Importing and using your Email or Personal Authentication certificate with Djigzo for Android

Djigzo is a third party mobile application that provides S/MIME services which are missing from the native Android OS. Once you have installed Djigzo and imported your CPAC, Djigzo will work alongside your chosen mail application to help you send and receive secure mail.

This document explains how you can import, configure and use your CPAC on Android devices using Djigzo App.

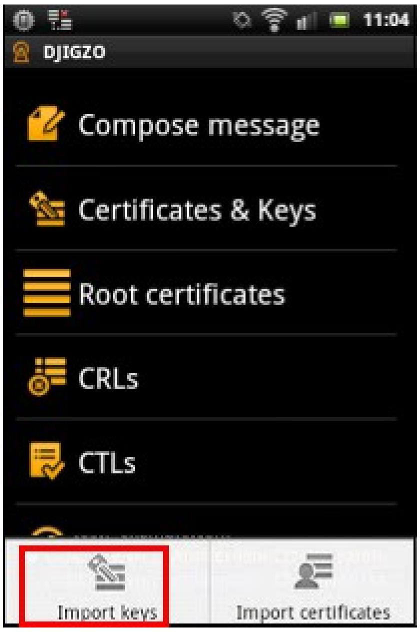
- Importing your certificate into Djigzo
- Signing and encrypting mails
- Viewing signed and encrypted mails

If you originally downloaded your certificate to your desktop or laptop then you first need to export it using one of the browsers listed on the CPAC main page. When doing this, please make sure you export the private key and include all certificates in the certificate path if possible. You must also specify a strong password to protect the certificate file.

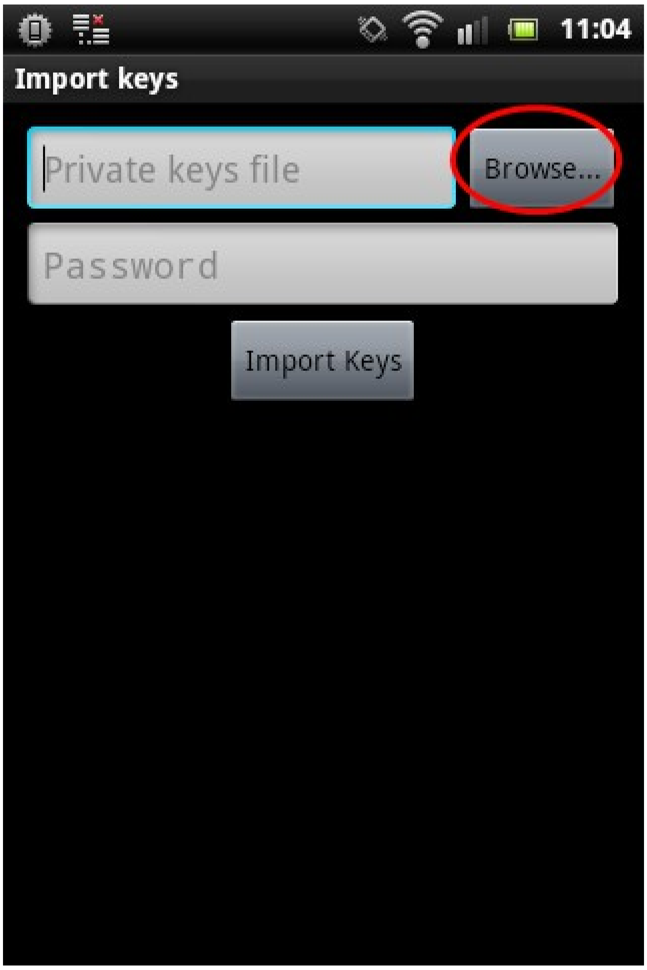
Once exported you can email the certificate file to your Android device or transfer it in some other manner (for example, copy to a USB drive or upload then download from online storage).

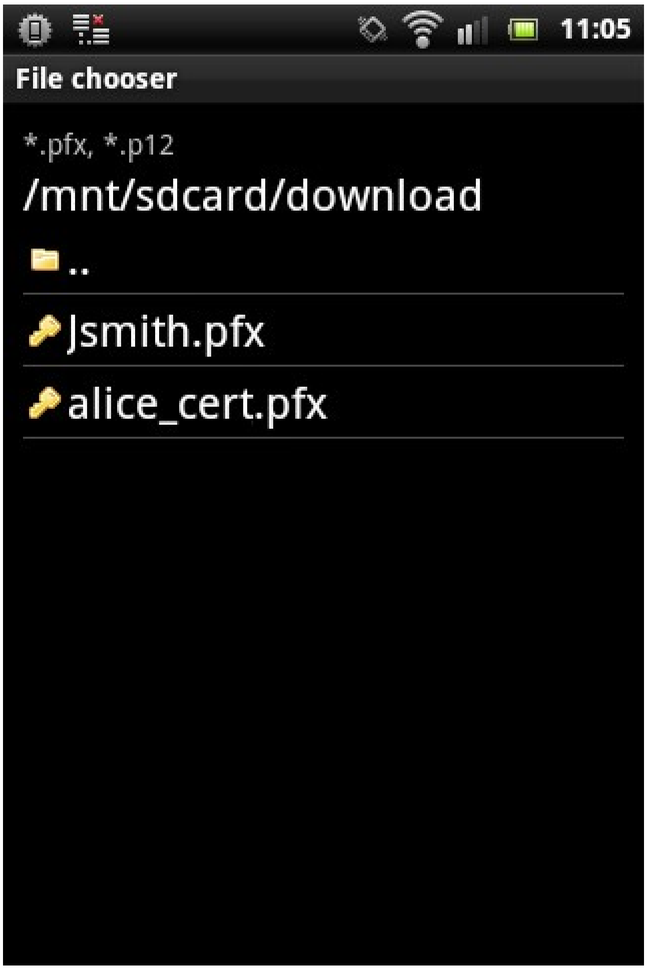
Importing your certificate into Djigzo:

