

# DISTANCE BETWEEN 2 POINTS - OPEN ROUTE SERVICE

Documentation official: [Link](#)

Installation:

1. Download the folder from [github](#)

2. Download the map: <http://download.geofabrik.de/north-america/us/florida.html>,

and put the file into docker/data folder.

3. Edit the Docker-compose file, and uncomment this line: #- ./your\_osm.pbf:/ors-core/data/osm\_file.pbf, replace the your\_osm.pbf text for you map file name.

4. Up docker file

```
cd docker && docker-compose up
```

Example:

Url: localhost:8080/ors/v2/directions/driving-car

Method: "POST"

Body:

```
{
  "coordinates": [
    [ -80.14318074343575, 26.110925047785056 ],
    [ -80.19519698187013, 25.804692476588016 ]
  ],
  "radiuses": 1000000000
}
```

Output:

```
{
  "routes": [
    {
      "summary": {
        "distance": 39738.2,
        "duration": 2115.9
      },
      "segments": [
        {
          "distance": 39738.2,
          "duration": 2115.9,
          "steps": [
            {
              "distance": 308.0,
              "duration": 20.2,
              "type": 11,
              "instruction": "Head south on South Andrews Avenue",
              "name": "South Andrews Avenue",
              "way_points": [
                0,

```

```

        6
    ]
},
{
    "distance": 70.4,
    "duration": 10.1,
    "type": 5,
    "instruction": "Turn slight right onto South Andrews Avenue",
    "name": "South Andrews Avenue",
    "way_points": [
        6,
        8
    ]
},
{
    "distance": 769.8,
    "duration": 59.4,
    "type": 1,
    "instruction": "Turn right onto Davie Boulevard, FL 736",
    "name": "Davie Boulevard, FL 736",
    "way_points": [
        8,
        23
    ]
},
{
    "distance": 1263.8,
    "duration": 165.4,
    "type": 5,
    "instruction": "Turn slight right onto Davie Boulevard, FL 736",
    "name": "Davie Boulevard, FL 736",
    "way_points": [
        23,
        48
    ]
},
{
    "distance": 26.1,
    "duration": 6.3,
    "type": 13,
    "instruction": "Keep right onto Davie Boulevard, FL 736",
    "name": "Davie Boulevard, FL 736",
    "way_points": [
        48,
        49
    ]
},
{
    "distance": 536.4,
    "duration": 68.1,
    "type": 12,
    "instruction": "Keep left onto Davie Boulevard, FL 736",
    "name": "Davie Boulevard, FL 736",
    "way_points": [
        49,
        59
    ]
},
{
    "distance": 162.5,
    "duration": 24.2,
    "type": 0,
    "instruction": "Turn left",
    "name": "-",
    "way_points": [
        59,
        62
    ]
},

```

```

{
  "distance": 1220.2,
  "duration": 58.1,
  "type": 12,
  "instruction": "Keep left",
  "name": "-",
  "way_points": [
    62,
    69
  ]
},
{
  "distance": 5284.6,
  "duration": 200.3,
  "type": 12,
  "instruction": "Keep left onto I 95",
  "name": "I 95",
  "way_points": [
    69,
    114
  ]
},
{
  "distance": 13140.7,
  "duration": 568.4,
  "type": 12,
  "instruction": "Keep left",
  "name": "-",
  "way_points": [
    114,
    207
  ]
},
{
  "distance": 4152.5,
  "duration": 248.8,
  "type": 13,
  "instruction": "Keep right",
  "name": "-",
  "way_points": [
    207,
    262
  ]
},
{
  "distance": 10427.2,
  "duration": 461.2,
  "type": 13,
  "instruction": "Keep right onto I 95",
  "name": "I 95",
  "way_points": [
    262,
    366
  ]
},
{
  "distance": 164.5,
  "duration": 13.2,
  "type": 13,
  "instruction": "Keep right",
  "name": "-",
  "way_points": [
    366,
    368
  ]
},
{
  "distance": 1114.7,

