
Digidoc Open-EID - Installation instructions for Debian 9 Stretch

Release 1.2.0

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Jul 20, 2018

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This note shows how to install the [Estonian Electronic Identity Software](#) on Debian 9.

Important: Update 20180621: Ria does not maintain the *zesti* binaries any more. Therefore I replaced the link in script to *xenial* instead. Although there are no dependency clashes on my system, I do not have the time to test a fresh install now. Feedback is appreciated.

1 ID-software – what’s this?

ID-software allows you to use your ID-card electronically – use private and governmental e-services, digitally sign documents and encrypt documents for safe transfer.

During ID-software installation 3 programs are installed into your computer: ID-card utility, DigiDoc3 client and DigiDoc3 crypto.

With ID-card utility you can check the functioning of your ID-card and certificate validity, change PIN and PUK codes. The ID-card utility window displays the ID-card owner’s data and ID-card validity data. This information is constantly visible when ID-card utility is running. ID-card utility enables you to perform actions with certificates (extend them, change and unblock PIN codes and PUK code), configure @eesti.ee email address.

2 Installation

Tip: The installer script will automatically install a plugin for Firefox-ESR. The plugin works out of the box with Firefox 57 Quantum.

1. Download the installer [script](#).
2. Edit the script

Replace:

```
case $codename in
  wheezy)
    add_repository trusty
  *)
    make_fail "Debian $codename is not officially supported"
  ;;
```

With:

```
case $codename in
  wheezy)
    add_repository trusty
    ;;
  stretch)
    add_repository xenial
    ;;
  *)
    make_fail "Debian $codename is not officially supported"
  ;;
```

3. Download [libssl1.0.0](#) for your architecture (scroll down)
4. Install *libssl1.0.0*:

```
sudo dpkg -i libssl1.0.0_1.0.1t-1+deb8u5_amd64.deb
```

(your exact package name might be different).

5. Run the modified installation script¹

```
./install-open-eid.sh
```

Note: The [source code](#) of the Estonian ID software is hosted on Github.

3 Check the installation

Among other things the installer script installs a meta package *open-eid* which installs *chrome-token-signing*, *firefox-pkcs11-loader*, *libdigidoc-tools*, *libdigidocpp-tools*, *libnss3-tools*, *qdigidoc-tera* and *qdigidoc4*. These packages also depend on other packages and install them.

¹ The script creates the file */etc/apt/sources.list.d/ria-repository.list* with the following content:

```
deb https://installer.id.ee/media/ubuntu/ xenial main
```

Then it imports the repository key and runs *apt-get update* and *apt-get install open-eid*.

To check if the *Digidoc Open-EID* extensions are properly installed in *Firefox Quantum*, open in the main menu: *Tools->Add-ons->extensions*.

Here you should see two extensions loaded:

- Firefox PKCS11 loader (Configures Firefox to use PKCS11 for authentication)
- Token signing (Use your eID smart card on the web)