1. Open the Djigzo app and touch the menu button on the device.
2. Tap **'Import Keys'**.

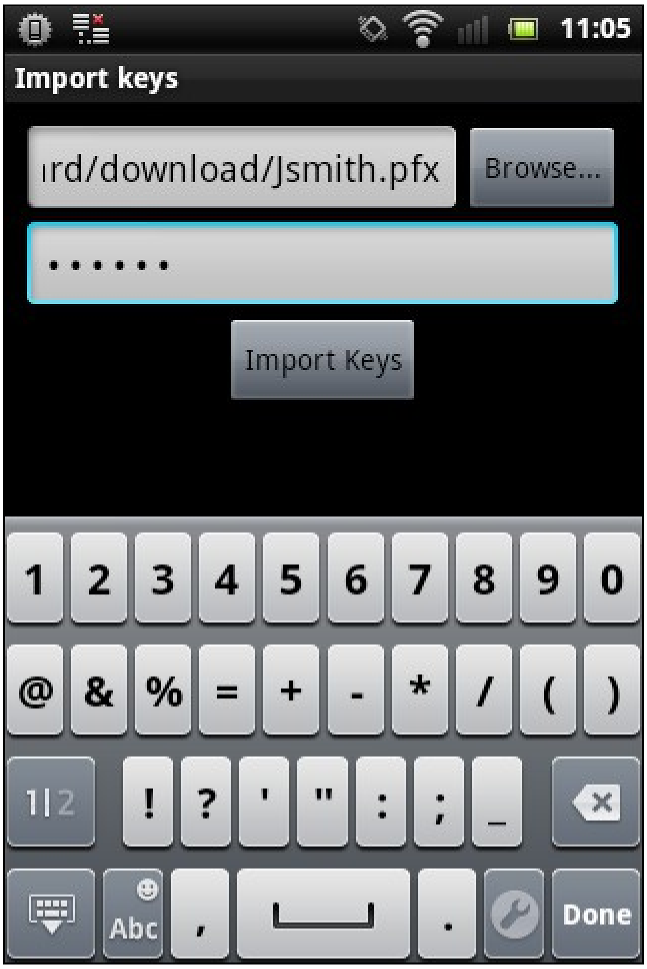


3. Use the browse button to locate and choose the certificate you want to import:

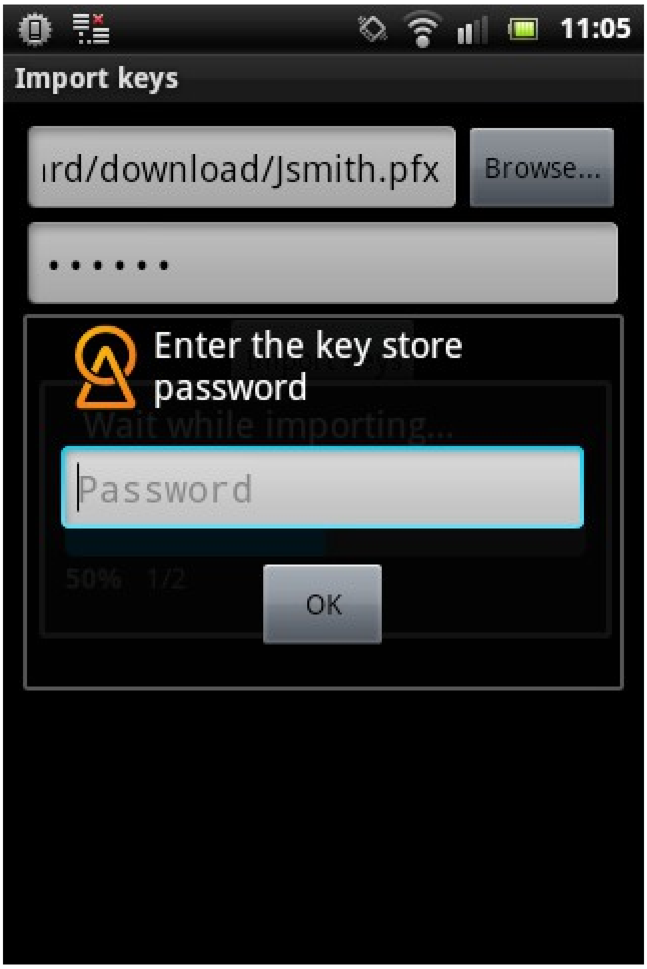




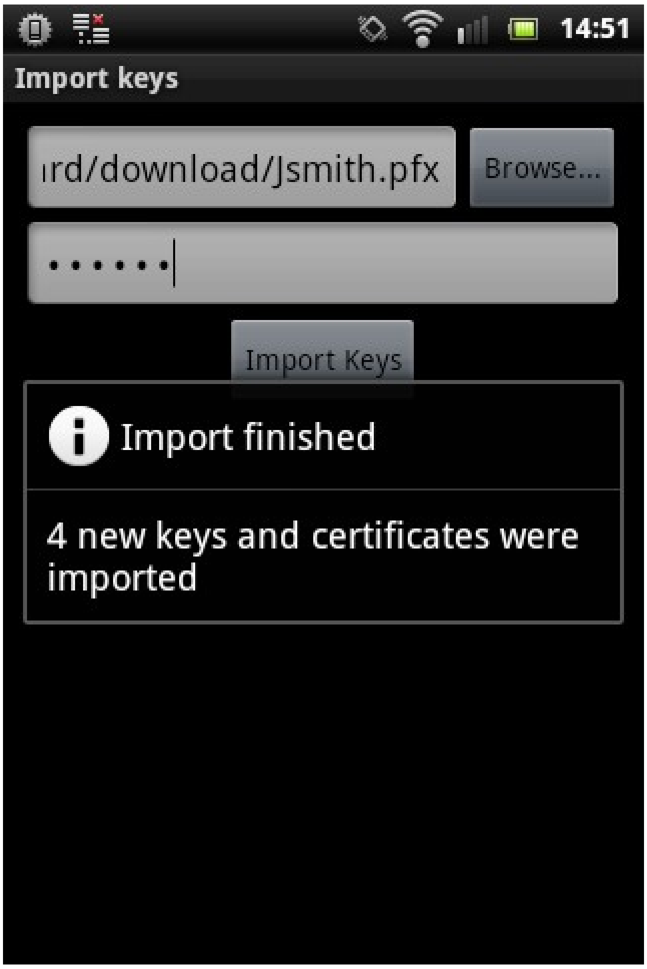
4. Enter the password you set up for the certificate when it was exported then press the **'Import Keys'** button to begin the import process.



