



# Dr.WEB

Local Update Mirror Utility

## User Manual



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**Dr.Web Local Update Mirror Utility**  
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## **Doctor Web**

Doctor Web develops and distributes Dr.Web information security solutions which provide efficient protection from malicious software and spam.

Doctor Web customers can be found among home users from all over the world and in government enterprises, small companies and nationwide corporations.

Dr.Web anti-virus solutions are well known since 1992 for continuing excellence in malware detection and compliance with international information security standards.

State certificates and awards received by the Dr.Web solutions, as well as the globally widespread use of our products are the best evidence of exceptional trust to the company products.

**We thank all our customers for their support and devotion to the Dr.Web products!**



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## 1. Introduction



The present manual describes Dr.Web Local Update Mirror Utility in detail, as well as provides recommendations on how to use it to solve typical problems related to updating computers not having an internet connection.



## 1.1. Conventions and Abbreviations

### Conventions

The following symbols and text conventions are used in this guide:

Convention	Comment
	Important note or instruction.
	Warning about possible errors or important notes to which you should pay special attention.
<i>Anti-virus network</i>	A new term or an accent on a term in descriptions.
<IP-address>	Placeholders.
<b>Save</b>	Names of buttons, windows, menu items and other program interface elements.
CTRL	Keyboard keys names.
/home/user	Names of files and folders, code examples.
<a href="#">Appendix A</a>	Cross-references on the document chapters or internal hyperlinks to web pages.



Command-line commands, entered using a keyboard (in the terminal or a terminal emulator), are marked with the command prompt character `$` or `#` in the current manual. The character indicates the privileges required for execution of the specified command. According to the standard convention for UNIX-based systems,

- `$`—indicates that the command can be executed with user rights.
- `#`—indicates that the command can be executed with superuser (usually *root*) privileges. To elevate the privileges, use `su` and `sudo` commands.

### Abbreviations

The following abbreviations are not expanded in the text of the Manual:

- HTTP—Hypertext Transfer Protocol;
- URL—Uniform Resource Locator;
- OS—operating system.



## 2. Dr.Web Local Update Mirror Utility

Dr.Web Local Update Mirror Utility allows downloading virus, antispam and unwanted website databases to a local directory and then using them to update computers without an internet connection.

If a computer being used to download updates has to be updated, it is recommended to run a normal updating procedure with the following command:

```
# drweb-ctl update
```

This utility is designed for other use cases, for example, if it is necessary to download databases on a computer having an internet connection, where Dr.Web products are different or are not installed at all. In this case it is necessary to copy the Dr.Web key file, as well as `zone.ini` or `update.drl` files for bases to be updated from a source computer to the computer for downloading updates. The source computer is the one to be updated or is protected with the same Dr.Web product as the target computer.

### 2.1. Command-line parameters

The utility runs on Linux-based OSes or FreeBSD and supports the following command-line parameters:

Parameter	Description
<code>--help</code>	Function: Output short help about command-line parameters to the console or terminal emulator and exit. Short form: <code>-h</code> Arguments: None.
<code>--version</code>	Function: Output information about the version of the utility to the console or terminal emulator and exit. Short form: <code>-v</code> Arguments: None.
<code>--key</code>	Function: Set a path to the key file. Short form: None. Arguments: <i>&lt;a path to the file&gt;</i> — a full or relative path to the key file.
<code>--antispam-drl</code>	Function: Set a path to the <code>.drl</code> file comprising a URL of a mirror for antispam databases. Short form: None. Arguments: <i>&lt;a path to the file&gt;</i> — a full or relative path to the <code>.drl</code> file.
<code>--antispam-drl</code>	Function: Set a path to the <code>.ini</code> file comprising URLs of mirrors for antispam databases.



