

7003 IcCard Manual

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1. Document version

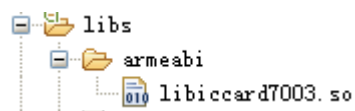
Data	version	author	audit	note
2016-6-1	1.0	chen	edasion	First version
2016-6-27	1.1	chen	edasion	add build development environment of android studio
2017-3-09	1.2	chen	edasion	To support more iccard

2. Build development environment

2.1 Eclipse

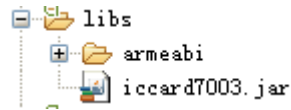
2.1.1 Load dynamic library

In your Android Project, In the libs folder to create a armeabi folder,put libiccard7003.so in,as shown in the figure.



2.1.2 Load jar file

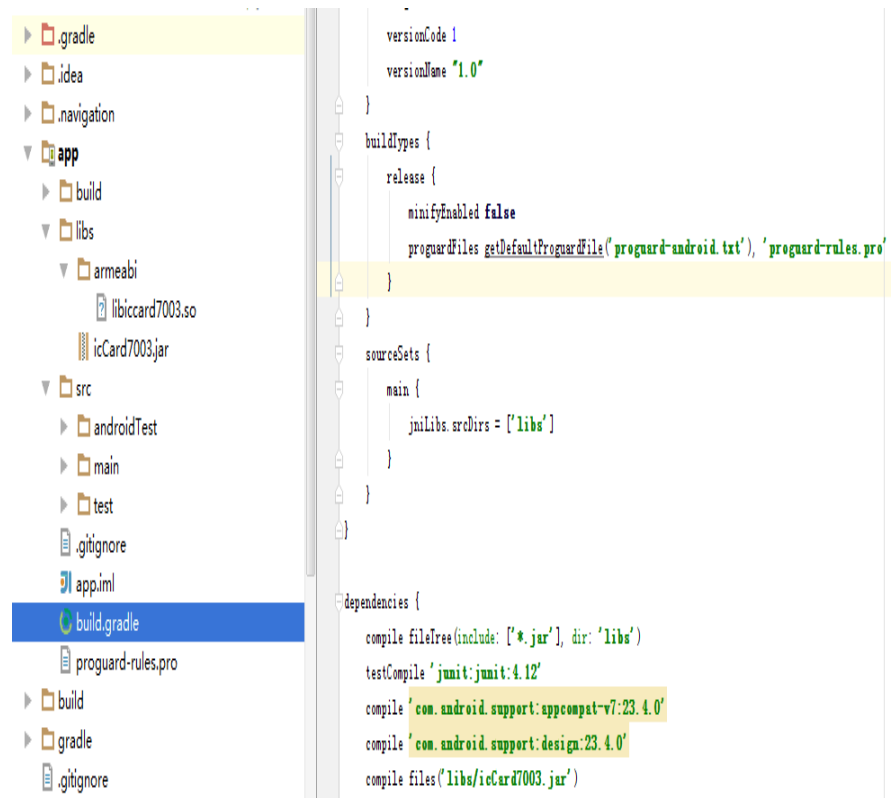
Put iccard7003.jar into the libs, as shown in the figure.



2.2 Android_studio

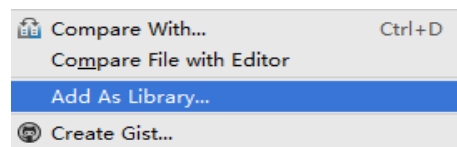
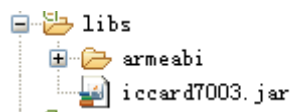
2.2.1 Load dynamic library

In your Android Project, In the libs folder to create a armeabi folder, put libiccard7003.so in, and in build.gradle file add sourceSets { main {jniLibs.srcDirs=['libs']} }, as shown in the figure.



2.2.2 Load jar file

Put iccard7003.jar into the libs, in iccard7003.jar right click the mouse and Select menu -> add as library jar file,as shown in the figure.



3. Use IcCard

3.1 Create IcCard

```
IcCard iccard = new IcCard ();
```

3.2 Open IcCard

iccard.open(); if this operation is successful,you can read data from iccard by APDU command.you must do 4 step.

Step1: seek iccard,if seek successful,you can continue next setp.

Step2: activate iccard,if activate successful,you can continue next step.

Step3: exeApdu command,you can Interact with the iccard.

Step4: move iccard,or you can not read next iccard.

3.3 Close iccard

One thing is very important,if you no longer use the iccard,you must call iccard.close() to close iccard,or it will consume electricity and reduced life.

4. iccard interface function

4.1 Function list

In iccard7003.jar,it provides some function interface to you use iccard,refer to following table:

no	name	description
1	open	Open iccard
2	close	Close iccard
3	getVersion	Get version
4	seek	To seek whether there is iccard
5	activate	Activate iccard
6	exeAPDU	Execute the APDU command
7	move	Move iccard

4.2 function description

4.2.1 open

function:

```
public int open();
```

description:

Open iccard

In parameter:

no

out parameter:

no

return value:

-1: fail

0: success

4.2.2 clsoe

function:

```
public int close();
```

description:

Close iccard.

in parameter:

no

out parameter:

no

return value:

-1: fail

0: success

4.2.3 getVersion

function:

static public String getVersion()

description:

Get version of this SDK,note: this

function is static

in parameter:

no

out parameter:

no

return value:

String: SDK version

4.2.4 seek

function:

```
public int seek ();
```

description:

seek iccard.

in parameter:

no

out parameter:

no

return value:

0: success

-1: fail

-2: time out

4.2.5 activate

function:

```
public int activate ();
```

description:

activate iccard.

in parameter:

no

out parameter:

no

return value:

0: success

-1: fail

-2: time out

4.2.6 exeAPDU

function:

```
public int    exeAPDU(byte[] in_dat,  
                      int in_dat_len ,  
                      byte [] out_dat);
```

description:

Execute the APDU command

in parameter:

in_dat : APDU command data

in_dat_len: APDU command length

out parameter:

out_dat: iccard back data

return value:

>0: the length of iccard back data

-1: fail

-2: time out

4.2.7 move

function:

```
public int move ();
```

description:

move iccard.

in parameter:

no

out parameter:

no

return value:

0: success

-1: fail

-2: time out