5. Next, enter the password for the key store that was set during the first certificate import. **Note:** This key store password is different from the password used for importing certificates.



The certificate will be imported and you will see a confirmation message:



14:51

Import keys

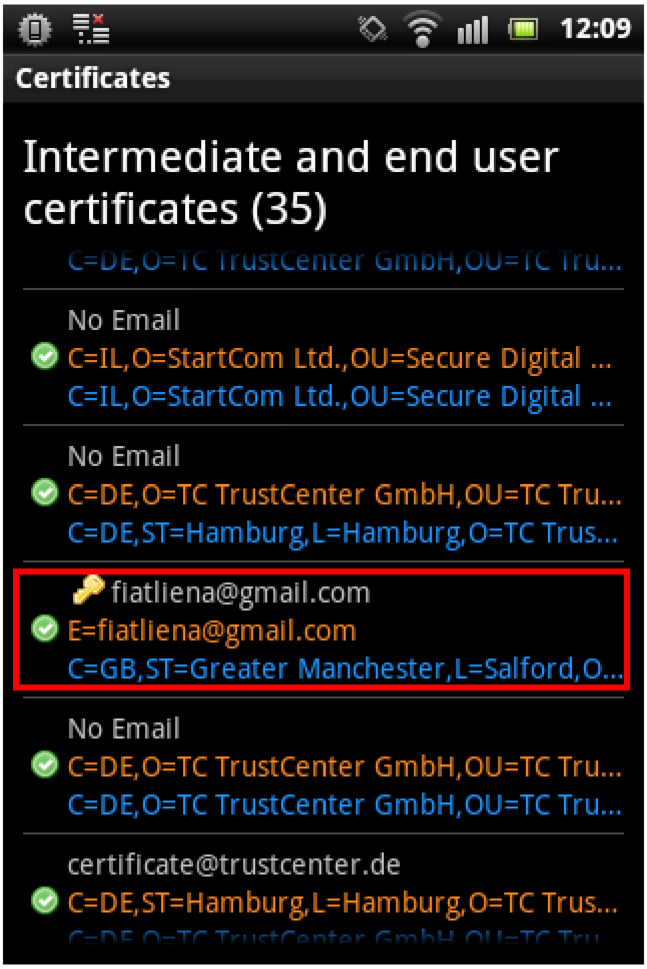
ırd/download/Jsmith.pfx

••••••

Import finished

4 new keys and certificates were imported

The imported certificate can be viewed in the **Certificate & Keys** screen:



12:09

Certificates

Intermediate and end user certificates (35)

C=DE,O=TC TrustCenter GmbH,OU=TC Tru...

No Email
✓ C=IL,O=StartCom Ltd.,OU=Secure Digital ...
C=IL,O=StartCom Ltd.,OU=Secure Digital ...

No Email
✓ C=DE,O=TC TrustCenter GmbH,OU=TC Tru...
C=DE,ST=Hamburg,L=Hamburg,O=TC Trus...

fiatliena@gmail.com
✓ E=fiatliena@gmail.com
C=GB,ST=Greater Manchester,L=Salford,O...

No Email
✓ C=DE,O=TC TrustCenter GmbH,OU=TC Tru...
C=DE,O=TC TrustCenter GmbH,OU=TC Tru...

certificate@trustcenter.de
✓ C=DE,ST=Hamburg,L=Hamburg,O=TC Trus...
C=DE,O=TC TrustCenter GmbH,OU=TC Tru

The certificate can now be used for signing and encrypting messages for the account that you have configured on the device.

