</td>
</tr>
<tr>
<td>HTTP</td>
<td>Hypertext Transfer Protocol</td>
</tr>
<tr>
<td>IO</td>
<td>Innovation Observatory</td>
</tr>
<tr>
<td>IP</td>
<td>Integrated Project</td>
</tr>
<tr>
<td>MySQL</td>
<td>multithreaded, multi-user SQL database management system</td>
</tr>
<tr>
<td>PC</td>
<td>Personal Computer</td>
</tr>
<tr>
<td>PHP</td>
<td>reflective programming language for producing dynamic web pages</td>
</tr>
<tr>
<td>SP</td>
<td>Sub Project</td>
</tr>
<tr>
<td>SQL</td>
<td>Structured Query Language</td>
</tr>
<tr>
<td>W3C</td>
<td>World Wide Web Consortium</td>
</tr>
<tr>
<td>WWW</td>
<td>World Wide Web</td>
</tr>
</tbody>
</table>
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Table 1. SAFESPOT Observatory site structure
EXECUTIVE SUMMARY

The SAFESPOT Open Web Observatory is a shared resource aimed to support the SAFESPOT IP Project’s activities and to produce a useful database, available to project partners. In this deliverable D4.2.5 “Open Web Technology Observatory” the basic functionality, design principles and the structure for the database of the Open Web Technology Observatory are explained. The final deliverable D4.2.5 is the web service running and content updated to the end of the SAFESPOT project.

According to the SAFESPOT project technical annex, the Open Web Observatory has been developed and set up with the purpose of continuously monitoring parallel technology developments related to SAFESPOT. In its initial stage, the Observatory database has been fed with input from related previous projects (e.g. AIDE - HMI issues). Continuous monitoring of the state-of-the art of technologies related to SAFESPOT and updating of the observatory database has been then performed throughout the entire evolution of the project.
1. Introduction

The present deliverable is actually the written output of the Task 4.2.5 – “Open Web Technology Observatory”.

SAFESPOT project aims to understand how smart vehicle and smart road can cooperate to produce a breakthrough for road safety. The extension of the driver assistance systems with their effective real time “vehicle surrounding situation awareness” will be improved by cooperative actions among vehicles and infrastructure. The overall concept has been achieved by the implementation of the Safety Margin Assistance for the equipped demonstrator vehicles and for the infrastructure. Current driver assistance systems provide functionalities in the operative ranges of their sensors, while the cooperation of vehicles and infrastructure through communication technologies could increase the coverage of many other dangerous situations.

As a support for the SAFESPOT activities a continuous monitoring of the state-of-the-art of methodologies and technologies related to SAFESPOT has been included and performed throughout the whole duration of the project. Since progress and breakthroughs will be occurring in any time, this task has been set-up and performed from the beginning of the project and it is going to last till its end. A database has been built, including the outcomes of the monitoring activities and it is available to project’s partners. This database is the “SAFESPOT Open Web Observatory” and it is structured in three main areas:

- **Observatory**: state of the art monitoring results;
- **Glossary**: common and shared vocabulary;
- **Library**: monitoring of the books, papers, technical publications, newspaper, magazines and websites about new trends in cooperative systems.

1.1. Innovation and Contribution to the SAFESPOT Objectives

In a large Integrated Projects like SAFESPOT where great number of partners is involved and emerging technologies are largely applied, utilizing of tools that help co-operation and common understanding is extremely important. SAFESPOT Open Web Observatory is a tool for project partners to increase the awareness of the state-of-the-art technologies and common goals as well as share the experiences and knowledge with other partners.

1.2. Methodology

To obtain the goals of the task 4.2.5 physical and software environment has been set up for the SAFESPOT Open Web Observatory. It is a MySQL database that is running physically in a server in VTT premises Tampere, Finland. The users can access the database by common web browser and thus it is constantly updated and accessible through the Internet.
1.3. Deliverable structure

The deliverable content is structured by the user interface principles and structure of the SAFESPOT Open Web Observatory database with technical documentation in the ANNEX.

