

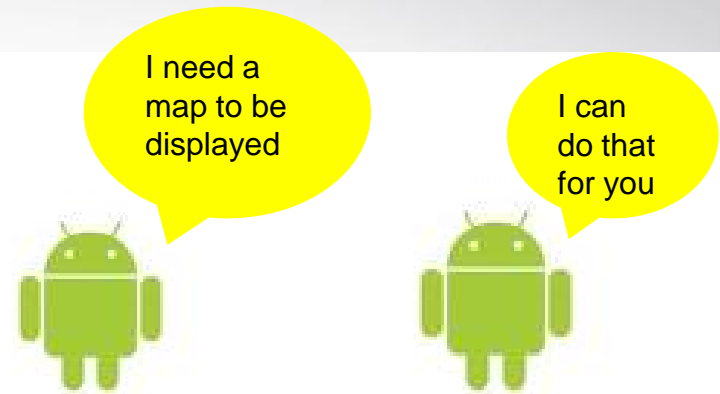
# NAVIGON MobileNavigator for Android

How to hand over a location using “public intent”

Würzburg  
March 14<sup>nd</sup>  
2010



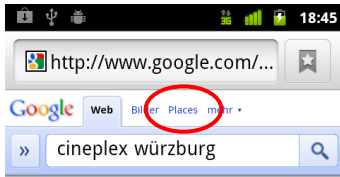
# What is a public Intent?



- On Android, applications can communicate with each other using so-called public intents.
- With this approach, the calling application does not necessarily have to know the targeting application, it just calls out to the system, what it wants to do.
- Examples are: I want to display a map, I want to display an image or to play a MP3 file.
- The Android system then checks for installed applications that can handle this intent.
- The Android system gives the user a choice to choose from a list of suitable applications.
- The user can define to always handle certain intents with one of the listed applications

# Example: Search result from Google:

1. Enter search query



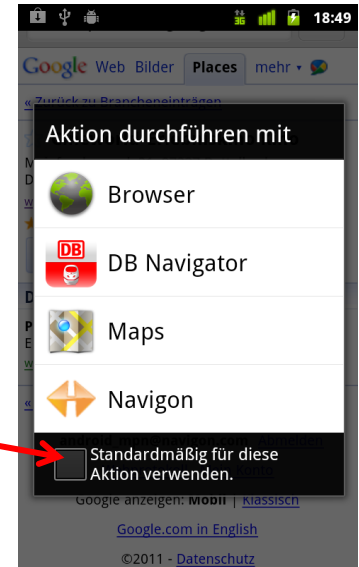
2. Click on „Places“



3. Click on „Karte“

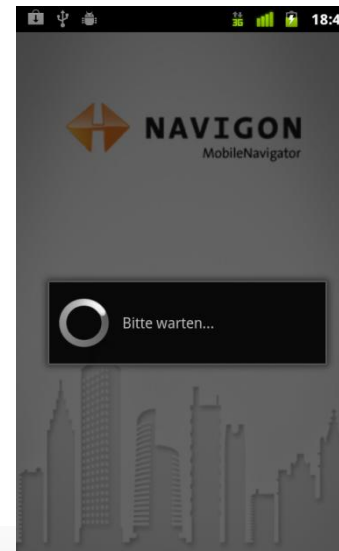


4. You get a choice of suitable applications to display the map



Tip: Check here to always use this application

5. MobileNavigator will take over and directly use the address as a destination



# How to call this Intent from your application

Intent action:

```
<action android:name="android.intent.action.navigon.START_PUBLIC" />
```

Intent extras:

1. Location coordinates.

```
String INTENT_EXTRA_KEY_LATITUDE = "latitude";
```

```
String INTENT_EXTRA_KEY_LONGITUDE = "longitude";
```

Long/Lat are float values in decimal degree format (+-DDD.DDDDD).

Example:

```
Intent intent = new Intent(INTENT_ACTION_START_MN);
```

```
intent.putExtra(INTENT_EXTRA_KEY_LATITUDE, 46.12345f);
```

```
intent.putExtra(INTENT_EXTRA_KEY_LONGITUDE, 23.12345f);
```

2. Free text address.

```
String INTENT_EXTRA_KEY_FREE_TEXT_ADDRESS = "free_text_address";
```

Example:

```
Intent intent = new Intent(INTENT_ACTION_START_MN);
```

```
intent.putExtra(INTENT_EXTRA_KEY_FREE_TEXT_ADDRESS, "Semmelstrasse 33,  
Wuerzburg");
```

Thank You!



**NAVIGON**