



Published on Gooze (<http://www.gooze.eu>)

[Home](#) > Tutorials

Tutorials

[1]

Gooze provides tutorials to help you implement PKI, CA and SSO free software solutions under GNU/Linux, Mac OS X and Windows. These tutorials are available in PDF format. You may also [download](#) [2] all-in-one CD/DVD images with Open Source software and documentation.

Smart card installation

[3]

Read our [Smart card quickstarter guide](#) [4]: learn how to install and initialize a cryptographic device under GNU/Linux, Mac OS X or Windows.

Start here if you have bought a [Feitian PKI card](#) [5] or a [Feitian PKI USB token](#) [6] or a [Feitian ePass 2003 USB token](#) [7].



The tutorial covers all steps, including:

- Choosing a smart card and/or a crypto token
- Installation under GNU/Linux, Mac OS X or Windows
- Initialization
- PIN code setting
- Creation of a RSA key pair and of a self-signed X.509 certificate
- Basic smart card management
- Smart card troubleshooting

Workshops

You may also read our slide of workshops, which are a good introduction to smartcards:

- [Debian Miniconf Paris 2010, smartcard workshop](#) [8] (PDF format)

PKI applications

[9]

After reading our [quickstarter guide](#) [4], discover the usage of smart cards with applications.

Using SSH and SCP with smartcards:

- [Using OpenSSH with smartcards](#) [10] (GNU/Linux and Mac OS X)
- [CryptoTerm smartcard and USB token howto](#) [11] (Windows only)
- [Using Putty and WinSCP with smart cards](#) [12] (Windows only)

Web SSL Authentication:

- [Iceweasel / firefox smartcard howto](#) [13] (all systems)
- [Internet Explorer smartcard howto](#) [14] (Windows only)

Email signing and encryption:

- Outlook (coming)
- Thunderbird (coming)
- Evolution (coming)

Single Sign-On (SSO):

- [GNU/Linux smartcard logon using PAM-P11](#) [15]
- [GNU/Linux smartcard logon using PAM-PKCS11](#) [16]
- [Windows logon using smarcards](#) [17]
- [MacOS X Keychain logon using smarcards](#) [18]

Virtual Private Networks (VPN):

- [Using strongSwan with smart cards](#) [19]
- [Using OpenVPN with smart cards](#) [20]

Tutorials

- [Using Stunnel with smart cards](#) [21]

Encryption:

- [TrueCrypt smartcards and security tokens HOWTO](#) [22]
- [lm2 and dm-crypt smartcard HOWTO](#) [23]

PKI and Certification Authority (CA) management:

- [CA and PKI management using GnoMint](#). [24]
- Managing certificates using [CAcert.org](#) [25] online services (to be written). CAcert.org is really neat! If you don't want to manage your own PKI, use CAcert.org

Signing PDF and documents:

- No document, coming soon.

Mac OS X:

- [Mac OS X smartcard / token HOWTO](#) [26]

Embedded systems HOWTOs

[27]

Learn how to implement our [embedded systems](#) [28]:

- [ALIX board serial console HOWTO](#) [29]
- [Debian installation on ALIX board HOWTO](#) [30]
- [pfSense installation on ALIX board HOWTO](#) [31]

General information

[32]

- [Crypto Law Survey](#) [33] : international survey on cryptographic laws. Read it before using our tutorials.
- [Smartcard mini SIM cutting instructions](#) [34]: howto cut a smartcard into a mini SIM.
- [MacPorts HOWTO](#) [35]: learn how to use MacPorts to install free software under Mac OS X.

Copyright GOOZE.EU 2011.

Source URL: <http://www.gooze.eu/tutorials>

Links:

- [1] <http://www.gooze.eu/tutorial-header>
- [2] <http://www.gooze.eu/software-download>
- [3] <http://www.gooze.eu/smart-card-installation>
- [4] <http://www.gooze.eu/howto/smart-card-quickstarter-guide>
- [5] <http://www.gooze.eu/feitian-pki-card-ftcos-pk-01c>
- [6] <http://www.gooze.eu/feitian-pki-usb-token>
- [7] <http://www.gooze.eu/feitian-epass-2003-free-software-developer-kit>
- [8] <http://www.gooze.eu/sites/default/files/slides/debian-miniconf-paris-2010-v1.0-smartcard-workshop.pdf>
- [9] <http://www.gooze.eu/pki-applications>
- [10] <http://www.gooze.eu/howto/using-openssh-with-smartcards>
- [11] <http://www.gooze.eu/howto/cryptoterm-smartcard-and-usb-token-howto>
- [12] <http://www.gooze.eu/howto/using-putty-and-winscp-with-smart-cards-under-windows>
- [13] <http://www.gooze.eu/howto/iceweasel-firefox-smartcard-and-token-cacert-howto>
- [14] <http://www.gooze.eu/howto/internet-explorer-smartcard-howto-windows>
- [15] <http://www.gooze.eu/howto/gnu-linux-smartcard-logon-using-pam-p11>
- [16] <http://www.gooze.eu/howto/gnu-linux-smartcard-logon-using-pam-pkcs11>
- [17] <http://www.gooze.eu/howto/windows-logon-using-smartcards>
- [18] <http://www.gooze.eu/howto/mac-os-x-smartcard-token-howto/keychain-logon>
- [19] <http://www.gooze.eu/howto/using-strongswan-with-smart-cards>

Tutorials

- [20] <http://www.gooze.eu/howto/using-openvpn-with-smart-cards>
- [21] <http://www.gooze.eu/howto/using-stunnel-with-smart-cards>
- [22] <http://www.gooze.eu/howto/truecrypt-smartcards-and-security-tokens-howto>
- [23] <http://www.gooze.eu/howto/lvm2-and-dm-crypt-smartcard-howto>
- [24] <http://www.gooze.eu/howto/ca-and-pki-management-using-gnomint/ca-and-pki-management-using-gnomint>
- [25] <http://www.cacert.org>
- [26] <http://www.gooze.eu/howto/mac-os-x-smartcard-token-howto>
- [27] <http://www.gooze.eu/embedded-systems-howtos>
- [28] <http://www.gooze.eu/catalog/embedded-systems-0>
- [29] <http://www.gooze.eu/howto/alix-board-serial-console-howto>
- [30] <http://www.gooze.eu/debian-installer-on-alix-board-howto>
- [31] <http://www.gooze.eu/howto/pfsense-installation-on-alix-board-howto>
- [32] <http://www.gooze.eu/general-information>
- [33] <http://rechten.uvt.nl/koops/cryptolaw/index.htm>
- [34] <http://www.gooze.eu/smartcard-mini-sim-cutting-instructions>
- [35] <http://www.gooze.eu/howto/macports-howto>