Chapter 1 is the introduction.

Chapter 2 describes the SAFESPOT Open Web Observatory database user interface.

Chapter 3 describes the final version of the SAFESPOT Open Web Observatory database user interface.

Chapter 4 contains the deliverable conclusions.

ANNEX contains the Administrative Guide for SAFESPOT Open Web Observatory. All the technical details for using, administrating as well as design details can be found in this annex of the present document.

2. First Version of Open Web Observatory

The SAFESPOT Open Web Observatory is a MySQL database that is running physically in a server in VTT premises Tampere, Finland. The users can access the database by common web browser and thus it is constantly updated and accessible through the Internet. The SAFESPOT Open Web Observatory includes:

- An introductory page, describing the aim of the project, the objective of the observatory and the structure of the database.
- A database with a hierarchical structure. The main nodes are the SAFESPOT subprojects.
- A Glossary including all the abbreviations, terms and definitions relevant for the SAFESPOT.
- A Library area where books, papers, technical articles, newspaper and magazines articles and websites relevant for the SAFESPOT project are gathered and presented.

The design principles of the SAFESPOT Open Web Observatory follow closely the experiences from the AIDE-IP Innovation Observatory. However, the structure and the content of the SAFESPOT Open Web Observatory are completely different from the AIDE Innovation Observatory.

2.1. Home

The Home area includes the introduction to the SAFESPOT project, the presentation of the Open Web Observatory and of its structure. From this page it is possible to access the three main areas of the site: the Observatory, the Glossary and the Library.

The users can access the SAFESPOT Open Web Observatory at the following address:

http://130.188.57.17/safespot/observatory/opage.php
2.1.1. Observatory

The Observatory is the main area. It is an easy to access and updated repository of the information gathered during the activities in SAFESPOT. The structure follows the SAFESPOT sub-project structure: SAFEPROBE, INFRASENS, SINTECH, SCOVA, CoSSIB, BLADE, SCORE and HOLA. The information related to each SP can be found, uploaded and downloaded on specific SP page. Downloading of the material is permitted for all users but the uploading is restricted to administrative users only. The request for uploading material (included in the message) should be sent to the following e-mail addresses:

kimmo.kauvo@vtt.fi
harri.koskinen@vtt.fi

![Image of the observatory page of the SP8 HOLA](image)

Figure 1. The observatory page of the SP8 HOLA
2.1.2. Glossary

The Glossary includes all the abbreviations, acronyms, terms and definitions. It is for IP-level terminology collection so that all partners "speak the same language" and understands the terms in use in this context. Viewing of the terms is permitted for all users but the uploading is restricted to administrative users only. The request for uploading material (included in the message) should be sent to the following e-mail addresses:

kimmo.kauvo@vtt.fi
harri.koskinen@vtt.fi

![Glossary Upload page](image)

* = mandatory fields

**Figure 2. Glossary Upload page**

Term and Definition are mandatory fields in Glossary as seen in the Figure 2. Also the status of term (Draft or Final has to be entered). In the Figure 3 the Glossary page can be seen.
2.1.3. Library

In the Library all the books, papers, articles, newsletters and web links interesting and potentially useful background material are stored. As with Observatory and Glossary, downloading of the material is permitted for all users but the uploading is restricted to administrative users only. The request for uploading material (included in the message) should be sent to the following e-mail addresses:

kimmo.kauvo@vtt.fi
harri.koskinen@vtt.fi

A screen shot of the Library page is in the Figure 4 and the Library Upload page in the Figure 5.
Figure 4. Library page
3. Final Version of Open Web Observatory

In 2010 it was decided to move the Open Web Observatory to the SAFESPOT-IP server (maintained by USTUTT). The reason for this was to contain all project data in one easily manageable place.

This final version of the Observatory can be reached directly from the standard location of the SAFESPOT web site:

http://www.safespot-eu.org

The new Open Web Observatory consists of three main parts: REFERENCES, ACRONYMS and TERMS. In the following chapters the access and usage of these parts are explained.