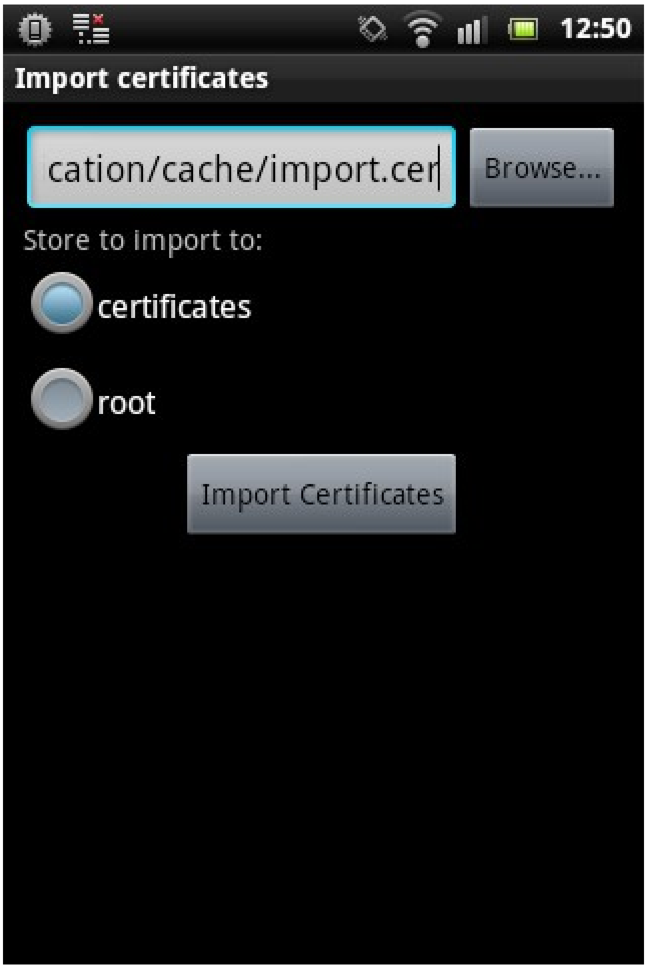
Signing and Encrypting Mails

Background Information:

- Signing an email ensures the recipient knows the email has come from you and informs them that it has not been modified in transit.
- Encrypting an email ensures that only the recipient can read the email content and attachments.

Note: In order to encrypt mail, you must first have your recipient's email certificate in your certificate store. To obtain their certificate, you need to get your contact to send you a digitally signed email.

Upon receipt of the signed mail, tap the certificate download button in your mail client. Djigzo will then automatically open and offer to import the certificate for you. Make sure the 'Certificates' store is selected then touch the **'Import Certificates'** button to begin importing.



Import certificates

cation/cache/import.cer

Store to import to:

● certificates

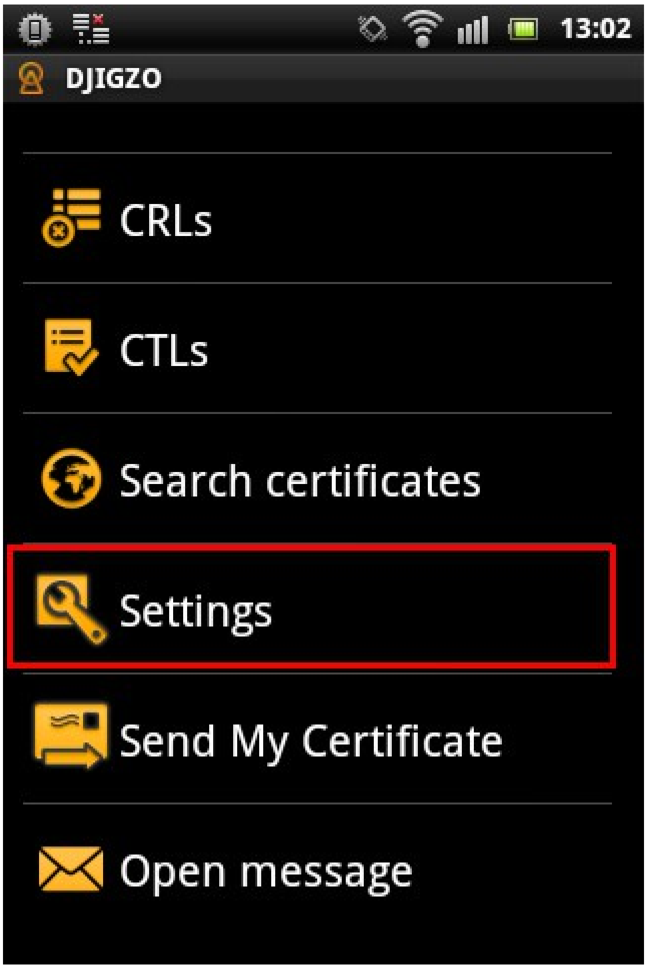
○ root

After import is complete, you need to assign the certificate to your mail account

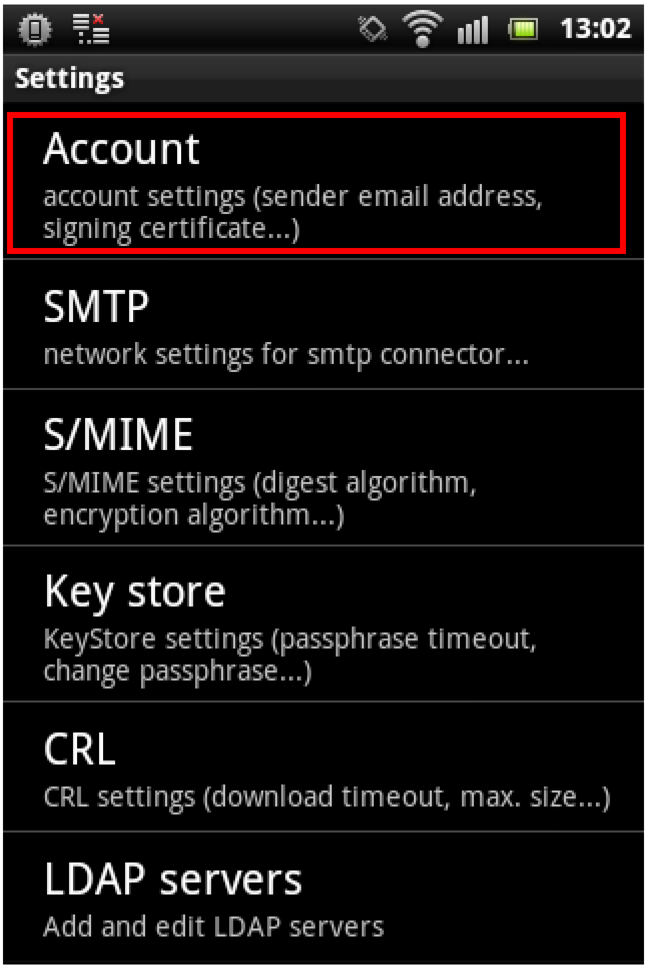
- Assign the certificate
- Sign and encrypt mails

Assign the certificate

1. Open Djigzo and access **'Settings'**.



2. Tap **Account** in the settings screen then select the mail account which matches the certificate you imported earlier:



13:02

Settings

Account
account settings (sender email address, signing certificate...)