	Short form: None. Arguments: <i>&lt;a path to the file&gt;</i> — a full or relative path to the <code>.ini</code> file.
<code>--bases-drl</code>	Function: Set a path to the <code>.drl</code> file comprising a URL of a mirror for virus databases. Short form: None. Arguments: <i>&lt;a path to the file&gt;</i> — a full or relative path to the <code>.drl</code> file.
<code>--bases-ini</code>	Function: Set a path to the <code>.ini</code> file comprising URLs of mirrors for virus databases. Short form: None. Arguments: <i>&lt;a path to the file&gt;</i> — a full or relative path to the <code>.ini</code> file.
<code>--dws-drl</code>	Function: Set a path to the <code>.drl</code> file comprising a URL of a mirror for unwanted website databases. Short form: None. Arguments: <i>&lt;a path to the file&gt;</i> — a full or relative path to the <code>.drl</code> file.
<code>--dws-ini</code>	Function: Set a path to the <code>.ini</code> file comprising URLs of mirrors for unwanted website databases. Short form: None. Arguments: <i>&lt;a path to the file&gt;</i> — a full or relative path to the <code>.ini</code> file.
<code>--path</code>	Function: Set a path of a directory to store a local mirror. Short form: None. Arguments: <i>&lt;a path to the directory&gt;</i> — a full or relative path to the directory.
<code>--arch</code>	Function: Set a target architecture. Short form: None. Arguments: <i>&lt;a type of the architecture&gt;</i> . Allowed values: <code>x86</code> , <code>x86_64</code> , <code>mips</code> , <code>e2k</code> , <code>aarch64</code> or <code>ppc64</code> .
<code>--debug</code>	Function: Show debug information while running a command. Short form: <code>-d</code> Arguments: None.

The utility can be used without installing Dr.Web products, however, the user must have access to the Dr.Web key file and the `.drl` or `.ini` file for a group of resources to be downloaded.

Unlike `.drl` files, `.ini` files comprise several mirror URLs, which allows to use a fall-back mirror if the default one is unavailable.

The following parameters must be indicated: `--path`, `--key`, any one of `--bases-drl`, `--bases-ini`, `--antispam-drl`, `--antispam-ini`, `--dws-drl` or `--dws-ini` keys, as well as a path to the corresponding `.drl` or `.ini` file.

The `--arch` optional parameter sets a target architecture to download updates for. By default, it matches the architecture of the computer running a command with this parameter. If the updates are designated for a computer having another architecture, such architecture must be set after this parameter.





## 2.2. Finding resources

The utility file name is generated as follows: `drweb-mirror-<version>-<OS>-<architecture>`, for example, `drweb-mirror-11.1-linux-amd64` or `drweb-mirror-11.1-freebsd-x86`.

Typical paths of the required resources are provided below.

Resources	Linux-based OSES	FreeBSD
Key file	<code>/etc/opt/drweb.com/drweb32.key</code>	<code>/usr/local/libexec/drweb.com/bin/drweb32.key</code>
Directory with virus databases	<code>/var/opt/drweb.com/drl/bases</code>	<code>/var/drweb.com/drl/bases</code>
Directory with antispam databases	<code>/var/opt/drweb.com/drl/antispam</code>	<code>/var/drweb.com/drl/antispam</code>
Directory with unwanted website databases	<code>/var/opt/drweb.com/drl/dws</code>	<code>/var/drweb.com/drl/dws</code>

Each directory indicated in the table contains `zone.ini` and `update.drl` files, one of which should be copied (together with the key file) to the computer for downloading updates.

To determine actual paths to directories with databases, run the following commands:

- for virus databases:

```
$ drweb-ctl cfshow Update.BaseDrlDir
```

- for antispam databases:

```
$ drweb-ctl cfshow Update.AntispamDrlDir
```

- for unwanted website databases:

```
$ drweb-ctl cfshow Update.DwsDrlDir
```

## 2.3. Downloading databases

Download Dr.Web Local Update Mirror Utility from [the official website](#) of Doctor Web and navigate using the `cd` command in a console or terminal emulator to the directory comprising this utility.

Below are examples of commands that will differ depending on OSES and configurations being used. In the following examples the utility runs on Linux, the required resources (the key file and



.ini files) are in the same directory as the utility, and updates are stored in the /tmp/updates directory. Any other writable directory can be set for storing updates. If such directory does not exist, it will be created in the process of downloading resources. In order to avoid mistakes, zone.ini files for different groups of resources should be renamed to bases.ini, antispam.ini and dws.ini.

Grant a permission to run the utility:

```
$ chmod +x drweb-mirror-11.1-linux-amd64
```

Download virus databases:

```
$ ./drweb-mirror-11.1-linux-amd64 --path /tmp/updates --key drweb32.key --bases-ini bases.ini
```

Download antispam databases:

```
$ ./drweb-mirror-11.1-linux-amd64 --path /tmp/updates --key drweb32.key --antispam-ini antispam.ini
```

Download unwanted website databases:

```
$ ./drweb-mirror-11.1-linux-amd64 --path /tmp/updates --key drweb32.key --dws-ini dws.ini
```

## 2.4. Updating computers without an internet connection

Copy the directory with updates to the computer to be updated and run the following command:

```
# drweb-ctl update --from /tmp/updates
```