3.1. References

In the References part, all the SAFESPOT-IP related references are entered and maintained (http://www.safespot-eu.org/owto/index.php/references/). In the Figure 6 the main page for Reference can be seen.
Towards the end of the SAFESPOT project over 300 references have been added to the Open Web Observatory. To add a reference, user clicks the “Add entry” hyperlink and gets the following window (Figure 7) where the reference is added in the “Name” field. The related sub project is marked in the appropriate field.
To edit, delete or modify a reference, the user simply clicks the reference to be edited so a modify window pops up.

### 3.2. Acronyms

In the Acronyms part, all the SAFESPOT-IP related acronyms are entered and maintained ([http://www.safespot-eu.org/owto/index.php/acronyms](http://www.safespot-eu.org/owto/index.php/acronyms)). In the Figure 8 the main page for Acronyms can be seen.

![Figure 8. Acronyms page](image)

Towards the end of the SAFESPOT project over 600 acronyms have been added to the Open Web Observatory. To add an acronym, user clicks the “Add entry” hyperlink and gets the following window (Figure 9) where the acronym is added in the “Acronym” field and the meaning in the “Name” field. The related sub project(s) is(are) marked in the appropriate field.

To edit, delete or modify an acronym, the user simply clicks the acronym to be edited so a modify window pops up.
3.3. Terms

In the Terms part, all the SAFESPOT-IP related terms are entered and maintained ([http://www.safespot-eu.org/owto/index.php/terms](http://www.safespot-eu.org/owto/index.php/terms)). In the Figure 10 the main page for Terms can be seen.

Towards the end of the SAFESPOT project over 150 terms have been added to the Open Web Observatory. To add a term, user clicks the “Add term” hyperlink and gets the following window (Figure 11) where the acronym is added in the “Term” field and the definition in the “Definition” field. There is also a “More” field where additional information can be added. The related sub project(s) is marked in the appropriate field.

To edit, delete or modify a term, the user simply clicks the term to be edited so a modify window pops up.
Figure 10. Terms page

Figure 11. Add Term page
4. Conclusions

In this report the structure and implementation of the SAFESPOT Open Web Technology Observatory has been presented. Also the user instructions for utilizing and updating the information content in the observatory are included in the report.

The SAFESPOT Open Web Technology Observatory has been used during the whole lifespan of the SAFESPOT IP, and the related supporting task WT4.2.5 was kept open and active until the end of the project.

In a first stage, the SAFESPOT Open Web Technology Observatory has been put into full operation, by completing the hardware and software implementation, on the VTT servers. The first part of the report describes this phase.

The migration of the SAFESPOT Open Web Technology Observatory to the USTUTT servers, where its content has been progressively filled in, until reaching the current level of full population, is described in the second part of the present document. The information content management and utilization of the SAFESPOT Open Web Technology Observatory have been also described.

The final version of the Observatory can be reached directly from the standard location of the SAFESPOT web site:

http://www.safespot-eu.org

5. References

Apache HTTP Server: http://httpd.apache.org/
MySQL database server: http://www.mysql.com/products/mysql/
PHP scripting engine: http://www.php.net/

6.1. Setting up the Server
SAFESPOT Administrative Guide for SAFESPOT Open Web Observatory (SAFESPOT IO) server is running in VTT premises in Tampere.

6.2. Running the Server
The MySQL 5.0.18-nt Classic starts automatically (as a service) when the SAFESPOT IO PC starts up. Status of the server can be controlled via Start -> Settings -> Control Panel -> Administrative Tools -> Services -> MySQL. Another program that starts automatically is Apache HTTP server. A small icon next to clock on the Windows Notification area displays the status of the server.

![Figure 12. Apache Server Running](image)

Status of the server can be controlled by clicking the icon or via Start -> Settings -> Control Panel -> Administrative Tools -> Services -> Apache2

6.3. Administrating the Server

6.3.1. Microsoft Windows XP Professional sp2
SAFESPOT IO is running on AMD 1000 MHz with 384 MB of RAM and operating system Microsoft Windows Home Edition.

