Avira

Avira Fusebundle Generator

HowTo

Table of contents

1. Introduction

A fusebundle is an archive containing the latest engine and VDF files together with the corresponding update control files (*info.gz*).

Its purpose is to allow a network administrator to update the Avira security products without having an Internet connection.

The Fusebundle Generator allows generating those archives locally in an incremental way. It is no longer required to download the entire archive after each engine and signature update.

Note

Version 2013
This Fusebundle archive was generated for versions 2013 and does not require any further modification.

Version 2012
While using the Fusebundle for version 2012 on a 32-bit or 64-bit system, the following parameters must be entered in the *fusebundle.conf:*

```
platform=win32
```

Alternatively, the following command line parameters can be implemented:

```
--platform=win32
```

Version 2010
The win32 Fusebundle archive (*vdf_fusebundle.zip*) may be used only with Avira versions higher than 10.

For all 2010 versions the previous Fusebundle archive has to be used.
Download here the old Fusebundle archive.

1.1 The composition of a Fusebundle archive name

Fusebundle-<platform>-int.zip

The parameter *<platform>* is representative of one of the following operating systems:

- freebsd_v62
- linux_glibc22
- linux_glibc22_s390
- openbsd_v39
- solaris_sparc

- win32
- linux_glibc24_x86_64
- macosx_x86_32
- macosx_x86_64
- solaris_sparc64_v8
- win64
- win_av13

> Note
> There is one exception with the *win32* and *win_av13* archive name. In order to be backward compatible with the Windows products, the name of the archive remains: *vdf_fusebundle.zip*

1.2 Contents of an Fusebundle archive

The Fusebundle archive *fusebundle-<platform>-int.zip* contains the following files:

master.idx

- INFO.GZ files
  - *n_vdf.info.gz*
  - *ave2-<platform>-int.info.gz*
  - *specvir-win32-int.info.gz* (Windows only)

- Engine files
  - *Ae*.so / .dll /.dylib*
    (according to the platform, taken from *ave2-<platform>-int.info*)

- Windows only
  - *avpack32.dll*
  - *avrep.dll*
  - *unacev2.dll*

- Avira Version 2013 only
  - *apcfile.dll*
  - *avlode.dll*
  - *cacert.crt*
  - *libapr-1.dll*
  - *libapriconv-1.dll*
  - *libaprutil-1.dll*
  - *libcurl.dll*
  - *libeay32.dll*
  - *ssleay32.dll*

- VDF-Files
  - *vbase000 -> vbase031.vdf*

The Fusebundle archive for *xVDF* files, named *xfusebundle-<platform>-int.zip*, contains the following files:

master.idx

- INFO.GZ files
  - *xvdf.info.gz*
  - *fb_xvdf.info.gz (Windows only)*
  - *ave2-<platform>-int.info.gz*
  - *xfusebundle-<platform>-int.info.gz*
  - *fb_ave2-win32-int.info.gz* (Windows 32 bit only)
  - *fb_scanner13-win32-int.info.gz* (Windows 32 bit only)
  - *fb_localdecider-win32-int.info.gz* (Windows 32 bit AV13 only)
  - *fb_repair-win32-int.info.gz* (Windows 32 bit AV13 only)

- Engine files
  - *Ae*.so / .dll /.dylib*
    (according to the platform, taken from *ave2-<platform>-int.info*)

- Windows only
  - *unacev2.dll*

- VDF-Files
  - *xbv00000.vdf -> xbv00255.vdf*

- YML-files
  - *avreg.yml*

- RDF-files (Windows 32 bit AV13 only)
  - *avlode.rdf*
  - *repair.rdf*

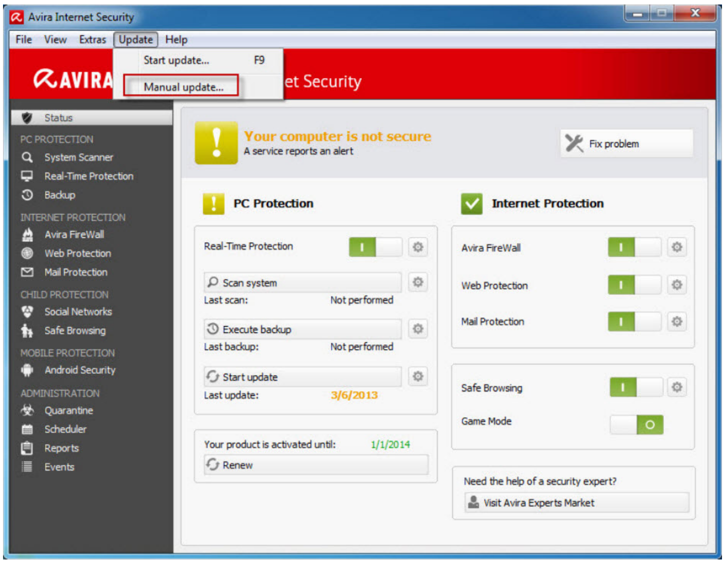
2. Installation of the Fusebundle

2.1 Windows operating system

- Download the Avira Fusebundle Generator
- Decompress the file: *avira_fusebundlegen-win32-de.zip*
- Open the folder: *avira_fusebundlegen-win32-de*
- Double-click on **fusebundle.exe**

