

# Installation on Linux



## Installation

This guide describes the installation of the Nimbusec Server Agent. The Server Agent is optional for the function of the product, but improves the detection rate greatly. Therefore, it is strongly recommended to install the Server Agent. Installation on Linux and BSD Installation.

## Requirements

- Download the right Server Agent version for your operating system and architecture from the [nimbusec portal](#).

Downloads

Name	MD5	SHA1
Windows 64-bit	e920c930957de12908cfbf281df6e765	62665136478dfc69c4c12d0c30ef0b3a0bb2f551
Windows 32-bit	73cdfec05839db4af8508b247c20b97	27012dba4db0de3989815c87b4e44e723d754da6
 Linux 64-bit	1214b0093c7402de6e37e0dacc100692	a49af246c2a05963970dfc66743102cbb446e56
 Linux 32-bit	868a4a3c6d324ec6ffb8c1d90495a8bb	211fa8905d1a2f2c2ae4a8ab7760f7bc40057294

- Copy the downloaded file to your server (e.g. via scp)
- Create a directory for the Server Agent installation. This can be any directory you like, but we recommend a directory like `/opt/nimbusec`
- Move the Server Agent and the configuration file in the newly created directory
- Make sure the Server Agent file is executable: `chmod +x /opt/nimbusec/agent`
- Create a (e.g. daily) cronjob to execute the agent

## Create a Cronjob

We recommend two different ways to run our Server Agent:

# Method 1: cron.daily

The easiest method is to install a script under `/etc/cron.daily`. This script will get executed on a daily basis, but the exact time is system dependent. The script would look like the following (make sure it's executable):

## `/etc/cron.daily/nimbusec`

```
#!/bin/bash
/opt/nimbusec/agent -config /opt/nimbusec/agent.conf
```

*Note: This cron job will run the nimbus-agent as user root! It is not required, nor recommended, to run the Server Agent as user root! To run the Server Agent as a different user, see section Security.*

# Method 2: crontab

To get more control over the exact time when the agent is run, create a cron job. A cron job to start the Server Agent every day at 1am would look like this:

```
0 1 * * * /opt/nimbusec/agent -config /opt/nimbusec/agent.conf
```

*Note: It is not required, nor recommended, to run the Server Agent as user root! Please add the cron job to an appropriate user, see section Security.*

# Security

We strongly recommend to run the Server Agent as different user than root.

*It is neither required, nor recommended, to run the Server Agent as user root. This section will describe the steps necessary to run it as a different user.*

Select a user for the Server Agent to run as who has the following permissions (*Recommendation: Run the Server Agent as the same user, as the **web server** is running or with a different user that has the same permissions as the web servers user*):

- The user must have read permission on all files and directories it should scan and monitor.
- The user must have read permission on the configuration file.
- The user must have write permission for the temporary file specified in the configuration.
- Adapt the cron job to start the Server Agent as appropriate user (*in the examples as `www-data`*):

If you have to use the *cron.daily* method, change the script to something like this:  
**/etc/cron.daily/nimbusec**

```
#!/bin/bash  
su -c "/opt/nimbusec/agent -config /opt/nimbusec/agent.conf" www-data
```

or

```
#!/bin/bash  
sudo -u www-data /opt/nimbusec/agent -config /opt/nimbusec/agent.conf
```

If you use the *traditional crontab* method, simply add the cron job to the appropriate user instead of root:

```
crontab -u www-data -e
```

## Run Server Agent in chroot environment

If you want to further restrict the Server Agent, you can also run it in a chroot environment. Our support will be glad to assist you.

## Proxy Configuration for Server Agent

To enable use of a proxy for upload to the Nimbusec API, set the environmental variable "http\_proxy" using following syntax: `http_proxy=http://[user:pwd@]proxy-ip:port/`

An example would be: 'export http\_proxy=<http://username:pwd@meinproxy:8080>'

## Logging

You may want to log error messages to a logfile instead `std.out`. Thats of course no problem. Just pipe the output of the agent to the desired file location like this:

```
/opt/nimbusec/agent -config /opt/nimbusec/agent.conf > /opt/nimbusec/logs/agent-out.log 2>  
/opt/nimbusec/logs/agent-err.log
```

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