6.3.2. Apache 2.0.55
The HTTP server used in SAFESPOT IO is Apache HTTP Server v 2.0.55 by Apache Software Foundation. [http://httpd.apache.org/](http://httpd.apache.org/)

It is installed in default directory C:\Program Files\Apache Group\Apache2. The main configuration file for the Apache server is `httpd.conf` and it can be found in C:\Program Files\Apache Group\Apache2\conf\. All modified settings are marked with a word "KIK" in that file. The directories of the HTTP server are protected from the web access with the .htaccess method. The SAFESPOT IO site currently have only two subdirectories: safespot and pma270. Both of these are protected with a .htaccess -file. Passwords in this method are created with a special program: htpasswd.exe and it can be found in C:\Program Files\Apache Group\Apache2\bin\. Normal method to use the htpasswd program is:

`> htpasswd -bc [password file] [username] [password]`

For example command `htpasswd -bc c:\secret.txt user test` creates a file for the passwords (secret.txt) in directory c:\
Figure 13. Generating Passwords for Users

For more information about the htpasswd tool see htpasswd man page at:
http://httpd.apache.org/docs/programs/htpasswd.html

C:\Program Files\Apache Group\Apache2\ss_pw.txt contains usernames and passwords for safespot and safespot/upload -subdirectories. C:\Program Files\Apache Group\Apache2\phpmy_pw.txt contains username and password for pma270 -subdirectory. Naturally those files are encrypted.

6.3.3. PHP 5.1.2.2

PHP is a widely-used general-purpose scripting language that is especially suited for Web development and normally is embedded into HTML. The version used in SAFESPOT IO is 5.1.2.2. http://www.php.net/. It is also installed in default directory C:\PHP. PHP configuration settings file is php.ini and it can be found in C:\Windows\ . All modified settings are marked with a word "KIK" in that file.

6.3.4. MySQL Community Server MySQL 5.0.18

The database server used in SAFESPOT IO is MySQL Community Server MySQL 5.0.18-nt http://www.mysql.com/products/mysql/ . It is installed in default directory C:\Program Files\MySQL\MySQL Server 5.0 and it installs itself as a service. The main configuration file is my.ini, found in C:\Program Files\MySQL\MySQL Server 5.0. All modified settings are marked with a word "KIK" in that file.

6.3.5. MySQL Control Center 0.9.4-beta

MySQL Control Centre is an administration client for the MySQL database server. The development of this tool is ceased, but it is still a powerful tool and it is used with SAFESPOT IO to handle the passwords for the MySQL server.

Use this tool when changing the passwords for the MySQL server.

The current administrative user and password are root / 1amrot5. Additional administrative user and password are admin / 1amrot5. Normal user and password for SAFESPOT database are safeuser / q2ko3

6.3.6. phpMyAdmin 2.7.0

phpMyAdmin http://www.phpmyadmin.net is a tool written in PHP intended to handle the administration of MySQL Server over the Web. The version used with SAFESPOT IO is 2.7.0-pl2. Currently it can create and drop databases, create/drop/alter tables, delete/edit/add fields etc. It is installed in Apache HTTP server C:\Program Files\Apache Group\Apache2\htdocs\pma270 and can be accessed over the Web at address: http://localhost/pma270/index.php.

Do not modify passwords with this tool.

The site is protected with a username / password combination user: admin pass: a5jEqs In SAFESPOT IO it is mainly used to delete and edit already inserted data
fields. And also when doing the normal maintenance procedures: "Optimize table", "Analyze table", etc. "Optimize table" is required if data rows are often deleted from the database.

### 6.4. Backing up the Server

SAFESPOT IO has a simple backing up system for a total hardware breakup. Windows Scheduler is used for that. (Start -> Programs -> Accessories -> System Tools -> Scheduled Tasks) It runs every night at 04:00 o’clock a batch file (C:\varmista.bat), that copies all the tables of the MySQL server to another physical hard drive. (D:\MySQL_backup)

### 6.5. Web Interface Implementation

#### 6.5.1. General

The web interface implementation follows carefully the structure presented in the following figure.

