[How to pick pdf file from document , store it in SQLite and again open it from SQLite?](https://stackoverflow.com/questions/50189642/how-to-pick-pdf-file-from-document-store-it-in-sqlite-and-again-open-it-from-s)

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I want to pick .pdf file from mobile internal storage , save this file in sqlite as blob type. When i click on 'View' button then retrieve it from database and open it in pdf supported application.

Here i used this code for pick file

Intent intent = new Intent(Intent.ACTION\_GET\_CONTENT);

intent.setType("application/pdf");

intent.addCategory(Intent.CATEGORY\_OPENABLE);

startActivityForResult(intent, 100);

code of onActivityResult

Uri fileuri = data.getData();

Log.d(TAG, "Document File Uri = " + fileuri);

ByteArrayOutputStream baos = new ByteArrayOutputStream();

FileInputStream fis;

try

{

fis = new FileInputStream(new File(fileuri.getPath()));

byte[] buf = new byte[1024];

int n;

while (-1 != (n = fis.read(buf)))

baos.write(buf, 0, n);

} catch (Exception e) {

e.printStackTrace();

}

byte[] byteFile = baos.toByteArray();

then this byteFile saved into database as a blob type. Now how can i retrieve and open it. Please help me

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asked May 5 '18 at 12:49

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1 Answer

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1

code of onActivityResult

A Uri is not a file. Only if the scheme of the Uri is file does your code work. Replace your FileInputStream with an InputStream, where you get that InputStream from getContentResolver().openInputStream(data.getData()).

Also:

* Your app will crash a lot, as you will not have enough memory to hold the PDF
* Saving large files in BLOB columns is an anti-pattern in Android, as the SQLite APIs that we use do not handle large contents very well
* The user will not be happy with you, as you are doing this disk I/O on the main application thread, causing the UI of your app to freeze while that I/O is being performed

Now how can i retrieve and open it

Reverse the process:

* Get the byte[] from the database
* Save that byte[] to a file
* Use ACTION\_VIEW and FileProvider.getUriForFile() to open the file in the user's chosen PDF viewer

Once again:

* Your app will crash a lot, due to running out of memory trying to load in a large BLOB
* Do the I/O on a background thread, so as not to freeze the UI
* Storing large BLOB values is an anti-pattern in Android

I strongly recommend that you not store the PDF as a BLOB in a database. Either:

* Use ACTION\_OPEN\_DOCUMENT and takePersistableUriPermission() instead of ACTION\_GET\_CONTENT, and save the Uri in the database, or
* Copy the PDF to a file, and store some identifier of the file in the database

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answered May 5 '18 at 12:55

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* thanks for the answer, if i save Uri in database , when i delete original file from storage then how it will be open – [Jayashri](https://stackoverflow.com/users/8551332/jayashri" \o "21 reputation)[May 5 '18 at 13:15](https://stackoverflow.com/questions/50189642/how-to-pick-pdf-file-from-document-store-it-in-sqlite-and-again-open-it-from-s#comment87396484_50189684)
* @Jayashri: That will not work. If this is an "import" operation -- where you want your own independent copy of the content, separate from the original -- you would need to make a copy. Though I recommend that you make that copy as a file, not a BLOB. Saving the Uri is faster than making a copy of the data, and it allows the user to edit that content through other tools, but it does run the risk of the user deleting the content identified by the Uri. – [CommonsWare](https://stackoverflow.com/users/115145/commonsware" \o "871,806 reputation) [May 5 '18 at 13:30](https://stackoverflow.com/questions/50189642/how-to-pick-pdf-file-from-document-store-it-in-sqlite-and-again-open-it-from-s#comment87396747_50189684)