

# Install SimpleRisk on Ubuntu 14.04

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## 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 <https://www.simplerisk.it/>.

## 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.it](mailto:support@simplerisk.it) 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.

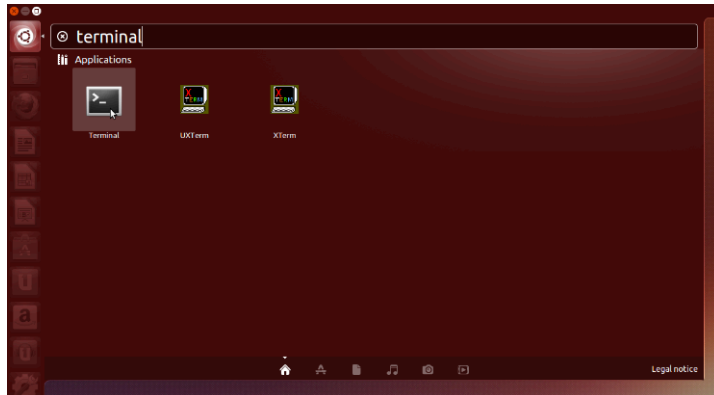
## Install Ubuntu

SimpleRisk should be able to work on just about any operating system that is capable of running PHP and MySQL. Since the purpose of this guide is to get you up and running with SimpleRisk as quickly as possible, we assume that you are using Ubuntu, a FREE and easy to use Linux-based operating system. Download the latest version of Ubuntu (at the time of this writing it's 14.04) and install it. See the Ubuntu documentation if you are having any issues there. Once you have a working installation, you can move on to the next installation steps.

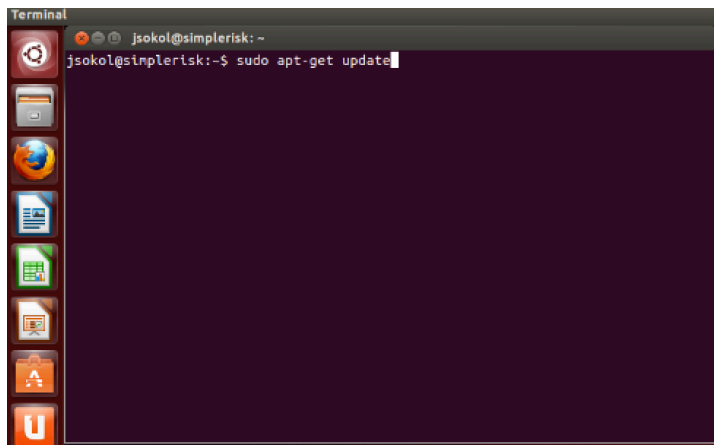
## Get the Latest Ubuntu Updates

Log in to your Ubuntu installation using the username and password you defined at setup. Select the Unity menu (the one at the very top of the bar on the left) and type "terminal" in the field that pops up. This should show you a shortcut to the terminal application. You can click it to launch the terminal, but

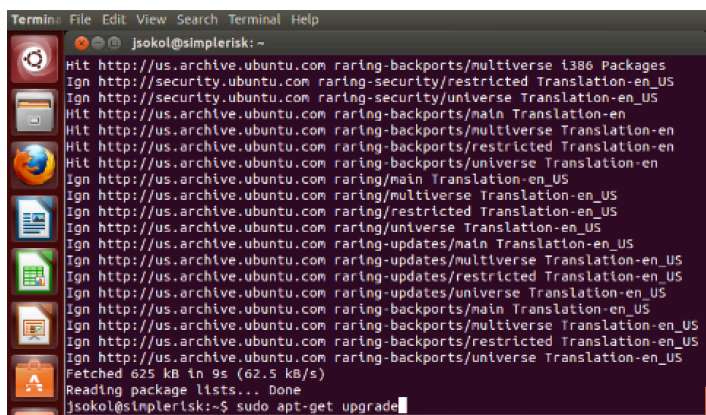
it may be a good idea to drag it to the Unity bar on the left first so that you can easily start it in the future.



Once the terminal is launched, you will want to update the OS to the latest software versions available. To do this run “sudo apt-get update” and enter your password when prompted.