![Figure 14. SAFESPOT IO Structure](image)

The site has the following structure:

<table>
<thead>
<tr>
<th>Files</th>
<th>Function</th>
</tr>
</thead>
<tbody>
<tr>
<td>safespot</td>
<td>Settings for password protection</td>
</tr>
<tr>
<td>.htaccess</td>
<td></td>
</tr>
<tr>
<td>Glossary</td>
<td>Glossary-section main page</td>
</tr>
<tr>
<td>gpage.php</td>
<td></td>
</tr>
<tr>
<td>Images</td>
<td>All images needed to decorate the SAFESPOT IO site</td>
</tr>
<tr>
<td>download.php</td>
<td>Downloads selected item from the database</td>
</tr>
<tr>
<td>page.php</td>
<td>Library-section main page</td>
</tr>
<tr>
<td>helper_functions.php</td>
<td>ConnectToDatabase() function</td>
</tr>
<tr>
<td>opage.php</td>
<td>Observatory-section main page</td>
</tr>
<tr>
<td>.htaccess</td>
<td>Settings for password protection</td>
</tr>
<tr>
<td>upload_gloss.php</td>
<td>Upload page for uploading items to Glossary-section</td>
</tr>
<tr>
<td>upload_libra.php</td>
<td>Upload page for uploading items to Library-section</td>
</tr>
<tr>
<td>upload_obs.php</td>
<td>Upload page for uploading items to Observatory-section</td>
</tr>
<tr>
<td>gloss.php</td>
<td>Edit page for editing already defined glossary item</td>
</tr>
</tbody>
</table>

SAFESPOT IO main page is located at web address: [http://130.188.57.17/safespot/observatory/opage.php](http://130.188.57.17/safespot/observatory/opage.php)
It is installed in Apache HTTP server:
C:\Program Files\Apache Group\Apache2\htdocs\safespot

The site is checked for crucial errors with The W3C Validation Service, http://validator.w3.org/. When a user enters that site username and password are required. The site has a two level access control, normal users and administrative users. Normal users have only possibility to read and download terms and documents. Admin users have possibility to read, download, post, and upload terms and documents. User / pass for normal users are user / 4hbig5 and administrative users admin / Sa5k1t.

![Figure 15. SAFESPOT IO – Login Page](image1)

![Figure 16. SAFESPOT IO – Main Page](image2)
6.5.2. Upload Pages

Figure 17. SAFESPOT IO – Observatory Upload Page

For uploading items to the Observatory-section the web site contains only minimal fields: Title for the item, file, optional comments, and optional www-site that is related to the item to be uploaded. Mandatory fields are marked with red dots. When uploaded, web site displays also size of the file and date of upload. Clicking the Download-link opens the selected document.
Uploading items to the Library-section is pretty much similar to Observatory upload. Web site contains fields: File to be uploaded, description, and optional www-site that are related to the item to be uploaded. Mandatory fields are marked with red dots. When uploaded, web site displays also size of the file and date of upload. Clicking the Download-link opens the selected document. Items are sorted in ascending order of Description-field.
Figure 19. SAFESPOT IO – Glossary Upload Page

For uploading terms to the Glossary-section contains several fields: term, definition, optional references, optional alternative definition, optional reference, optional notes, and optional status. Mandatory fields are marked with red dots. When a term has two definitions a "[ Two alternative definitions ]" text is added next to term. Terms are sorted in ascending order of Term-field.
6.6. Database Structure Implementation

6.6.1. Database Tables

SAFESPOT IO database has the following tables. PK denotes the primary key and required fields are **bolded**.

glossary-table contains data for the Glossary-section, library-table contains data for the Library-section and observatory-table contains data for Observatory-section.

