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Android Signing

- Generating a private key
- Submitting your key to build
- Unlocking your key

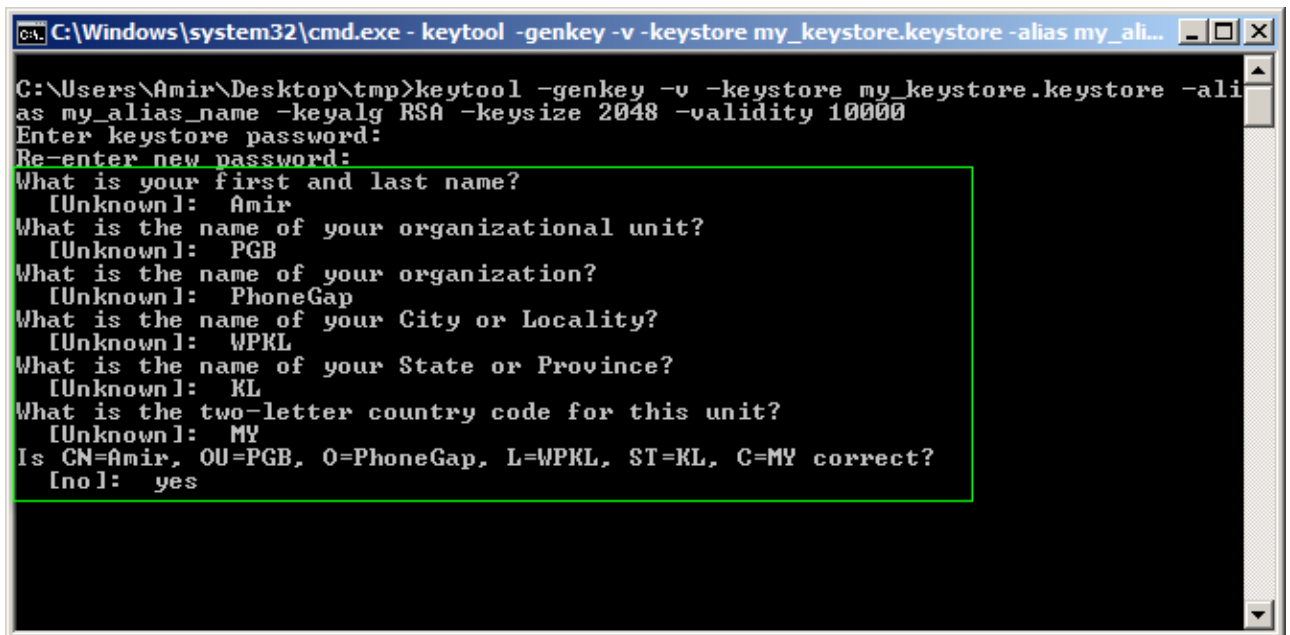
Note: it is Phonegap Build's policy not to retrieve signing keys for users, for legal reasons. Back them up.

Generating a private key

1. Download and install Java.
2. Set Java_Home directory.
3. Open the command prompt (cmd.exe) as an Administrator, then Run the following command: `$ keytool -genkey -v -keystore [keystore_name].keystore -alias [alias_name] -keyalg RSA -keysize 2048 -validity 10000`
4. Keytool will ask for keystore password. Enter password and confirm:

