

Installation Guide For Free Software Client Reference System



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ALTO ADIGE



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USAGE OF DOCUMENT

This document describes in detail the installation process and the browser configuration necessary to use the online eGov services. All software used is Free Software and can be installed on the most common GNU/Linux distributions which can be downloaded free of charge.

This How-To guide is part of the Free Software Client Reference System project.

INTRODUCTION

This How-To Guide will attempt to make the installation as easy as possible. It primarily consists of two phases:

1. Drivers and dependencies

Here all the necessary software needed by the card reader is installed and described. The software is installed using the terminal.

2. Environment Configuration

This part of the guide describes the necessary browser configuration to access all the eGov services provided by the public administration.

This installation guide is based on Ubuntu 12.04 LTS 64-bit.

DEPENDENCIES FOR INSTALLATION

Dependency List:

- *pcscd*
- *libacr38u*
- *opensc*

Open a terminal and update the system:

```
$ sudo apt-get update
```

Install the packages:

```
$ sudo apt-get install pcscd libacr38u opensc
```

Confirm that the drivers are working by plugging in the card reader into a USB port.

Insert the “Bürgerkarte” and run the following command in the terminal:

```
$ opensc-tool -av
```

You should see the following output:

```
Using reader with a card: ACS ACR 38U-CCID 00 00
Connecting to card in reader ACS ACR 38U-CCID 00 00...
Using card driver Italian CNS...
```

If the card is not detected run:

```
$ sudo /etc/init.d/pcscd restart
```

If it is still not being detected restart the machine

ENVIRONMENT CONFIGURATION

1. Start Firefox.
2. Go to **Edit → Preferences**.
3. Click **Advanced**, then the **Encryption** tab.
4. Click the **Security Devices** tab.
5. On the right side of Device Manager Window click the **Load** button.
6. Enter a *Module Name*, for eg *PCS*
7. In the *Module filename* field, click the **Browse** button.
8. Navigate to `/usr/lib`.
9. Select **opensc-pkcs11.so**
10. Restart Firefox.
11. Navigate to <https://account.egov.bz.it/auth/Login.aspx?b=https://myportal.egov.bz.it/&l=2&t=C>
12. Plug in the card reader, insert the card and click the **Anmelden** button.
13. Enter your **PIN** number.