

Notizen	

Outline University of Freiburg			UNI FREBURG
1 Content Providers			
2 Calendar			· •
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Content Providers University of Freburg	BURG
	N.S.
Mostly used to share data between applications _[2] .	

■ Provide mechanisms to define data security.

Mostly used to share data between applications _[2] .	
Many predefined Content Providers available, for example to	
access phone contacts.	

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 Access of data through 	sh content URI.		
•	CONTENT_URI to access ti	ne phone	
		× (2) (2) 2	
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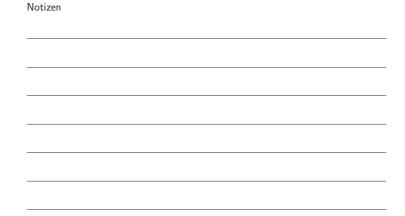
```
Content Providers
Example: Usage of a Content Provider
```



```
String[] proj = new String[] {People._ID,
    People.NAME, People.NUMBER};
People.NAME, People.NUMBER};
try {
   Cursor c = managedQuery(People.CONTENT_URI,
        proj, null, null, null);
   if (c == null) return;
   int name = c.getColumnIndexOrThrow(People.
        NAME);
   if (!c.moveToFirst()) return;
   String nameString = c.getString(name);
   ...
```



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Calendar



- To access the built-in calendar the Android manifest has to be extended[?]:
- <uses-permission android:name="android.</pre> permission . READ_CALENDAR"> </uses-permission>
- \blacksquare Data can be accessed through a Content Provider and a Cursor.
- The Content Provider for the calender has the following URI:
- 1 content://calendar/calendars



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Data Model University of Freiburg		NO
		N.W.
	Calendars	
	Events, CALENDAR_ID	
	Events	
	Attendees, EVENT_ID Reminders, EVENT_ID Instances, EVENT_ID	
	Attendees Reminders Instances	1



http://developer.android.com/guide/topics/providers/ Calendar-provider.html Calendar-provider Administration (American Components 2 23. November 2015 6 / 8

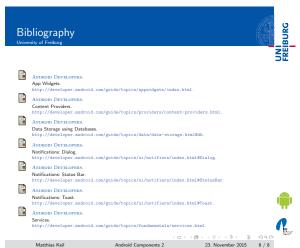
Calendar Provider

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- CalendarContract. Calendars:
 Calender specific informations.
- CalendarContract.Events:
 Event specific informations. Connected by CALENDER_ID.
- CalendarContract.Instances:
 Start and end time for each occurrence. Connected by EVENT.ID.
- CalendarContract.Attendees:
 Event attendee information. Connected by EVENT_ID.
- CalendarContract.Reminders:
 Notification data. Connected by EVENT_ID.



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