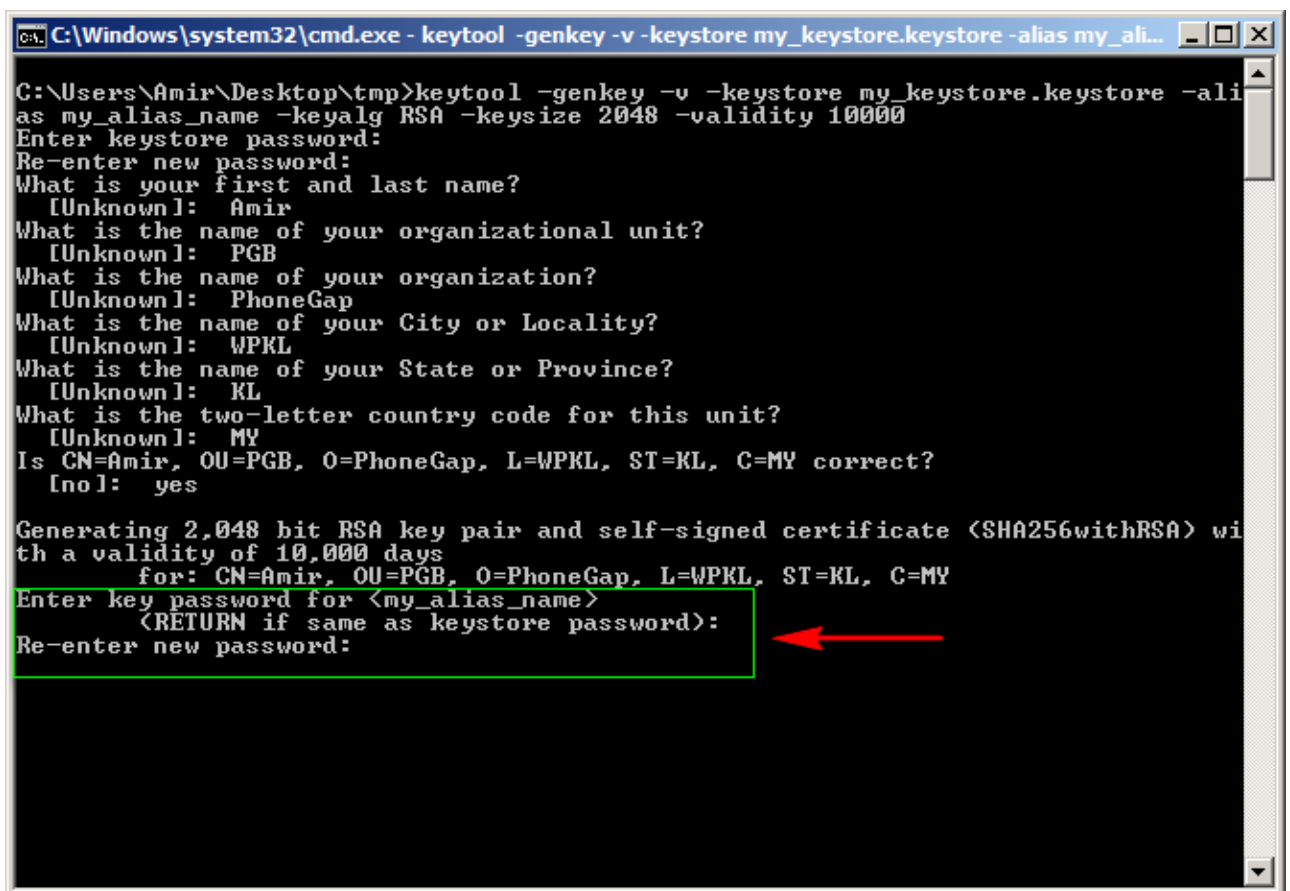
```
C:\Windows\system32\cmd.exe - keytool -genkey -v -keystore my_keystore.keystore -alias my_ali...  
C:\Users\Amir\Desktop\tmp>keytool -genkey -v -keystore my_keystore.keystore -alias my_alias_name -keyalg RSA -keysize 2048 -validity 10000  
Enter keystore password:  
Re-enter new password:
```