<table>
<thead>
<tr>
<th>glossary</th>
</tr>
</thead>
<tbody>
<tr>
<td>PK</td>
</tr>
<tr>
<td></td>
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<td></td>
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<table>
<thead>
<tr>
<th>library</th>
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</thead>
<tbody>
<tr>
<td>PK</td>
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</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>observatory</th>
</tr>
</thead>
<tbody>
<tr>
<td>PK</td>
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</tbody>
</table>

Figure 20. SAFESPOT IO – Database Tables
6.6.2. Database Dump

-- phpMyAdmin SQL Dump
-- version 2.7.0-pl2
-- http://www.phpmyadmin.net
--
-- Host: localhost:3306
-- Generation Time: Dec 28, 2006 at 12:50 PM
-- Server version: 5.0.18
-- PHP Version: 5.1.2
--
-- Database: `SafeSpot`
--
-- --------------------------------------------------------
--
-- Table structure for table `glossary`
--
CREATE TABLE `glossary` (
`id_files` tinyint(3) NOT NULL auto_increment,
`datetime` datetime default '0000-00-00 00:00:00',
`term` tinytext NOT NULL,
`definition` text NOT NULL,
`refs` text,
`alt_definition` text,
`refs_alt_definition` text,
`notes` text,
`status` tinytext,
PRIMARY KEY (`id_files`)
) ENGINE=InnoDB DEFAULT CHARSET=latin1 AUTO_INCREMENT=1 ;
--
-- Table structure for table `library`
--
CREATE TABLE `library` (
`id_files` tinyint(3) NOT NULL auto_increment,
`chapter` varchar(30) NOT NULL,
`datetime` datetime NOT NULL default '0000-00-00 00:00:00',
`bin_data` longblob NOT NULL,
`description` varchar(100) NOT NULL,
`filename` varchar(80) NOT NULL,
`wwwsite` tinytext NOT NULL,
`filesize` varchar(50) NOT NULL,
`filetype` varchar(50) NOT NULL,
PRIMARY KEY (`id_files`)
) ENGINE=InnoDB DEFAULT CHARSET=latin1 AUTO_INCREMENT=1 ;
--
-- Table structure for table `observatory`
--
CREATE TABLE `observatory` (
`id_files` tinyint(4) NOT NULL auto_increment,
`chapter` varchar(6) default '',
`datetime` datetime default '0000-00-00 00:00:00',
`bin_data` longblob,
`title` varchar(100) default '',
`comments` text,
`filename` varchar(80) default '',
`
6.7. All Server Settings

6.7.1. httpd.conf

Location: C:\Program Files\Apache Group\Apache2\conf

<table>
<thead>
<tr>
<th>Line #</th>
<th>Setting</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>313 - 324</td>
<td>&lt;Directory &quot;C:/Program Files/Apache Group/Apache2/htdocs/pma270/&quot;&gt; AllowOverride All &lt;/Directory&gt;</td>
<td>AllowOverride setting enables the usage of .htaccess directory protection for directories /safespot /safespot/upload and pma270</td>
</tr>
</tbody>
</table>

| Line #: | 528, 770 |
| Setting: | ScriptAlias /php/ "C:/php/" AddType application/x-httpd-php .php |
| Description: | Settings for PHP scripting engine |

| Line #: | 815 |
| Setting: | Action application/x-httpd-php "/php/php-cgi.exe" |
| Description: | Setting for www -browser |

6.7.2. my.ini

Location: C:\Program Files\MySQL\MySQL Server 5.0

| Line #: | 155 |
| Setting: | max_allowed_packet=12M |
| Description: | Maximum size of a packet to send/receive from to MySQL database server |