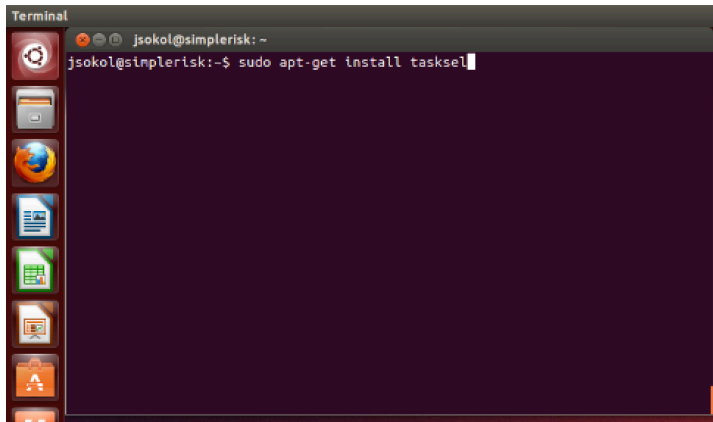


This will pull down the latest version information for all of the installed operating system files. Now run “sudo apt-get dist-upgrade” and answer “y” when it asks if you would like to continue.

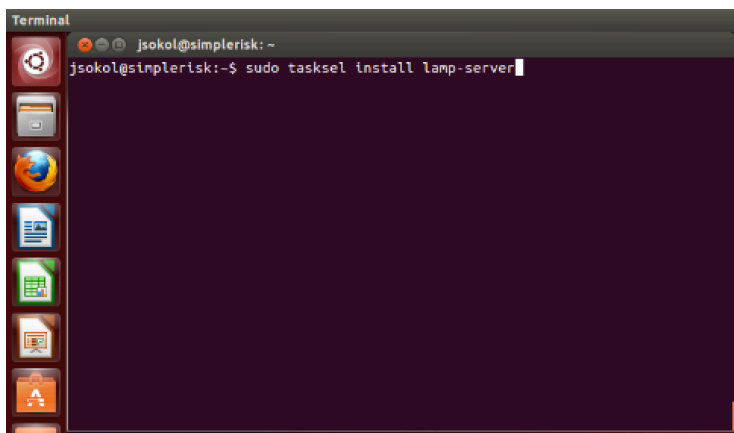


## Installing Apache, PHP, and MySQL

The next step is to install the necessary files in order to run Apache with PHP and MySQL on this system. To do, this first run the command “sudo apt-get install taskel”.



Next, tell the server to install a LAMP stack by running the command “sudo taskel install lamp-server”.



You should now see the terminal change into a package configuration application that downloads and installs the applications necessary in order to run a LAMP stack on the server. Eventually it will pause the install in order to ask you to specify a MySQL “root” password. Generate a long and random password and save it off in a secure location so that you can access it later. You will know that this installation process is complete when the package configuration screen goes away and you are back at the terminal shell.

## Configuring Apache for the SimpleRisk API

- 1) Run the command “a2enmod rewrite” to enable mod\_rewrite for Apache.
- 2) Open the file containing the Apache site configuration. This is likely found under /etc/apache2/sites-enabled.
- 3) Add the following lines to your VirtualHost entry:

```
1 RewriteEngine on
2 RewriteCond %{REQUEST_FILENAME} !-f
3 RewriteCond %{REQUEST_FILENAME} !-d
4 RewriteRule ^(.*)\?*$ index.php?__route__=/$1 [L,QSA]
```

4) Restart Apache by running the command “service apache2 restart”.

## Obtaining the SimpleRisk Files

Click on the FireFox logo in the Unity bar on the left. Once FireFox loads, enter <https://www.simplerisk.it/> into the URL bar to go to the SimpleRisk site. Click on the “Download” link at the top.

### Step 1

Choose Your Download Type:

Install the SimpleRisk Web Files and Database Myself ▾

### Step 2

Download the Web Bundle:

[SIMPLERISK 20160612-001 WEB BUNDLE](#)

Validate the Checksum:

MD5 Checksum = 5a22619c0248a32985e3e8d45c21456f

### Step 3

Download the Installer Script:

[SIMPLERISK 20160612-001 INSTALLER](#)

Validate the Checksum:

MD5 Checksum = 0a8881bd6ed29039988a3f3cc148f0fe

### Step 4

Follow the Instructions:

[INSTALL SIMPLERISK ON UBUNTU 13.04 \(APACHE/MYSQL/PHP\)](#)

[View All Releases and Release Notes](#)

Click to download and save both the Web Bundle and the Installer Script. Once you have the files downloaded, you can close the browser.