- Wait for the Fusebundle archive to be created (A new installation folder will also be created - this is where *vdf_fusebundle.zip* can be located)

- Open the *Avira Control Center > Update > Manual update* and add the new VDF update file (*vdf_fusebundle.zip*)



Your computer is not secure
A service reports an alert

Last scan: Not performed

Last backup: Not performed

Last update: 3/6/2013

Your product is activated until: 1/1/2014

Need the help of a security expert?

This will trigger a forced update in the product which replaces all existing files, no matter if they are newer than those in the fusebundle archive.

2.2 Other operating systems

Assuming that you have an Avira Unix product running there, you must first make sure that the old files are moved into a backup directory.

If you don’t move the files and simply overwrite them with the newer versions the product might behave unusually or even malfunction.

After the old files are moved away, the archive must be unpacked and the respective product must be restarted or reloaded.

Note
In order to use the Avira Fusebundle Generator on 64 bit Linux machines, the 32bit compatibility libraries/packages are required to be installed.

3. Options of the Fusebundle

3.1 Configuration file

The default configuration file fusebundle.conf must contain two mandatory options:

- The list of Internet update servers

  internet-srvs=http://professional.avira-update.com/update

- Specifies the installation directory for updated product files

  install-dir=install

> **Note**
> The parameter names are not case sensitive.
> Ideally, you do not have to provide any parameter because the tool searches automatically for its configuration file in the directory from where it is executed.

3.2 Command line option

These options can be used in a command line in their short and long format:

```
#fusebundle -q or quiet
```

In the default configuration file *fusebundle.conf* must be used explicitly only the long format:

```
quiet
```

3.3 Global configuration

`/c, --config=<str>`
Specifies the configuration file

`/q, --quiet`
If it is present no log messages will be printed on the screen

`/v, --version`
Displays version information

`/h, --help`
Displays help and usage

`--show-progress`
Shows the download progress

3.4 Logging

`/l, --log=<str>`
Specifies the log file. The default is fusebundle.log

`--log-append`
Appends to the log file

`--log-rotate`
Rotates the log files

`--log-template=<str>`
Logs the template

`--show-progress`
Shows the download progress

3.5 Platform

`--platform=<str>`

The archive has been created for the following operating systems:

- freebsd_v62
- linux_glibc22
- linux_glibc22_s390
- openbsd_v39
- solaris_sparc
- solaris_sparc64_v8
- linux_glibc24_x86_64
- macosx_x86_32
- macosx_x86_64
- win32
- win64

3.6 Update

`/i, --install-dir=<str>`
Installs directories

`/t, --temp-dir=<str>`
Temp directory

`--master-file=<str>`
Master idx

`--peak-handling-srvs=<str>`
Peak handling update servers

`--ipv4-peak-server-limit=<N>`
IPv4 peak server limit

If both `--ipv4-peak-server-limit` and `--ipv6-peak-server-limit` are reached, the list of servers from `--peak-handling-srvs` will be used for updates. If this limit is set to 0, the updater will try to update from all IPv4 servers (`--internet-srvs`) before trying to update from the `--peak-handling-srvs` list. The default value is 0

`--ipv6-peak-server-limit=<N>`
IPv6 peak server limit
See explanation at IPv4 peak server limit

`--internet-protocol=<str>`
Internet protocol: auto, ipv4, ipv6

`--no-deltaupdate`
Do not use delta update

`--no-signature-check`
Do not check if the files are signed

3.7 Internet update

`--internet-srvs=<str>`
Internet update servers

3.8 Network

`--system-proxy`
Uses proxy from system

```
--proxy-host=<str>
```
The proxy server address

```
--proxy-port=<N>
```
Proxy port

```
--proxy-username=<str>
```
Proxy username

```
--proxy-password=<str>
```
Proxy password

```
--username=<str>
```
Username

```
--password=<str>
```
Password

```
--update-auth-type=<str>
```
Authentication type: basic, digest, ntlm, any

```
--retries=<N>
```
Number of retries

```
--retry-timeout=<N>
```
Timeout between retries

```
 --connect-timeout=<N>
```
Timeout for connect

```
--receive-timeout=<N>
```
Timeout for receiving data

3.9 VDF file type

These two options are mutually exclusive, as they can not be used at the same time. Choosing to use them both in the same application call will generate an error message.

```
--nvdf
```
Downloads the initial virus definition files (VDFs) used by the AV engine. For backward compatibility reasons, this is the default behavior. Does not download XVDFs. Excludes --xvdf.

```
-x or --xvdf
```
Downloads the next generation of virus definition files (XVDFs) used by the AV engine. Does not download the default VDF files. Excludes --nvdf.

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