SMTP
network settings for smtp connector...

S/MIME
S/MIME settings (digest algorithm, encryption algorithm...)

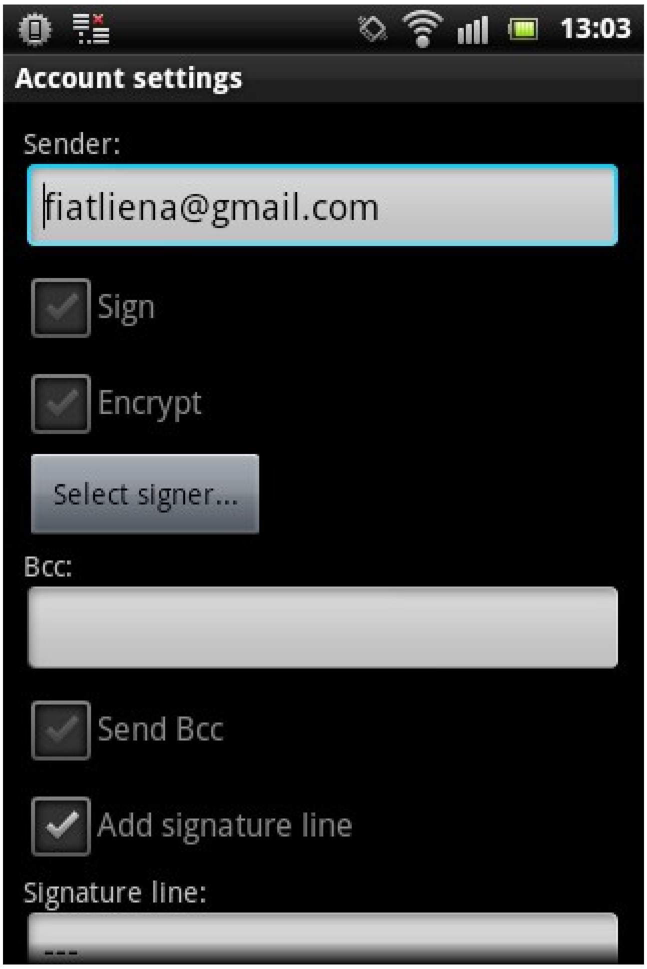
Key store
KeyStore settings (passphrase timeout, change passphrase...)

CRL
CRL settings (download timeout, max. size...)

LDAP servers
Add and edit LDAP servers

3. In 'Account settings', tick the **Sign** and **Encrypt** check-boxes. Once these are enabled, Android will offer you the opportunity to sign and/or encrypt mail on a per-message basis.

   Next, tap **'Select signer...'**.



Account settings

Sender:

fiatliena@gmail.com

☑ Sign

☑ Encrypt

Bcc:

☑ Send Bcc

☑ Add signature line

Signature line:

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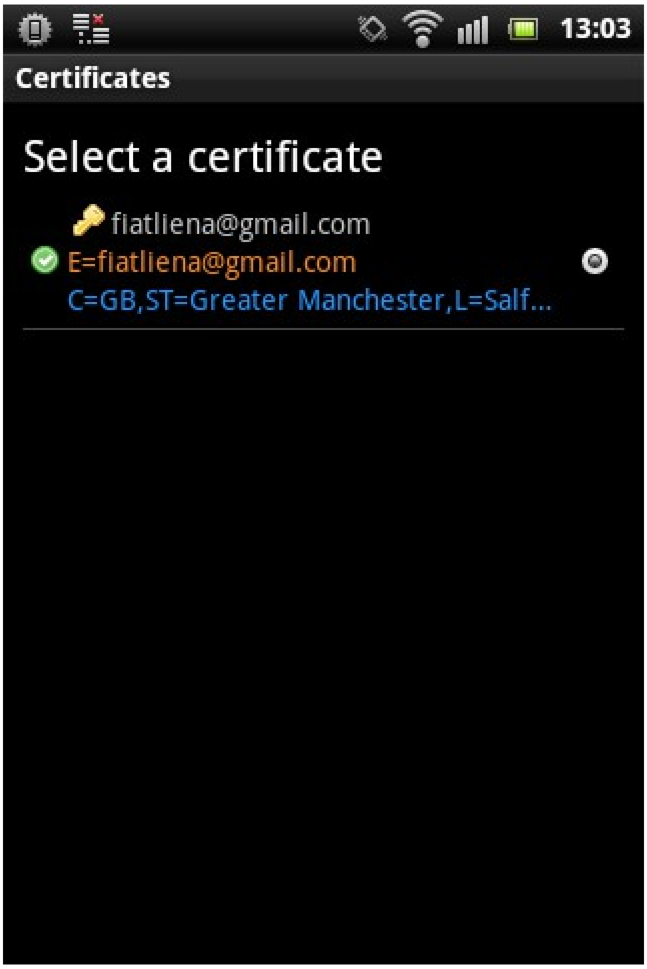
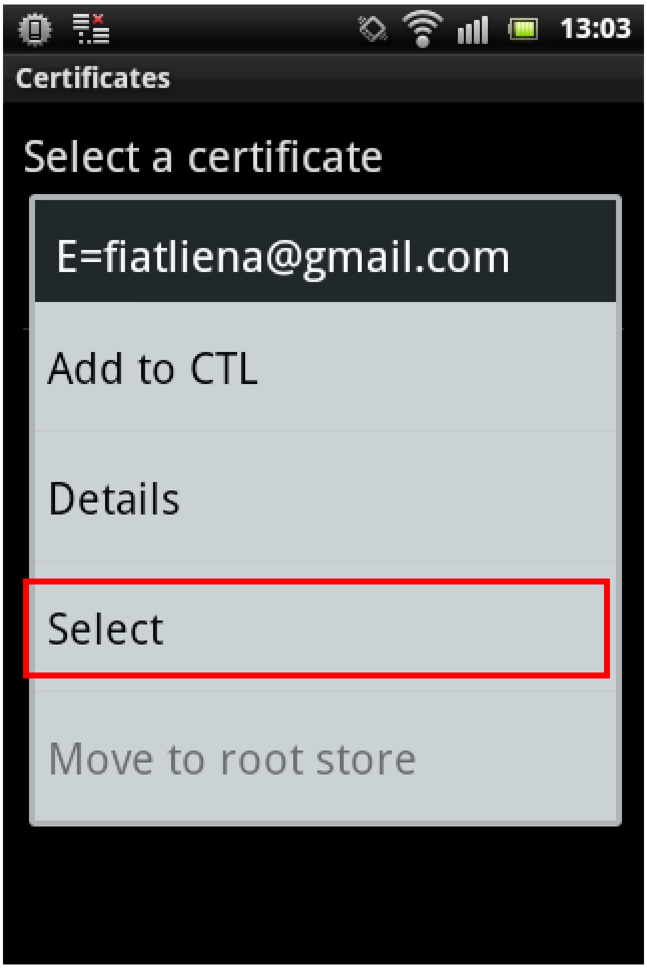
4. Long press on the certificate that you want to assign to the mail account



