

Notizen		

Outline University of Freiburg			UNI FRE BURG
Content Providers			
2 Calendar			
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Content Providers University of Freburg	BURG
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■ Mostly used to share data between applications <sub>[2]</sub> .	

- Many predefined Content Providers available, for example to access phone contacts.
- Provide mechanisms to define data security.
- Access of data through content URI.
  - Example: people.CONTENT\_URI to access the phone contacts.

■ Prov	ide mechanisms t	o define data se	curity.			
	ess of data throug Example: people. Contacts.		access th	e phone		
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Content Providers

Example: Usage of a Content Provider
```







## Calendar

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■ To access the built-in calendar the Android manifest has to be extended<sub>[?]</sub>:

```
1 <uses-permission android:name="android.
    permission.READ_CALENDAR">
2 </uses-permission>
```

- Data can be accessed through a Content Provider and a Cursor.
- $\blacksquare$  The Content Provider for the calender has the following URI:

1 content://calendar/calendars



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Calendar Provider



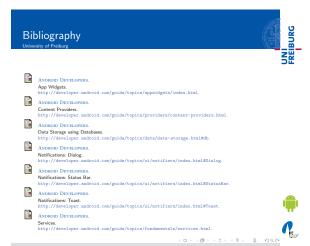
- CalendarContract. Calendars:
   Calender specific informations.
- CalendarContract.Events:
   Event specific informations. Connected by CALENDER\_ID.
- CalendarContract.Instances:
   Start and end time for each occurrence. Connected by EVENT\_ID.
- CalendarContract.Attendees:
   Event attendee information.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

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