5. Next, keytool will ask for additional information. Supply appropriately:



```
C:\Windows\system32\cmd.exe - keytool -genkey -v -keystore my_keystore.keystore -alias my_ali...
C:\Users\Amir\Desktop\tmp>keytool -genkey -v -keystore my_keystore.keystore -alias my_alias_name -keyalg RSA -keysize 2048 -validity 10000
Enter keystore password:
Re-enter new password:
What is your first and last name?
[Unknown]: Amir
What is the name of your organizational unit?
[Unknown]: PGB
What is the name of your organization?
[Unknown]: PhoneGap
What is the name of your City or Locality?
[Unknown]: WPKL
What is the name of your State or Province?
[Unknown]: KL
What is the two-letter country code for this unit?
[Unknown]: MY
Is CN=Amir, OU=PGB, O=PhoneGap, L=WPKL, ST=KL, C=MY correct?
[no]: yes
```

6. Next, keytool will ask password for Alias. Return if it's the same as keystore password. Otherwise enter password and confirm:



```
C:\Windows\system32\cmd.exe - keytool -genkey -v -keystore my_keystore.keystore -alias my_ali...
C:\Users\Amir\Desktop\tmp>keytool -genkey -v -keystore my_keystore.keystore -alias my_alias_name -keyalg RSA -keysize 2048 -validity 10000
Enter keystore password:
Re-enter new password:
What is your first and last name?
[Unknown]: Amir
What is the name of your organizational unit?
[Unknown]: PGB
What is the name of your organization?
[Unknown]: PhoneGap
What is the name of your City or Locality?
[Unknown]: WPKL
What is the name of your State or Province?
[Unknown]: KL
What is the two-letter country code for this unit?
[Unknown]: MY
Is CN=Amir, OU=PGB, O=PhoneGap, L=WPKL, ST=KL, C=MY correct?
[no]: yes

Generating 2,048 bit RSA key pair and self-signed certificate (SHA256withRSA) with a validity of 10,000 days
for: CN=Amir, OU=PGB, O=PhoneGap, L=WPKL, ST=KL, C=MY
Enter key password for <my_alias_name>
<RETURN if same as keystore password>:
Re-enter new password:
```

