

Routing service

Basic information

Since version 3.2.0, Locus Map offers possibility to implement own add-on that will supply complete routing for Locus Map navigation. The method is based on the [Service](#) and communication with Locus works thanks to [AIDL interface](#).

It sounds complicated but best is to check an existing Locus add-on for [Offline navigation](#).

How to

To add your own routing service to Locus, you need to

- Install Locus API in your IDE and add dependency to your new/existing project. More in [Locus API Installation](#).
- Create *MyRoutingService* extends [ComputeTrackService](#).
- Register *MyRoutingService* in *AndroidManifest.xml* file

```
<service android:name=".MyRoutingService"
    android:label="My routing" >
    <intent-filter>
        <action android:name="locus.api.android.
            ACTION_COMPUTE_TRACK_PROVIDER"/>
    </intent-filter>
</service>
```

- That's all. Locus Map will find your service thanks to defined *action* parameter and add it to the list of available routing engines. Right below the *MapQuest*, *Yours* and others.

Possibilities

RoutingService allows direct integration into Locus. Thanks to AIDL users won't be aware that they use independent add-on.

What is possible

- Basic information - name, attribution
- Ability to call "Settings" activity directly from Locus Map
- Ability to compute track between requested points and return full track back to Locus with all navigation orders and required information for full voice navigation.

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