

SimpleRisk Installation Guide

Introduction

SimpleRisk is a simple and free tool to perform risk management activities. Based entirely on open source technologies and sporting a Mozilla Public License 2.0, a SimpleRisk instance can be stood up in minutes and instantly provides the security professional with the ability to submit risks, plan mitigations, facilitate management reviews, prioritize for project planning, and track regular reviews. It is highly configurable and includes dynamic reporting and the ability to tweak risk formulas on the fly. It is under active development with new features being added all the time and can be downloaded for free or demoed at <http://www.simplerisk.org>.

Disclaimer

The lucky security professionals work for companies who can afford expensive GRC tools to aide in managing risk. The unlucky majority out there usually end up spending countless hours managing risk via spreadsheets. It's cumbersome, time consuming, and just plain sucks. When [Josh Sokol](#) started writing SimpleRisk, it was out of pure frustration with the other options out there. What he's put together is undoubtedly better than spreadsheets and gets you most of the way towards the "R" in GRC without breaking the bank. That said, humans can make mistakes, and therefore the SimpleRisk software is provided to you with no warranties expressed or implied. If you get stuck, you can always try sending an e-mail to support@simplerisk.org and we'll do our best to help you out. Also, while SimpleRisk was written by a security practitioner with security in mind, there is no way to promise that it is 100% secure. You accept that as a risk when using the software, but if you do find any issues, please report them to us so that we can fix them ASAP.

Hosting Platform

SimpleRisk was designed to be as cost-effective as possible so we believe that running it on an *AMP stack is the best way to run SimpleRisk. The only true requirements here, however, are MySQL and PHP. The actual system requirements of SimpleRisk are subject to the number of simultaneous users and amount of data (especially files) that you will be storing in it. We recommend starting with a single CPU system with at least 2 GB of RAM, assuming that you will be running Apache/PHP and MySQL on the same server. We also recommend starting with 10-20 GB of disk space. We will go into more detail on the installation process below, but it's effectively just a matter of extracting the web files into a web accessible directory with PHP extensions installed, importing the SQL file into your MySQL database, and then linking the two together. Because of this, you can run SimpleRisk on just about any hosting platform you desire. Windows...Linux...it doesn't matter.

Obtaining SimpleRisk

The latest version of SimpleRisk can be downloaded by going to <https://www.simplerisk.it> and clicking on the “Downloads” link. Our file naming convention is simple:

simplerisk-<release date>-<version>.tgz

To install SimpleRisk for the first time, you want to download the “Bundle” and the “Installer” files.

Installing the Web Files

Take the latest SimpleRisk web bundle (ex: simplerisk-20130501-001.tgz) and move it into your web root. Extract the file into the directory. If you are running on a *nix system, the command to do this is going to be “tar -xvzf <filename>”. This will extract all of the SimpleRisk files into a directory in your web root named “simplerisk”. You can rename this directory or place the files wherever you would like. As long as they are web accessible and you have PHP installed on your web server, they should work.

Installing the Database

You will need to have MySQL installed on a server that the system running the SimpleRisk code can access. The hands-down easiest way to install the SimpleRisk database is to use the provided SimpleRisk installer. Take the latest SimpleRisk installer and move it into your web directory. Next, extract the installer using the command “sudo tar xvzf ~/Downloads/simplerisk-installer-20151108-001.tgz” (or whatever the most current version available is). This will create a new “install” directory. Next, in your web browser, navigate to /install on your SimpleRisk instance. If everything works as expected, you will see an installer page designed to configure the database for you.

Enter your database information to proceed with SimpleRisk install:

Database Connection Information

Database IP/Host:	<input type="text" value="localhost"/>
Database Port:	<input type="text" value="3306"/>
Database User:	<input type="text" value="root"/>
Database Pass:	<input type="password"/>

SimpleRisk Installation Information

SimpleRisk Host:	<input type="text" value="localhost"/>
SimpleRisk Database:	<input type="text" value="simplerisk"/>
SimpleRisk User:	<input type="text" value="simplerisk"/>
SimpleRisk Pass:	<input type="password" value="....."/> <== Automatically Generated Random Password

SimpleRisk Configuration Information

Database Schema:	<input type="text" value="Default - English"/>
Session Last Activity Timeout:	<input type="text" value="3600"/>
Session Renegotiation Timeout:	<input type="text" value="600"/>
Use Database for Sessions:	<input type="text" value="true"/>
Enable Content Security Policy:	<input type="text" value="false"/>
Default Timezone:	<input type="text" value="America/Chicago"/>

Under the Database Connection Information, provide it with your database hostname, port, username, and password. Under the SimpleRisk Installation Information, provide it with the SimpleRisk database hostname, database name, and username that you would like SimpleRisk to use. A random password will be generated for the . By default, it will generate a strong, randomly generated database password and we recommend that you keep that value. Under the SimpleRisk Configuration Information, you have the ability to choose the default language, session timeouts, default timezone, and other options. With the exception of the database schema language and timezone, we recommend that you keep the default values. When the script completes, it will attempt to install a new /includes/config.php page. If it does not have permission to do so, or cannot find the existing config.php file, then it will provide you with the contents to place in it instead.

Connecting SimpleRisk to the Database

If the install script was able to update the config.php page, then you can skip this step. If not, then you will need to go back to the directory where you put the web files above. In with the SimpleRisk files you will see an “includes” directory and inside that directory you will see a file named “config.php”. This is

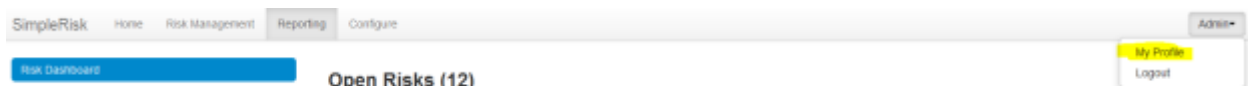
the configuration file for SimpleRisk. You will need to delete the default contents of the file and replace it with the code provided by the installer above. Save the file and now you should be ready to begin using SimpleRisk.

Logging in to SimpleRisk

You should now have performed all of the steps you need to for SimpleRisk to be up and running. Now is the moment of truth where we hopefully get to see if all of your hard work paid off. You now need to point your web browser to the URL where SimpleRisk would be installed. It might be something like <http://192.168.0.1/simplerisk> or maybe <http://localhost/>. This would be based on how your web server is configured and whether you left the SimpleRisk files in the “simplerisk” directory or not. You will know that you’ve got the right page when you see something like this:



Enter username “admin” and password “admin” to get started. Then, select the “Admin” dropdown at the top right and click on “My Profile”.



Enter your current password as “admin” and place a new long and randomly generated password into the “New Password” and “Confirm Password” fields. Then click “Submit”.

SimpleRisk Home Risk Management Reporting Configure

Change Password

Current Password:

New Password:

Confirm Password:

You should receive a message saying that your password was updated successfully. If so, then this is your new “admin” password for SimpleRisk. This completes your installation of SimpleRisk. Next you will want to check out the SimpleRisk Configuration Guide to determine if there are any configurations that you need to modify.