Point of Sale System Deployment Diagram

Point of Sale System Deployment Diagram Description

The [point-of-sale system](#) allows companies and other profiting establishments to collect customer payments and keep track of sales. It looks simply, but depending on whether you sell online, have a storefront, or both, the setup can be complicated.

A [point of sale](#) (also known as a point of purchase) is where customers are billed. When customers check out online, come up to your counter, or pick something up from your stand or booth, they are at the point of sale. The equipment and software that allows your company to make such sales are known as your point-of-sale system.

UML Deployment Diagram for Point of Sales System

A deployment diagram for the point of sale (POS) 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 POS 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.
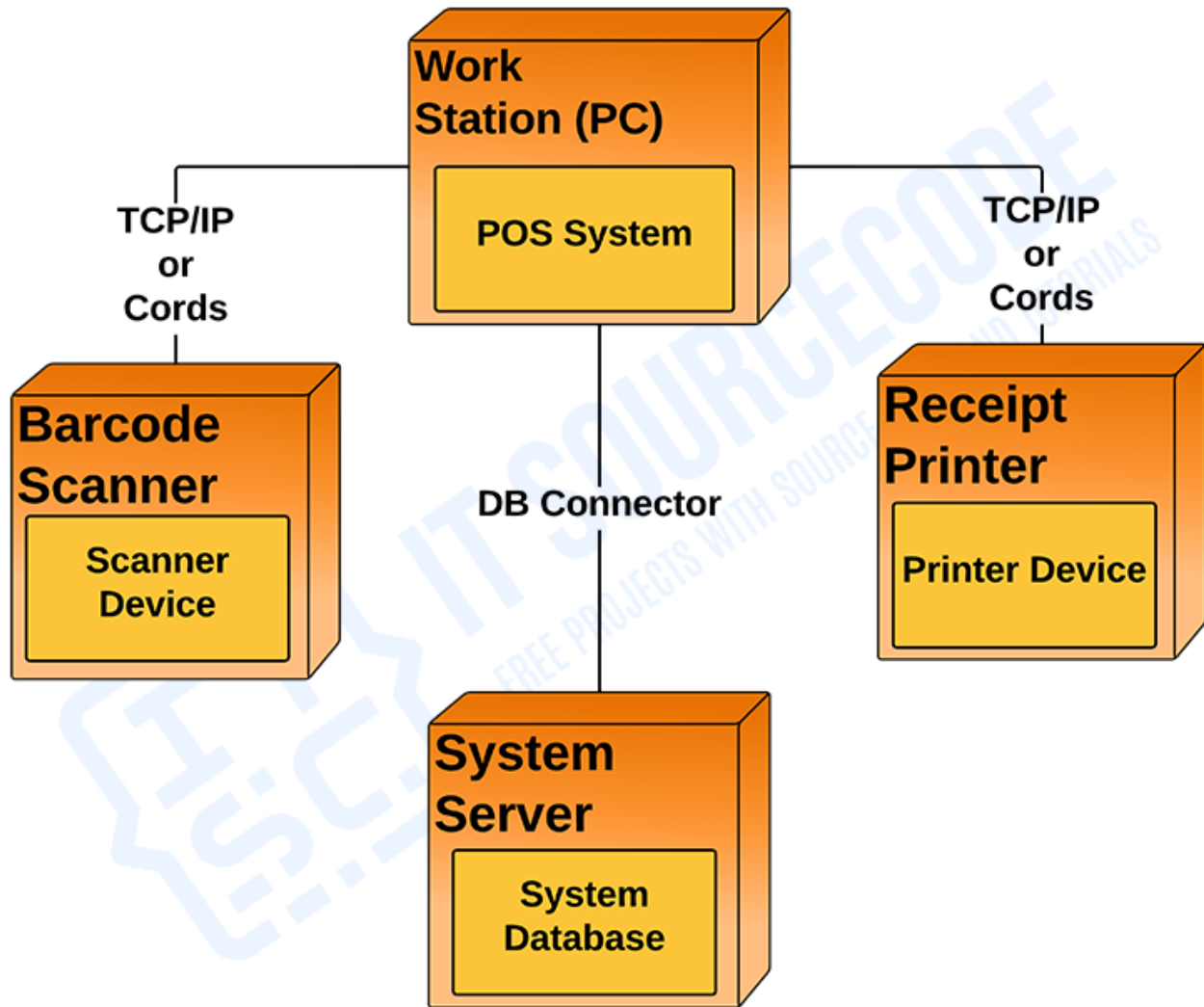
Advantages of POS System Deployment Diagram

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

Deployment Diagram for Point of Sale System

The designed deployment diagram for POS 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 point of sale process. The boxes will then be connected and labeled to declare the type of connection they have with the other components.

POINT OF SALE (POS) SYSTEM

Work Station (PC)

POS System

TCP/IP or Cords

TCP/IP or Cords

Barcode Scanner

Scanner Device

Receipt Printer

Printer Device

DB Connector

System Server

System Database

DEPLOYMENT DIAGRAM

Deployment Diagram of Point of Sale System in UML

With a point-of-sale (POS) system, your company can receive payments from customers and track sales. It sounds straightforward, but the arrangement can work in a variety of ways depending on whether you sell online, have a physical storefront, or both.

Point of Sale System UML Deployment Diagram (Explanation)

The **Point of Sale 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 arrows.

The deployment diagram shows the scenario when the system is deployed. It has 4 nodes represented with boxes and relationship connections. The nodes are the workstation (point of sale system), the system server, the barcode scanner, and the receipt printer. The system server node contains a developed database that will hold the details of the system.

For the connection, the system is connected to the server database using a database connector which enables it to pass a connection to the devices and enable users to access the system's database.