

PGP/GPG Key

Generate:

```
gpg2 --full-gen-key
```

Adding to KEYS files:

```
svn co https://dist.apache.org/repos/dist/release/lucene release-lucene
(gpg2 --list-sigs "Ishan Chattopadhyaya" && gpg2 --armor --export "Ishan Chattopadhyaya")
>> release-lucene/KEYS
(gpg2 --list-sigs "Ishan Chattopadhyaya" && gpg2 --armor --export "Ishan Chattopadhyaya")
>> release-lucene/java/KEYS
(gpg2 --list-sigs "Ishan Chattopadhyaya" && gpg2 --armor --export "Ishan Chattopadhyaya")
>> release-lucene/solr/KEYS
```

Note: This page says the generation job is run once daily: <https://home.apache.org/keys/>
More info on that page

Signing someone's key:

```
[ishan@x260 lucene-solr] $ gpg2 --recv-key 1ED139E7 && gpg --sign-key 1ED139E7 &&
gpg --send-key 1ED139E7
```

Note: If you're using gpg2 on Linux, it is better to make gpg point to gpg2.

```
# cp /usr/bin/gpg /usr/bin/oldgpg
```

```
# ln -s /usr/bin/gpg2 /usr/bin/gpg
```

Produce Release Notes

- * You need separate accounts for the Lucene and Solr wikis! Both would need edit access (need to be added to Contributors group).
- * At the time of creating the first RC, clone over the pages but omit the dates with XXXs.
- * Wiki has a bug that camel case words are interpreted as links. Use exclamation mark before the camelCased word, or use triple curly braces.

Update Version Numbers in the Source Code

- "Sanity check the DOAP files under dev-tools/doap/: do they contain all releases less than the one in progress?" ← If not, then copy over from the stable/unstable branches. If they don't have those details either, create them manually.

Add New JIRA Versions

- You need administrative access on JIRA. I asked @ctargett for this access.

- (Maybe ReleaseTODO needs improved language around this?) If there has been a point release recently for an older release (5.5.4)...

Building the Release Artifacts

- On a multi-core machine, you might want to build the artifacts by running the tests with more than 4 jvms. Create the following file:

```
[ishan@ryzen-gigabyte lucene-solr] $ cat ~/lucene.build.properties
tests.jvms=14
tests.jvms.override=14
```

- Keep in mind that the --sign parameter for buildAndPushRelease.py should be the last 8 characters of your fingerprint.
- For Linux, I got errors (observed in /tmp/release.log):
gpg: signing failed: Inappropriate ioctl for device
Solution (do this **before** the build step):
\$ export GPG_TTY=\$(tty)
Now, wait till the artifact signing step, it will prompt for password.
<https://github.com/keybase/keybase-issues/issues/1712>

Announcing emails

I used CryptUp for sending GPG signed mail to announce@apache.org.