## Installing the Web Files

Change to the new Apache web root by running the command “cd /var/www/html”.

```
jsokol@simplerisk: ~  
jsokol@simplerisk:~$ cd /var/www/html
```

Remove the default index page using the command “`sudo rm index.html`”. Extract the web bundle into the web directory using the command “`sudo tar xvzf ~/Downloads/simplerisk-20160612-001.tgz`” (or whatever the most current version available is).

```
jsokol@simplerisk: /var/www/html  
jsokol@simplerisk:/var/www/html$ sudo tar xvzf ~/Downloads/simplerisk-20160612-001.tgz
```

This will extract the files into a directory under the web root named “simplerisk”. You will need to access the files with a “/simplerisk” appended to the URL. Optionally, you can run the following commands to move it to the web root:

- `sudo mv simplerisk/* .`
- `sudo rmdir simplerisk`

Change the ownership permissions of the “simplerisk” directory and all its sub-directories to be owned by the www-data user (or whatever user Apache is running as) using the command “`sudo chown -R www-data: /var/www/html/*`”.

## Installing the Database

Extract the current SimpleRisk installer to the “simplerisk” directory using the command “`sudo tar xvzf ~/Downloads/simplerisk-installer-20160612-001.tgz`” (or whatever the most current version available is). This will create a new “install” directory. Next, in your web browser, navigate to <http://localhost/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

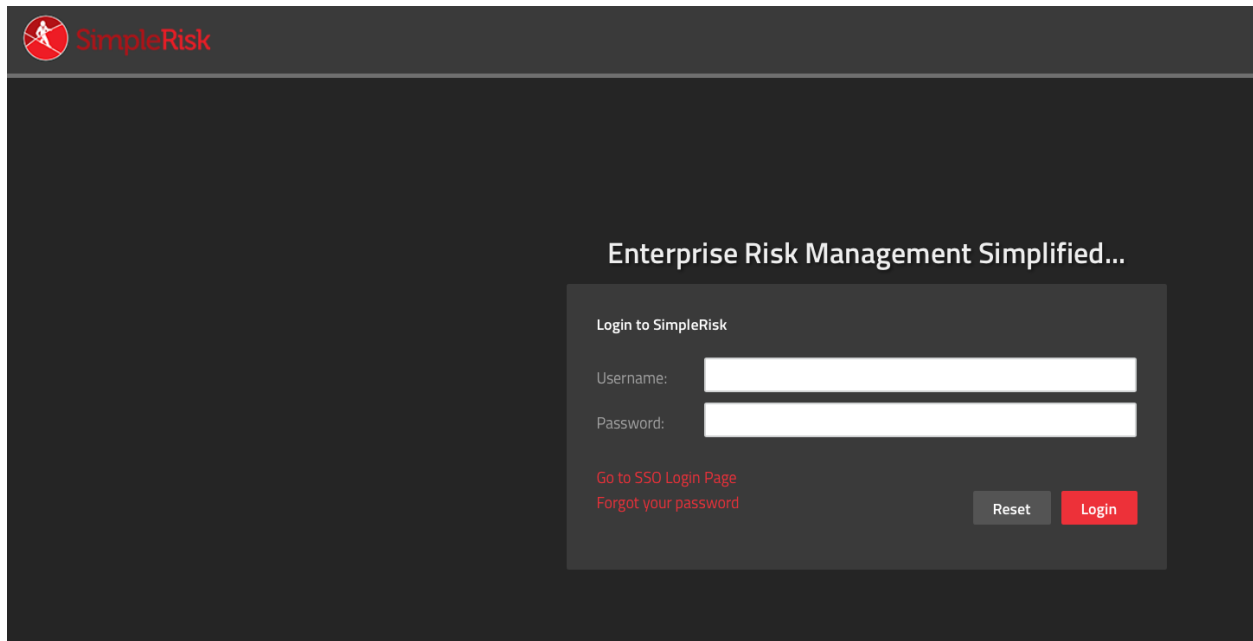
### **SimpleRisk Configuration Information**

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 ask if you would like to install a new /includes/config.php page. Select "Update" to have it automatically updated with the installer information. If it does not have permission to write to the file, or cannot find the existing config.php file, then it will provide you with the contents to place in it instead. It is always a good idea to delete the "install" directory once it is no longer needed using the command "sudo rm -r install".

## 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. If you followed the optional instructions, then it should be located at <http://localhost/>. If you did not, then it is probably located at <http://localhost/simplerisk>. You will know that you've got the right page when you see something like this:

The image shows the SimpleRisk login page. At the top left is the SimpleRisk logo. The main heading is "Enterprise Risk Management Simplified...". Below this is a "Login to SimpleRisk" form. The form has two input fields: "Username:" and "Password:". Below the password field are two links: "Go to SSO Login Page" and "Forgot your password". At the bottom right of the form are two buttons: "Reset" and "Login".

