

Car Rental System UML Deployment Diagram

A deployment diagram for car rental system in UML is used to illustrate its' physical architecture. In UML, deployment diagrams can show you how the software and hardware of the learning system work together and where the processing takes place.

The car rental system uses a UML deployment diagram to show how should the developed software be deployed. It clarifies the communications between links(nodes) which helps the project to work according to the design given to it. Deployment diagrams depict the setup of run-time processing nodes and the components that reside on them.

Car Rental System Deployment Diagram Description

Online vehicle rental software allows you to keep precise records of your whole fleet in one location, making day-to-day operations straightforward. Your business would be illegal if you didn't keep proper documents, and no one could audit you. You wouldn't be able to get insurance or anything else.

Customers can hire a vehicle through a car rental web-based system. This technology allows the company to make its services available to the general public via the internet while also keeping track of its performance.

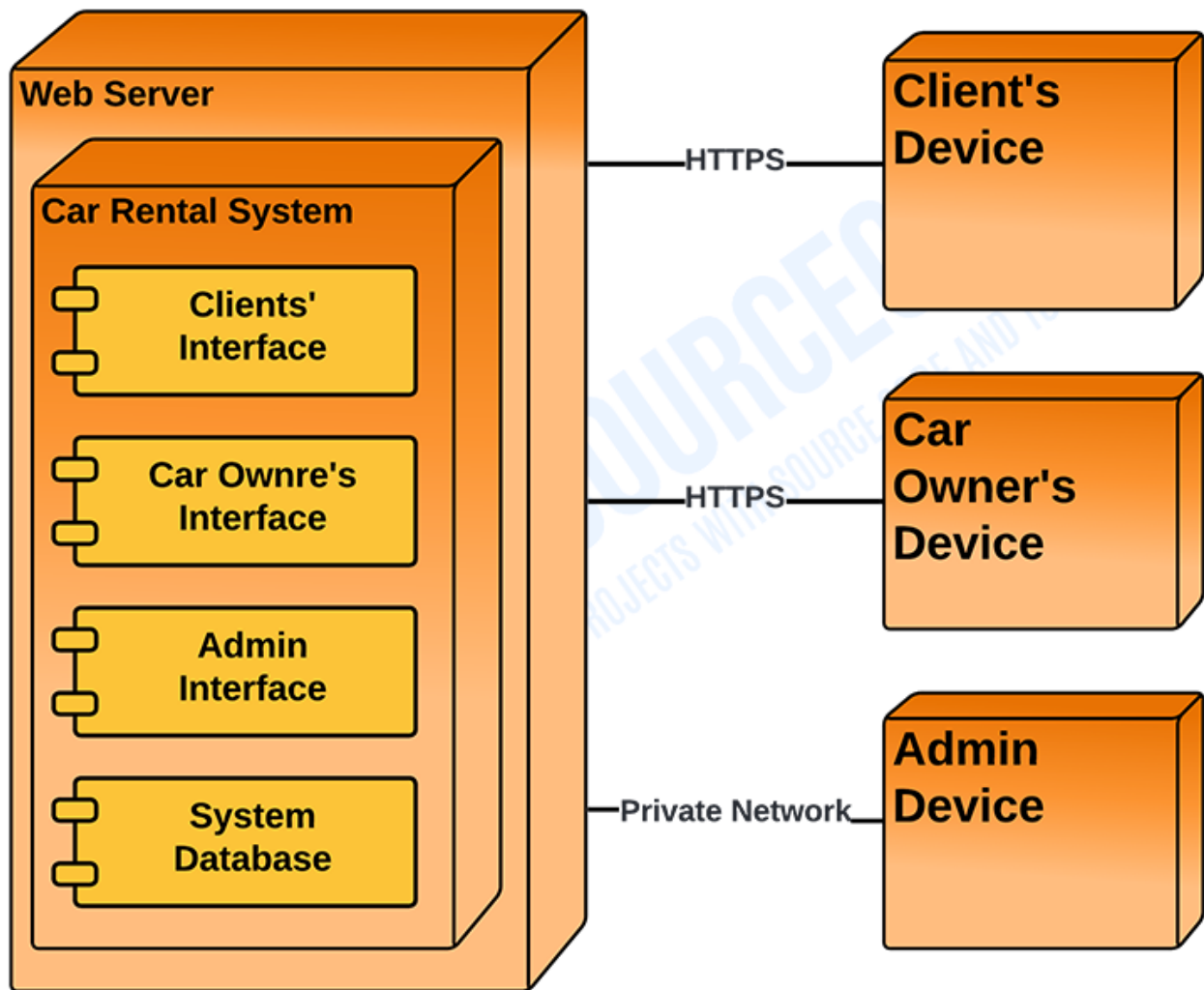
Advantages of Examination System Deployment Diagram

- Portrays the deployment view of the car rental system.
- Helps in visualizing the topological view of the car rental system.
- Models the physical architecture of the rental system.
- Shows the relationships between the software and hardware components in the car rental system.
- Shows the physical distribution of the system's processing.

Deployment Diagram for Car Rental System

The designed deployment diagram for the examination system shows the components (nodes) included to carry out the process. Nodes are represented by boxes that are labeled as software or hardware that specifies the included components to carry out the car rental process. The boxes will then be connected and labeled to declare the type of connection they have with the other components.

CAR RENTAL SYSTEM



DEPLOYMENT DIAGRAM

UML Deployment Diagram for Car Rental System

A car rental system's goals are to increase transaction security, lower costs, make it more accessible to clients, minimize administrative tasks, and improve data analysis while also producing overall reports for system transparency.

Car Rental System UML Deployment Diagram (Explanation)

The **car rental system UML deployment diagram** explains the sketch of the relationship between software and hardware. These hardware and software are labeled to clarify their part in the system's operation. They were represented by nodes and the connections were represented by labeled lines.

The deployment diagram shows the scenario when the system is deployed. It has 5 nodes represented with boxes and relationship connections. The nodes are the car rental system, the webserver (system server), the admin's device, the client's device, and the car owner's device. The system car rental system node contains a developed database and other component that will hold the details of the system online.

For the connection, the system is placed within the server, whilst the client and car owner's devices and the server were connected using HTTPS. The admin's device uses a private network which enables it to pass a connection to the devices and enable the admin to access the system and database. The admin and the other users can communicate through the system.