7. Your signing key is now ready to submit:

```

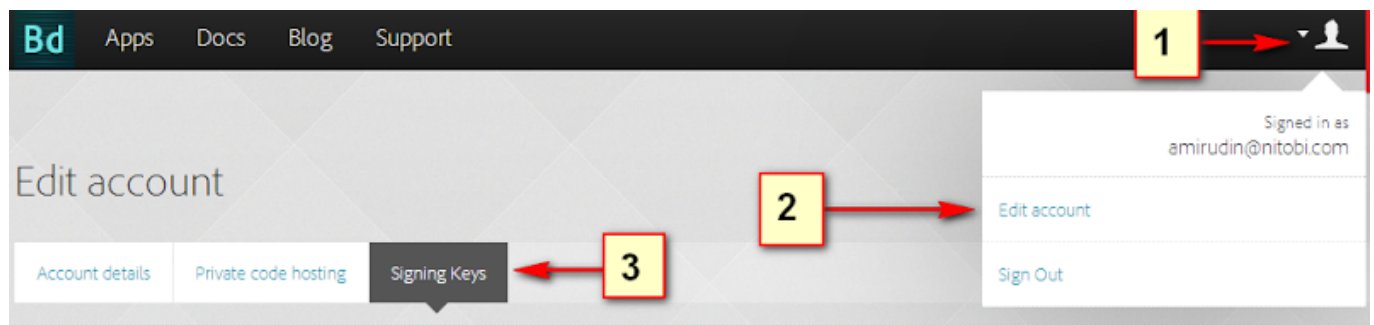
]
Algorithm: [SHA256withRSA]
Signature:
0000: 9E 22 46 F9 A3 2E B0 93 E8 C4 0D 15 8C 27 AF AD ."F.....'..
0010: EB B5 BB FB B4 A7 B0 C3 1D 9A AD 0C 44 58 C8 89 .....DX..
0020: BC 22 7D 78 45 25 95 51 D1 2B 10 E6 06 80 7E 54 ..xE%.Q.+.....T
0030: A0 24 31 02 3E C5 53 FC 43 33 31 2E 99 14 34 F7 .$1.>$.C31...4.
0040: 7F A6 73 06 A5 9D 06 68 5F 55 D5 28 A0 DD E2 22 ..s....h_U.<..."
0050: 97 14 B2 29 CA 9D 87 BB FB EC 66 8C 29 EE EB B4 ...>.....f.>...
0060: 4B 51 31 D7 78 CE DC D6 6B 15 1B 75 5C 0A 60 5D KQ1.x...k..u\..l
0070: 21 0A D7 B3 38 4D 05 DF 0D 8B 64 71 8F 47 2E 83 ?...8M...dq.G..
0080: 71 8B 72 79 C0 A4 B1 BC 4C 69 5E A6 6F 4B 5F 2A q.ry....Li^.oK_*
0090: C0 8F CE 9D 31 BC AE 7F 19 A1 95 97 3C 43 C1 E1 ....1.....<C..
00A0: DB 61 C7 6E 9F 15 56 A7 5E 20 43 11 AC 0D 71 D8 .a.n..U.^C...q.
00B0: 7D 56 8B 13 8C 31 AC A1 78 36 E8 B3 2A 86 16 93 .U...1...x6...*...
00C0: 0B 1D A4 8F D2 84 21 DB FD F3 40 09 5B E3 16 46 .....!...@.l..F
00D0: C5 17 96 67 84 4C 07 22 1B 6E 74 EE 16 38 08 6B ...g.L.."nt...8.k
00E0: 8A 84 99 57 CA C6 2E C4 76 F8 9C 1E AA 07 E9 91 ...W...v.....
00F0: 0B 61 DE 8F 26 65 E6 40 56 41 AB F3 25 B3 80 3B .a...&e.CUA...%;

]
[Storing my_keystore.keystore]
C:\Users\Amir\Desktop\tmp>

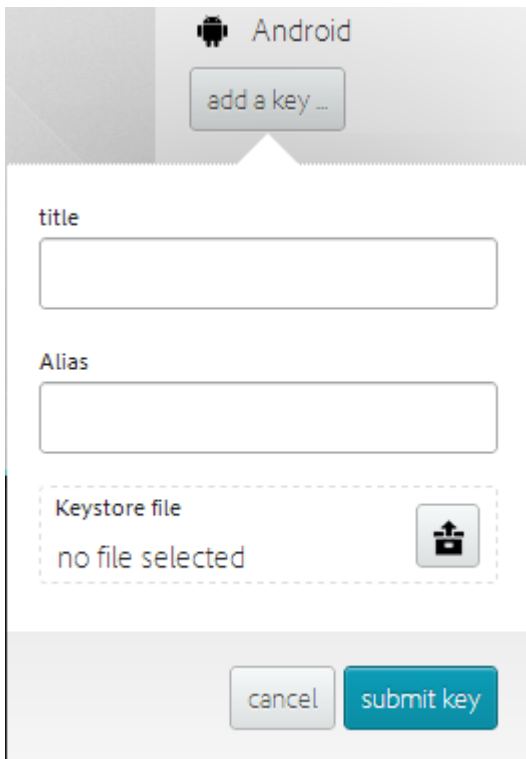
```

Submitting your key to Build

Go to your Account > Edit Setting > Signing Key's tab.



