



# Hawk Server for Linux

## Installation Guide

Beta Version

## Introduction

Thank you for being part of the beta program for Hawk Secure Browser!

This installation document will guide you through the process of installing Hawk Server onto a Linux environment. The document describes the basic requirements for deploying your single server environment including prerequisite packages and a quick step-by-step to get you up and running.

## Downloading Hawk Server

To download the Hawk Server installation package for Linux, visit <http://www.hawk-browser.com> or contact your systems administrator or service provider.

There are two ways to deploy Hawk Server:

- Downloading the installation zip file onto an existing Linux environment.
- Downloading a Virtual Machine image of Hawk Server and running this on a local Virtual Machine environment.

This document describes the installation process of the zip file into an existing Linux environment.

## Operating System (OS) Requirements

This installation document will guide you through the process of installing Hawk Server onto Debian. Hawk Server is compatible with Debian 7 "Wheezy" to Debian 8 "Jessie".

## Before you Begin

The following are some points to consider before you begin installing Hawk Server.

## Setting your Server's IP Address

For Hawk Server to function smoothly, we recommend setting your Linux environment with a static IP address. Although setting your server's IP is not part of the Hawk Server software installation, if you have installed your operating system using DHCP, you may wish to change this.

Edit `/etc/network/interfaces` with your chosen text editor. The following is an example of how your interfaces file may look:

```
auto eth0

    iface eth0 inet static
        address 192.168.0.10
```



```
netmask 255.255.255.0  
gateway 192.168.0.1  
dns-nameservers 1.1.1.1 2.2.2.2
```

Save this file and restart your network, e.g.

```
/etc/init.d/networking restart
```

If you are unsure, please consult your network administrator for appropriate network settings or consult your operating system manual.

## Debian Software Repositories

Please ensure your server has access to the Debian software repositories during the installation process. The Hawk Server installation will install various packages during this process using Debian's Aptitude package manager.

Before you begin the Hawk Server installation, please ensure that your Debian software repositories are up to date by executing the command:

```
apt-get update
```

## Zip

Hawk Server requires the Zip application to be installed in Debian before you're able to unpack the Hawk Server installation files. You can install Zip using the standard package manager e.g.

```
apt-get install zip
```

## Debian Packages

During the installation process, Hawk Server will install the following packages onto your Debian environment:

- libnoise-dev
- libpng12-0
- nsis
- PostgreSQL
- Tomcat
- Java

## Installing Hawk Server

The following instructions describe how to install the Hawk Server onto a single server environment.

Before proceeding, please note the following:

- The IP address of the Debian environment you're installing Hawk Server onto.
- You should have access to a user account with root permissions or use the `sudo` command where appropriate.

### 1. Copy the Installation Files to the Server

1.1 Copy the installation ZIP file `Hawk-Server-Beta-Linux.zip` to a suitable location on the server e.g.

```
/tmp
```

1.2 Unzip the installation file e.g.

```
unzip Hawk-Server-Beta-Linux.zip
```

### 2. Run Hawk Server Installer

Run `install.sh` which can be found in the newly unzipped `hawkswa-distribution` directory e.g.

```
./hawkswa-distribution/install.sh
```

### 3. Hawk Server Installation Wizard

You will now be presented with the Hawk Server installation wizard. The output from the installation will be logged in `full_install.log`

The following prompt will appear:

```
Do you want to start the install? (y/n) 'y' recommended.
```

Hawk Server will begin to install onto your Debian environment. This may take some time.

When the installation has finished you will be returned to the command prompt. You will also see the following messages appear when Hawk Server has started up:

```
The Verifier Gateway has started. Version: 1.33.1-SNAPSHOT
```

```
The Service Gateway has started. Version: 1.33.1-SNAPSHOT
```

```
The Registration Gateway has started. Version: 1.33.1-SNAPSHOT
```

Please note that the version numbers may vary depending on your version of



Hawk Server beta you have downloaded.

## Testing Hawk Server

To test whether the server is up and running you should be able to access the Hawk Administration Tool.

Open a web browser and access `http://<ipaddress>:8080/admin-tool/` where `ipaddress` is the IP address of your Hawk Server.

If the browser returns the Hawk Administration Tool webpage then Hawk Server is running!

For instructions on using the Hawk Administration Tool, please download the Hawk Server Administrator Guide from `http://www.hawk-browser.com`

To check whether the individual components of Hawk Server are running, you can simply list the processes:

```
ps -ef|grep -e service-gateway -e verifier-gateway -e registra-
tion-gateway -e tinyproxy
```

This should list a single process for each Gateway (Verifier, Service and Registration) and multiple processes for Tinyproxy.

## Accessing Hawk Server via SSH

To access Hawk Server via SSH, please consult the Readme.txt file under the Hawk Server category in Downloads at `http://www.hawk-browser.com`

## Starting Up and Shutting Down Hawk Server

Hawk Server automatically starts up when you start up your Debian environment, however if you wish to startup and shutdown Hawk Server components at any time, please enter the following in order:

### Starting up Hawk Server

To start up Hawk Server manually, enter the following command into your Linux command line:

```
/etc/init.d/hawk-init start
```

After a few moments, you will see the following status messages appear:

```
The Verifier Gateway has started. Version: 1.33.1-SNAPSHOT
```

```
The Service Gateway has started. Version: 1.33.1-SNAPSHOT
```

```
The Registration Gateway has started. Version: 1.33.1-SNAPSHOT
```

If you are using Hawk Server's included proxy, you will need to execute the following command to start it up:

```
/etc/init.d/tinyproxy start
```

### Shutting down Hawk Server

To shutdown Hawk Server, enter the following commands into your Linux command line:

```
/etc/init.d/hawk-init stop
```

If you are using Hawk Server's included proxy, you will need to execute the following command to shut it down:

```
/etc/init.d/tinyproxy stop
```

### Hawk Server Log

You can access the Hawk server logs at `/var/logs/mhinvent/`

### Getting Support

If you require any technical support on Hawk Server or any version of Hawk Secure Browser please visit our website at:

<http://www.hawk-browser.com>

You can also contact us via email at:

[support@hawk-browser.com](mailto:support@hawk-browser.com)

Our team are more than happy to help to get you up and running with Hawk Secure Browser.

### Sending Feedback

As part of this beta release program we welcome any feedback on our software including Hawk Secure Browser and Hawk Server. We are always looking for ways to improve the ease of use, customer experience and crucially the security of our products.

If you wish to send us any feedback please visit our website at:

<http://www.hawk-browser.com>

Or, contact us via email at:

[feedback@hawk-browser.com](mailto:feedback@hawk-browser.com)