Select a certificate

fiatliena@gmail.com
E=fiatliena@gmail.com
C=GB,ST=Greater Manchester,L=Salf...

5. Touch **'Select'** to confirm your choice.



Certificates

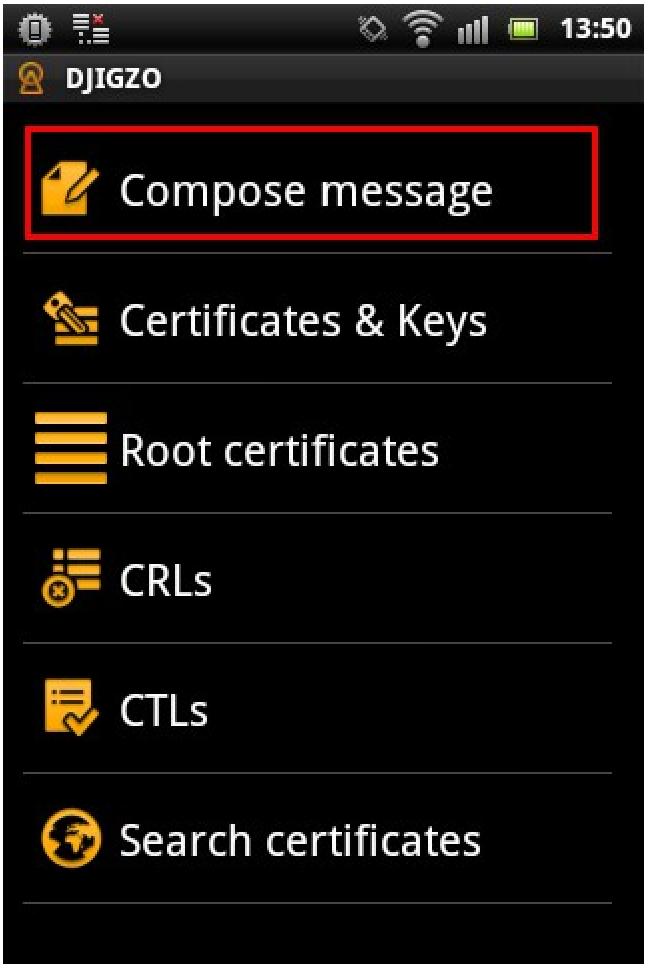
Select a certificate

E=fiatliena@gmail.com

The certificate you selected will be used by Djigzo to sign and encrypt mail for your account.

