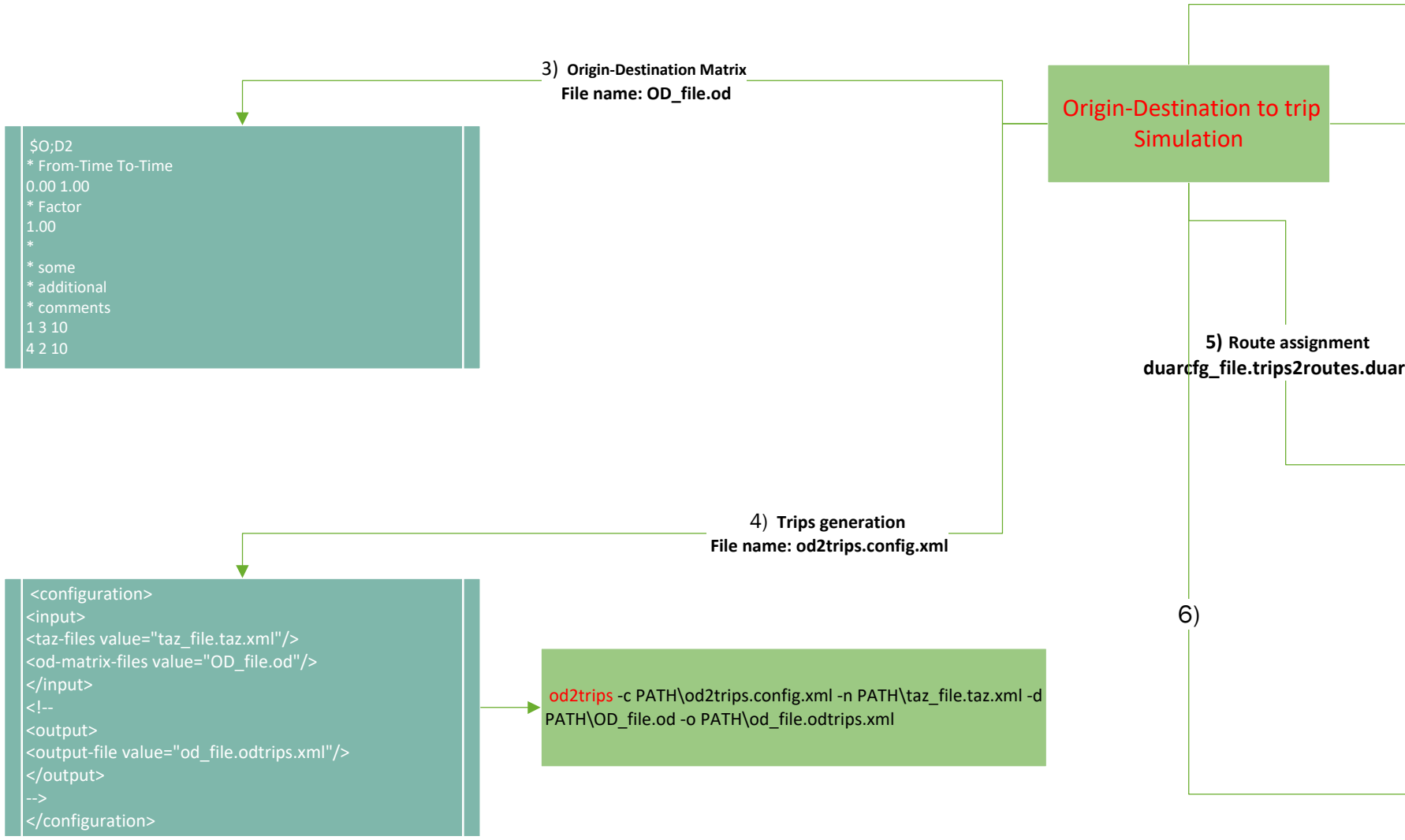
3) Origin-Destination Matrix
File name: OD_file.od
$O;D2
* From-Time To-Time
0.00 1.00
* Factor
1.00
*
* some
* additional
* comments
1 3 10
4 2 10
Origin-Destination to trip Simulation
5) Route assignment
duarcfg_file.trips2routes.duar
6)
4) Trips generation
File name: od2trips.config.xml
<configuration>
<input>
<taz-files value="taz_file.taz.xml"/>
<od-matrix-files value="OD_file.od"/>
</input>
<!--
<output>
<output-file value="od_file.odtrips.xml"/>
</output>
-->
</configuration>
od2trips -c PATH\od2trips.config.xml -n PATH\taz_file.taz.xml -d PATH\OD_file.od -o PATH\od_file.odtrips.xml

1) Make/have the **network file** ready (.net.xml)

trip

2) **Traffic Assignment Zone (TAZ) definition**
File name: TAZ_file.taz.xml

```
<tazs>
<taz id="1" edges="put_your_taz_edge_id_here">
</taz>
<taz id="2" edges="put_your_taz_edge_id_here">
</taz>
<taz id="3" edges="put_your_taz_edge_id_here">
</taz>
<taz id="4" edges="put_your_taz_edge_id_here">
</taz>
<taz id="5" edges="put_your_taz_edge_id_here">
</taz>
</tazs>
```

ssignment
s2routes.duarcfg

```
<configuration>
<!-- The duarouter configuration file takes as input your network and
the OD Trips File and output
the route file -->
<input>
<net-file value="my_net.net.xml"/> <!-- Your SUMO Network File -->
<route-files value="od_file.odtrips.xml"/> <!-- Your SUMO OD Trips
File -->
</input>
<output>
<output-file value="od_route_file.odtrips.rou.xml"/>
</output>
<report>
<xml-validation value="never"/>
<no-step-log value="true"/>
</report>
</configuration>
```

duarouter –c PATH\duarcfg_file.trips2routes.duarcfg

Setup the configuration file and run the simulation

The Sumo
Configuration file
File name:
config_file.sumocfg

```
<configuration>
<input>
<net-file value="my_net.net.xml"/>
<route-files value="od_route_file.odtrips.rou.xml"/>
</input>
<time>
<begin value="0"/>
<end value="2000"/>
</time>
</configuration>
```

sumo -c my_config_file.sumocfg
Or
sumo-gui -c my_config_file.sumocfg