```

```

        "duration": 108.2,
        "type": 12,
        "instruction": "Keep left",
        "name": "-",
        "way_points": [
            368,
            394
        ]
    },
    {
        "distance": 366.6,
        "duration": 48.7,
        "type": 13,
        "instruction": "Keep right",
        "name": "-",
        "way_points": [
            394,
            401
        ]
    },
    {
        "distance": 730.2,
        "duration": 55.4,
        "type": 1,
        "instruction": "Turn right onto North Miami Avenue",
        "name": "North Miami Avenue",
        "way_points": [
            401,
            416
        ]
    },
    {
        "distance": 0.0,
        "duration": 0.0,
        "type": 10,
        "instruction": "Arrive at North Miami Avenue, on the right",
        "name": "-",
        "way_points": [
            416,
            416
        ]
    }
}

}

}

},
"bbox": [
    -80.211264,
    25.804693,
    -80.143024,
    26.110929
],
"geometry": "ixj~Cp}chNj@Cx@CRAdEAtCErACZL~AA@zD@|@?`AFbAB~A?`CB|DAV?`B?pA@P?p@epCB~D@`CIZ?
v@@j@HZBjB@j@@zD@X@jA@`A@tA@x@@fABxC@jA@~ADpHDhG@dC?|A?
fA@v@@jD@fBERBB@Bn@ZbDLdAFr@Bh@BfB@fB@dBBvCBdFf@AZF|EBv@AvJHpF?
dBKbJAnQ0tMK`BKfISzFUhDEpFCrEA|KH|JP~@JhFL`HV~BF~B?
dDEjDSfDYdBULASrEaAlHoB`@MfFwAvIsB~FsAvD}@`B_@zCm@bNiCzIcBbB_@pKuBtIaBraU|AwvCWvBMtOg@xAGbHW|CAvDHDt~CRdBLr@dL@Iz'
zLI|EErAAdIGxBGpJi@bHYtGEICA~DE|F@~Wr@zECxE0zDYlQwBtB0rFMdCEtECj_@c@hDEjT|dCC~GChA?
~BFpRjAtDL`FDzFIde@sBpEO`DCbEBnFPvCPjBRjBXRbF@rCdAtC~AvA`AhB~AfAlAhAzAvBpDhVhc@tDhGbBhCfCjDLF|GtBpCfFrGrMhPpAvA`@^
jCStC_@XCfEi@xC]zC[~@G`BIfGS`CCzCE`B?vFGdDCjG@`D@`D@rDBb@?
zDBlA@~I@`EEbF0hD0rCQTAIjAEpBITACzFKxFI`CAdBCrCG`FI`DG`FKnFKzACnFKlLStBG`EAhBEpBAxHNpC@vDEdFGrEIfDGpAAxEgxJQnAEff[
pKM~GEfBCzIIfM0|RS|@AhII~HQbJUvACfGQzAE~@GfCY`ASnDiAnCaA`A]dA[hAU~@Mx@IbCKnHGtB@fA?
xG@~FCdAA~KQdHMTAAAnAA~AAnABVAHZAHLBT~Cf@bBVbBP|AL~AFxDARBCrAcvAArACjDCj@AtSUzIQLACxCJlCJCvELlB?
`@Cb@E|@K`@K`@KneYt@i@b@e@b@i@^m@Zs@Tu@No@DYDWR{BBu@D_HF}@@oBBaH@yB@eYJ{BHGHqBDqBBcB@sA?
y@pAELACvCEnCCvCef@H|@Al@?pAC~@A\\?zCExBcV@Al@A",
    "way_points": [
        0,
        416
    ]
}

```

```

],
"bbox": [
  -80.211264,
  25.804693,
  -80.143024,
  26.110929
],
"metadata": {
  "attribution": "openrouteservice.org, OpenStreetMap contributors",
  "service": "routing",
  "timestamp": 1658233559204,
  "query": {
    "coordinates": [
      [
        -80.14318074343575,
        26.110925047785056
      ],
      [
        -80.19519698187013,
        25.804692476588016
      ]
    ],
    "profile": "driving-car",
    "format": "json",
    "radiuses": [
      1.0E9
    ]
  },
  "engine": {
    "version": "6.7.0",
    "build_date": "2022-07-07T00:41:31Z",
    "graph_date": "2022-07-07T00:50:29Z"
  }
}
}

```

🕒 Revision #3

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✍ Updated Tue, Sep 20, 2022 11:19 AM by Dennis Ayzin