To sign and encrypt mails

1. Open Djigzo and tap **'Compose message'**.



13:50

DJIGZO

Compose message

Certificates & Keys

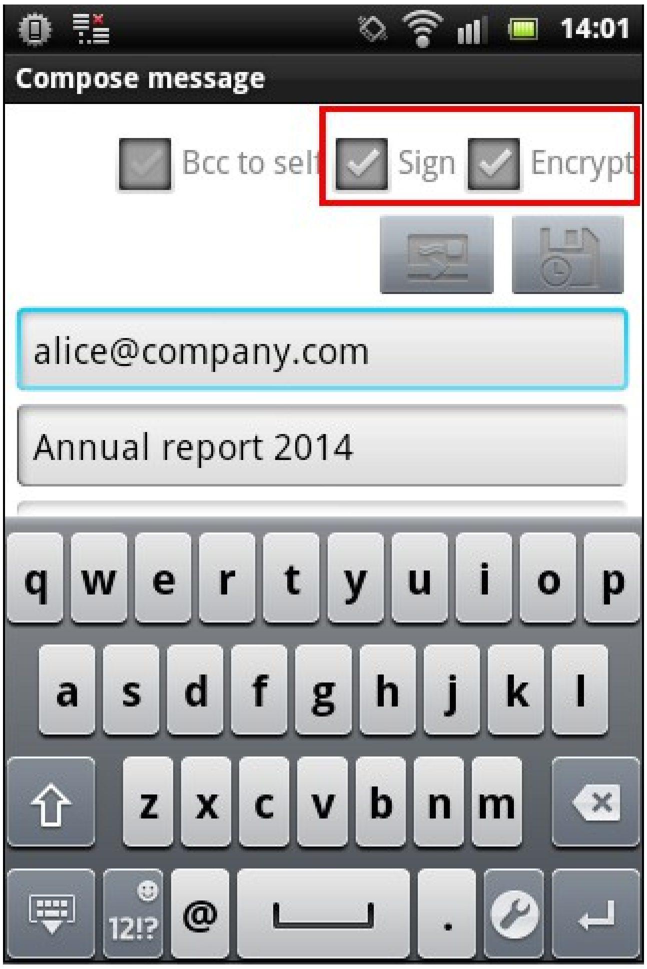
Root certificates

CRLs

CTLs

Search certificates

2. Compose your email and attach files as usual. Enable the **'Sign'** and/or **'Encrypt'** check-boxes and press 'Send'.



14:01

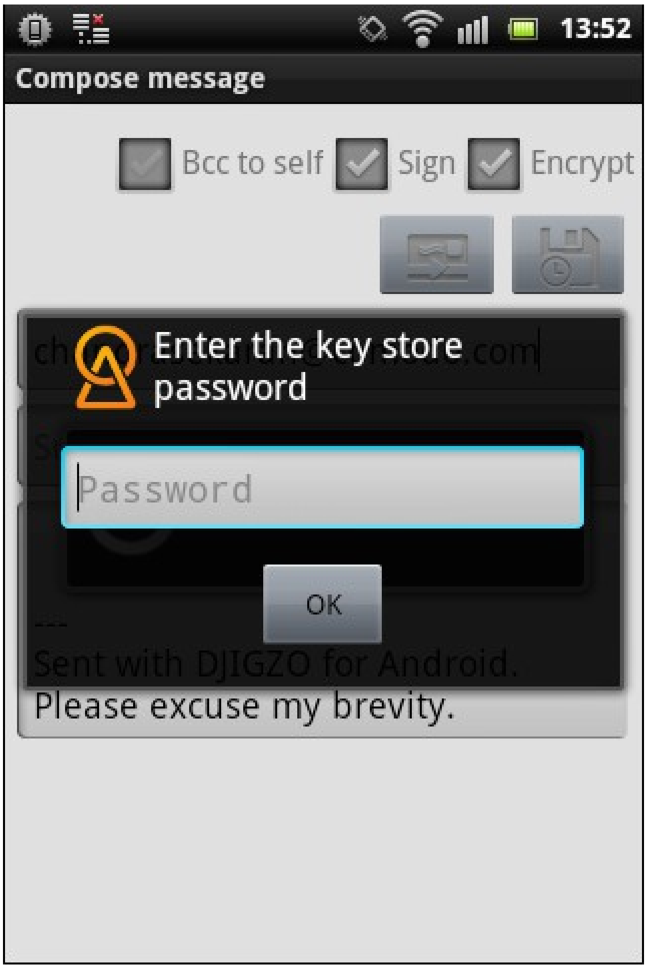
Compose message

☐ Bcc to self ☑ Sign ☑ Encrypt

alice@company.com

Annual report 2014

3. Djigzo requires password authorization to access your certificate. Enter the key store password and tap **'OK'**.



Enter the key store password

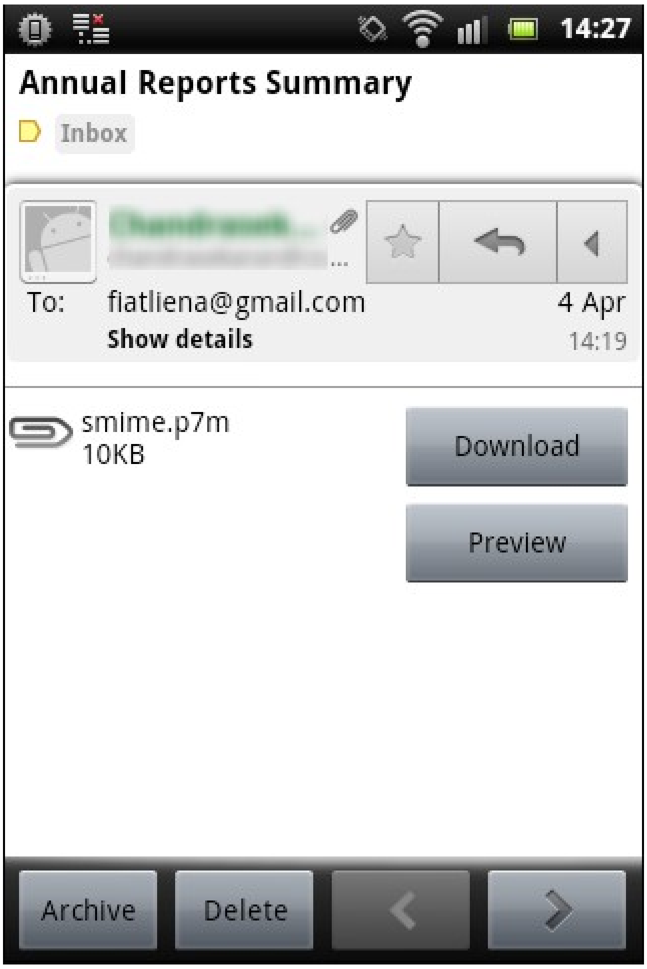
Sent with DJIGZO for Android.
Please excuse my brevity.

The message will be sent.

Viewing signed and encrypted mails

When a signed and/or encrypted mail is received by your Android mail client, it will have a .p7m attachment. If the mail is only signed, then Djigzo will verify the signature and your mail client will display the message as usual. If the mail is encrypted then Djigzo will require you to enter your certificate password so it can decrypt the message.

