

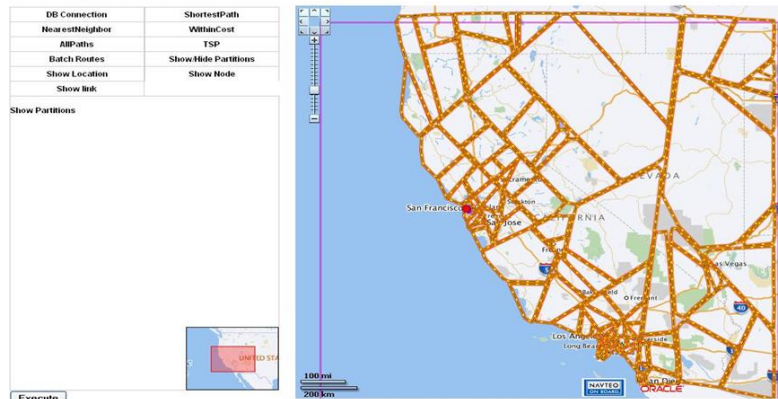
# Network

## Description of the project

Networks are everywhere in daily life: roads, waterways, supplies of gas, electricity and water etc. A network is a model representing the **relationships between different objects**. These objects are defined by **nodes** interconnected by **links**. Static or dynamic costs can be assigned to links and nodes, and the network can be directional or bi-directional. A well-defined network allows for various types of analysis such as **computing the shortest distance between two nodes**, finding the **nodes closest to a given node**, solving the "Travelling Salesman's Problem" etc. OSCARS can help you to implement a well-defined network.

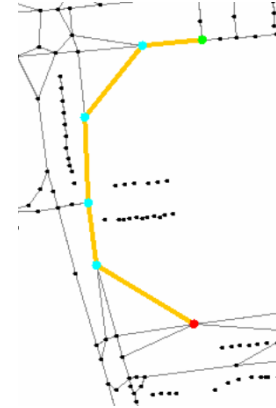
## Illustrations

Oracle Spatial Network Data Model Demo



Source: Training Oracle Spatial Advanced, chap. 6

Part of the network created by OSCARS for Paris Airports



## Technologies and prerequisites

- Oracle Database Enterprise Edition
- Oracle Spatial Option
- Oracle Spatial Network Data Model Editor
- External data (Tomtom ou Nokia) and/or owner's data

## References

Paris Airports

## Kit for implementation of the project

- Trainings: Oracle Spatial Advanced or a custom OSCARS course (1 to 5 days)
- Loading of external data (1 to 3 days if data needs to be cut up)
- Loading of owner's data (5 to 15 days)
- Creation of the network and use with Oracle Spatial Network Data Model Editor (5 to 10 days)

The number of days indicated is for guidance. Each project is different and may require a variable number of days. An estimate is required before the beginning of each project. In addition, this kit enables implementation of the project so that the customer can subsequently carry out the project autonomously. It is not an A to Z assessment of the project.

**OSCARS: Oracle Spatial Consulting And Resourcing Services**

Specialized and innovative company around Oracle Spatial



Specialized  
Oracle Spatial 11g



YOUR ORACLE SPATIAL EXPERT

**OSCARS S.A.**

66, route de Koerich • L-8437 Steinfort  
18A, rue de Han • B-5340 Strud

**www.oscars-sa.eu**