

**NAME**

update-ca-certificates – update /etc/ssl/certs and ca-certificates.crt

**SYNOPSIS**

**update-ca-certificates** [*options*]

**DESCRIPTION**

This manual page documents briefly the **update-ca-certificates** command.

**update-ca-certificates** is a program that updates the directory /etc/ssl/certs to hold SSL certificates and generates ca-certificates.crt, a concatenated single-file list of certificates.

It reads the file /etc/ca-certificates.conf. Each line gives a pathname of a CA certificate under /usr/share/ca-certificates that should be trusted. Lines that begin with "#" are comment lines and thus ignored. Lines that begin with "!" are deselected, causing the deactivation of the CA certificate in question. Certificates must have a .crt extension in order to be included by update-ca-certificates.

Furthermore all certificates with a .crt extension found below /usr/local/share/ca-certificates are also included as implicitly trusted.

Before terminating, **update-ca-certificates** invokes **run-parts** on /etc/ca-certificates/update.d and calls each hook with a list of certificates: those added are prefixed with a +, those removed are prefixed with a -.

**OPTIONS**

A summary of options is included below.

**-h, --help**

Show summary of options.

**-v, --verbose**

Be verbose. Output **openssl rehash**.

**-f, --fresh**

Fresh updates. Remove symlinks in /etc/ssl/certs directory.

**FILES**

*/etc/ca-certificates.conf*

A configuration file.

*/etc/ssl/certs/ca-certificates.crt*

A single-file version of CA certificates. This holds all CA certificates that you activated in /etc/ca-certificates.conf.

*/usr/share/ca-certificates*

Directory of CA certificates.

*/usr/local/share/ca-certificates*

Directory of local CA certificates (with .crt extension).

**SEE ALSO**

**openssl(1)**

**AUTHOR**

This manual page was written by Fumitoshi UKAI <ukai@debian.or.jp>, for the Debian project (but may be used by others).