SimpleRisk

Enterprise Risk Management Simplified...

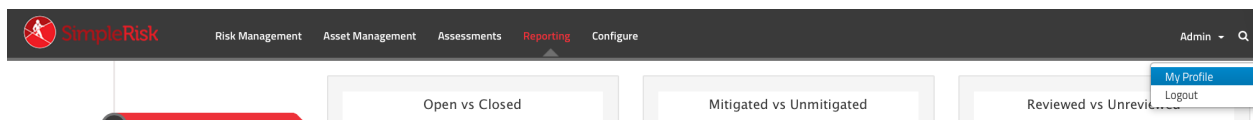
Login to SimpleRisk

Username:

Password:

[Go to SSO Login Page](#)  
[Forgot your password](#)

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

The image shows the SimpleRisk dashboard. At the top is a navigation bar with the SimpleRisk logo and several menu items: "Risk Management", "Asset Management", "Assessments", "Reporting", and "Configure". On the far right of the navigation bar is an "Admin" dropdown menu. Below the navigation bar is a main content area with several cards. One card is titled "Open vs Closed". Another card is titled "Mitigated vs Unmitigated". A third card is titled "Reviewed vs Unreviewed". The "Admin" dropdown menu is open, showing options: "My Profile" and "Logout".

SimpleRisk

Risk Management Asset Management Assessments Reporting Configure

Admin

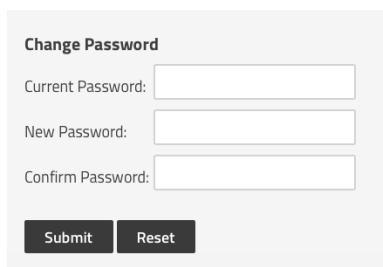
Open vs Closed

Mitigated vs Unmitigated

Reviewed vs Unreviewed

My Profile  
Logout

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".

The image shows the "Change Password" form. It has three input fields: "Current Password:", "New Password:", and "Confirm Password:". Below the input fields are two buttons: "Submit" and "Reset".

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. If you received a message saying that “The password entered does not adhere to the password policy”, you can change the policy by selecting “Configure” from the menu at the top followed by “User Management” on the left side. You will see a “Password Policy” section at the bottom of the page where you can change the policy and try changing your password again.

## Registering SimpleRisk

This step is completely optional, but without it upgrades of SimpleRisk will require manual downloads of the new version, backing up your configuration file, extracting the new files, restoring the configuration file, and a database upgrade. It sounds like more effort than it really is, but we’ve made the process far simpler if you’re willing to tell us who you are. To register your SimpleRisk instance, select “Configure” from the menu at the top followed by “Register & Upgrade” from the menu at the left.

The screenshot shows the SimpleRisk web interface. At the top is a dark navigation bar with the SimpleRisk logo and menu items: Risk Management, Asset Management, Assessments, Reporting, and Configure (highlighted in red). On the left is a vertical sidebar with buttons for various configuration options: Configure Risk Formula, Configure Review Settings, Add and Remove Values, User Management, Redefine Naming Conventions, Asset Valuation, File Upload Settings, Mail Settings, Delete Risks, Audit Trail, Extras, Announcements, Register & Upgrade (highlighted in red), and About. The main content area is divided into several sections. The top section is titled "Register SimpleRisk" and contains a paragraph explaining the registration process and a "Disable Registration Notice" button. Below this is a section for "Instance ID:" which is currently empty. The "Registration Information" section contains form fields for Full Name, Company, Job Title, Phone, and E-mail Address, followed by a red "Register" button. To the right of the registration form is a section titled "Upgrade SimpleRisk" with a message: "Please register in order to be able to use the easy upgrade feature." At the bottom of the main content area, there is another message: "Please register in order to be able to use the easy upgrade feature."

Enter your information and select the “Register” button. This will create a unique Instance ID for your SimpleRisk instance and download the Upgrade Extra which enables functionality for one-click backups and upgrades. If you run into issues with the registration process, we recommend that you check to ensure that the “simplerisk” directory and its sub-directories are writeable by the www-data user (or whatever user Apache is running as).

**\*\* This completes your installation of SimpleRisk \*\***



## **SimpleRisk Paid Support and Extras**

Everything that you've seen up to this point is completely free for you to install and use, forever. That said, we offer a number of ways for you to enhance your SimpleRisk instance with even more functionality. If you like what you see, and find it useful, please consider purchasing one of our inexpensive Paid Support plans or Extra functionality so that we can continue to offer you the best open source risk management tool available. Thank you!