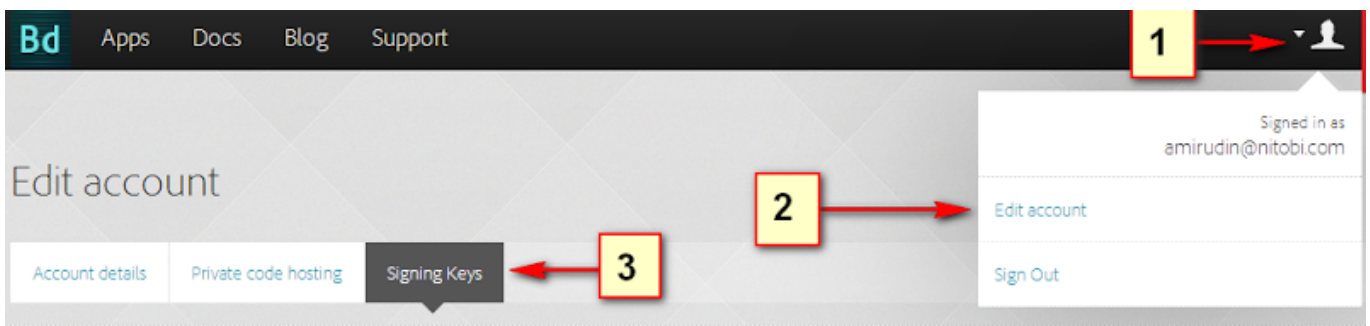
Click 'add a key...', ensuring you use the same alias used when you generated your key.



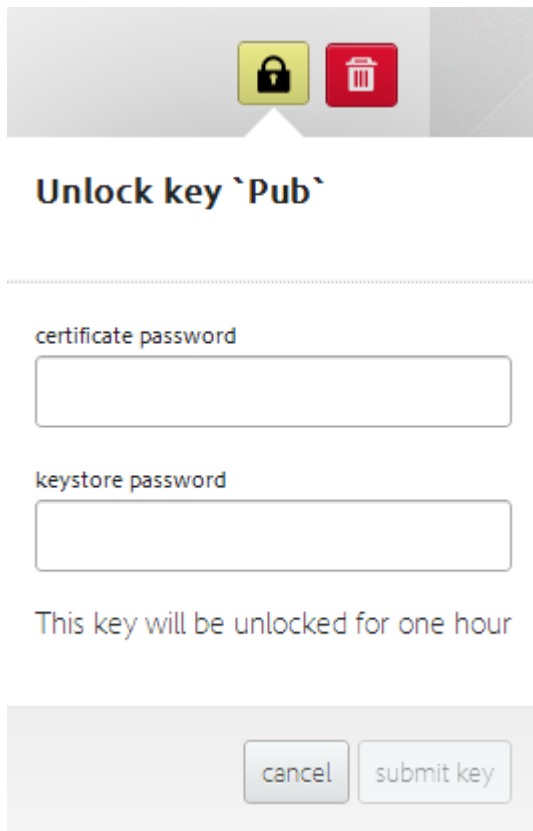
The screenshot shows a dialog box titled "Android" with an Android icon. At the top is a button labeled "add a key ...". Below this are three input fields: "title", "Alias", and "Keystore file". The "Keystore file" field shows "no file selected" and a file selection icon. At the bottom are two buttons: "cancel" and "submit key".

Unlocking your key

Go to your Account > Edit Setting > Signing Key's tab:



Click unlock button and supply the the certificate password (from step #6 above) and the keystore password (from step #4 above)



Unlock key `Pub`

certificate password

keystore password

This key will be unlocked for one hour

cancel submit key

Lastly, either set your key to be default using the checkbox in the keys list, or in your individual application's details, select the key you've uploaded and unlocked.

[More info](#)

[Edit this page on GitHub](#)

Looking for more help?

If you're having issues that aren't solved here, be sure to check out the following:

PHONEGAP FORUM

PhoneGap/Cordova community forum to use
for finding info and posting issues.

[GO TO THE FORUM](#)

STACKOVERFLOW

For PhoneGap specific questions.

[GET THE ANSWERS](#)

MEETUP.COM

Consider finding (or starting) a local
Cordova/PhoneGap meetup group.

[SEE WHAT'S HAPPENING](#)

→ GET STARTED NOW

Find out how to install PhoneGap, then create and preview an app on your device — almost as fast as a robot could do it.

→ READ OUR BLOG

Have you read our latest blog post yet? If not, go now... there is solid gold in that post.

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