6.7.3. php.ini

Location: C:\WINDOWS

<p>| Line #: | 280 |
| Setting: | error_reporting = E_ALL &amp; ~E_NOTICE &amp; ~E_WARNING |
| Description: | Filter out notice and warning messages |</p>
<table>
<thead>
<tr>
<th>Line #:</th>
<th>Setting</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>300</td>
<td>display_errors = Off</td>
<td>For production sites it is advisable to disable this</td>
</tr>
<tr>
<td>333</td>
<td>track_errors = On</td>
<td>Store the last error/warning message in $php_errormsg (boolean).</td>
</tr>
<tr>
<td>371</td>
<td>arg_separator.output = &quot;&amp;&quot;</td>
<td>The separator used in PHP generated URLs to separate arguments. Default is &quot;&amp;&quot;.</td>
</tr>
<tr>
<td>394</td>
<td>register_globals = On</td>
<td></td>
</tr>
<tr>
<td>415</td>
<td>post_max_size = 12M</td>
<td>Maximum size of POST data that PHP will accept.</td>
</tr>
<tr>
<td>422</td>
<td>magic_quotes_gpc = Off</td>
<td>Magic quotes for incoming GET/POST/Cookie data.</td>
</tr>
<tr>
<td>469</td>
<td>extension_dir = &quot;C:\php\ext&quot;</td>
<td>Directory in which the loadable extensions (modules) reside.</td>
</tr>
<tr>
<td>523</td>
<td>upload_max_filesize = 12M</td>
<td>Maximum allowed size for uploaded files.</td>
</tr>
<tr>
<td>600</td>
<td>extension=php_mysql.dll</td>
<td></td>
</tr>
<tr>
<td>691</td>
<td>mysql.default_port = 3306</td>
<td></td>
</tr>
</tbody>
</table>
6.7.4. config.inc.php
Location: C:\WINDOWS

<table>
<thead>
<tr>
<th>Line #:</th>
<th>Setting:</th>
<th>Description:</th>
</tr>
</thead>
<tbody>
<tr>
<td>9</td>
<td>$cfg['PmaAbsoluteUri'] = '<a href="http://localhost/pma270/">http://localhost/pma270/</a>';</td>
<td>Full url of the Safespot IO server</td>
</tr>
<tr>
<td>22</td>
<td>$cfg['Servers'][$i]['user'] = 'root';</td>
<td>MySQL user and password for MySQL user</td>
</tr>
</tbody>
</table>

6.7.5. upload_gloss.php
Location: C:\Program Files\Apache Group\Apache2\htdocs\safespot\upload

<table>
<thead>
<tr>
<th>Line #:</th>
<th>Setting:</th>
<th>Description:</th>
</tr>
</thead>
<tbody>
<tr>
<td>131</td>
<td>&lt;INPUT TYPE='hidden' NAME='MAX_FILE_SIZE' VALUE='1000000'&gt;</td>
<td>Maximum size of file upload for Glossary -section, HTTP form setting</td>
</tr>
</tbody>
</table>

6.7.6. upload_libra.php
Location: C:\Program Files\Apache Group\Apache2\htdocs\safespot\upload

<table>
<thead>
<tr>
<th>Line #:</th>
<th>Setting:</th>
<th>Description:</th>
</tr>
</thead>
<tbody>
<tr>
<td>131</td>
<td>&lt;INPUT TYPE='hidden' NAME='MAX_FILE_SIZE' VALUE='1000000'&gt;</td>
<td>Maximum size of file upload for Library -section, HTTP form setting.</td>
</tr>
</tbody>
</table>
### 6.7.7. upload_obs.php

**Location:** C:\Program Files\Apache Group\Apache2\htdocs\safespot\upload

<table>
<thead>
<tr>
<th>Line #</th>
<th>Setting</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>267</td>
<td><code>&lt;INPUT TYPE='hidden' NAME='MAX_FILE_SIZE' VALUE='10000000'&gt;</code></td>
<td>Maximum size of file upload for Library-section, HTTP form setting.</td>
</tr>
</tbody>
</table>

### 6.7.8. helper_functions.php

**Location:** C:\Program Files\Apache Group\Apache2\htdocs\aide\Observatory

<table>
<thead>
<tr>
<th>Line #</th>
<th>Setting</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>5</td>
<td><code>mysql_connect(&quot;localhost&quot;, &quot;safeuser&quot;, &quot;q2ko3&quot;);</code></td>
<td>Username and password for normal user accessing the aide database.</td>
</tr>
<tr>
<td>6</td>
<td><code>mysql_select_db(&quot;SafeSpot&quot;);</code></td>
<td>Name of the SafeSpot IO database.</td>
</tr>
</tbody>
</table>