1. Select the encrypted mail and tap the **'Preview'** button.



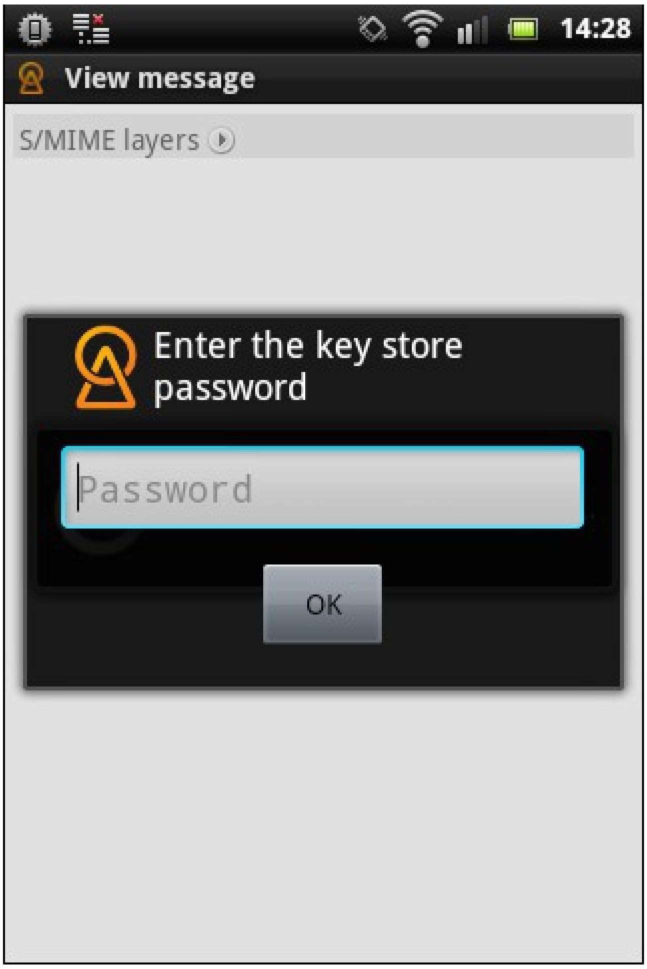
Annual Reports Summary

To: fiatliena@gmail.com

4 Apr 14:19

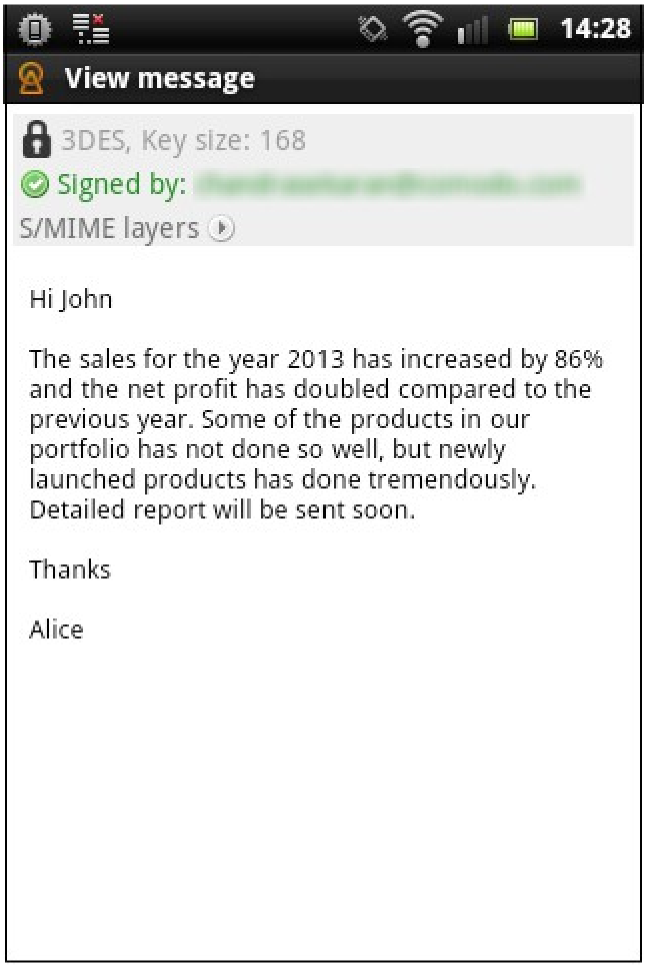
smime.p7m
10KB

2. The encrypted message will automatically be opened by Djigzo.



3. Enter the key store password and tap **'OK'**.

4. The decrypted message will be displayed in Djigzo.



3DES, Key size: 168

Signed by: [redacted]

S/MIME layers

Hi John

The sales for the year 2013 has increased by 86% and the net profit has doubled compared to the previous year. Some of the products in our portfolio has not done so well, but newly launched products has done tremendously. Detailed report will be sent soon.

Thanks

Alice

About Comodo

The Comodo organization is a global innovator and developer of cyber security solutions, founded on the belief that every single digital transaction deserves and requires a unique layer of trust and security. Building on its deep history in SSL certificates, antivirus and endpoint security leadership, and true containment technology, individuals and enterprises rely on Comodo's proven solutions to authenticate, validate and secure their most critical information.

With data protection covering endpoint, network and mobile security, plus identity and access management, Comodo's proprietary technologies help solve the malware and cyber-attack challenges of today. Securing online transactions for thousands of businesses, and with more than 85 million desktop security software installations, Comodo is Creating Trust Online®. With United States headquarters in Clifton, New Jersey, the Comodo organization has offices in China, India, the Philippines, Romania, Turkey, Ukraine and the United Kingdom.

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