

ATM System Deployment Diagram

ATM System Deployment Diagram Description

Deployment diagrams demonstrate how software and hardware communicate to ensure appropriate ATM system operation. It properly explains how software interacts with hardware. They also help figure out which a certain type of hardware uses software parts.

The main aim of deployment diagrams is to describe how software is delivered into the hardware system. It depicts how software interacts with hardware to perform all of the functions. It's a term that describes how software interacts with hardware and vice versa.

Deployment Diagram for ATM System in UML

A deployment diagram for the ATM system in UML is used to illustrate its' physical architecture. Benefits of UML Deployment Diagram

ATM 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.

Benefits of UML Deployment Diagram

They visualize a system's hardware processors/nodes/devices, communication linkages between them, and software file layout on that hardware.

- It aids in the visualization of the various aspects involved.
- Aids in a more accurate description of all the hardware elements used by software components.
- It clarifies the description of the runtime involved in processing nodes.
- Provides hardware specified details for distributed application.
- Helps in modelling the system's hardware topology.
- It aids in the modeling of inserted or included software.
- Provides more information on the hardware system.
- Reverse engineering is made easier using UML deployment diagram.

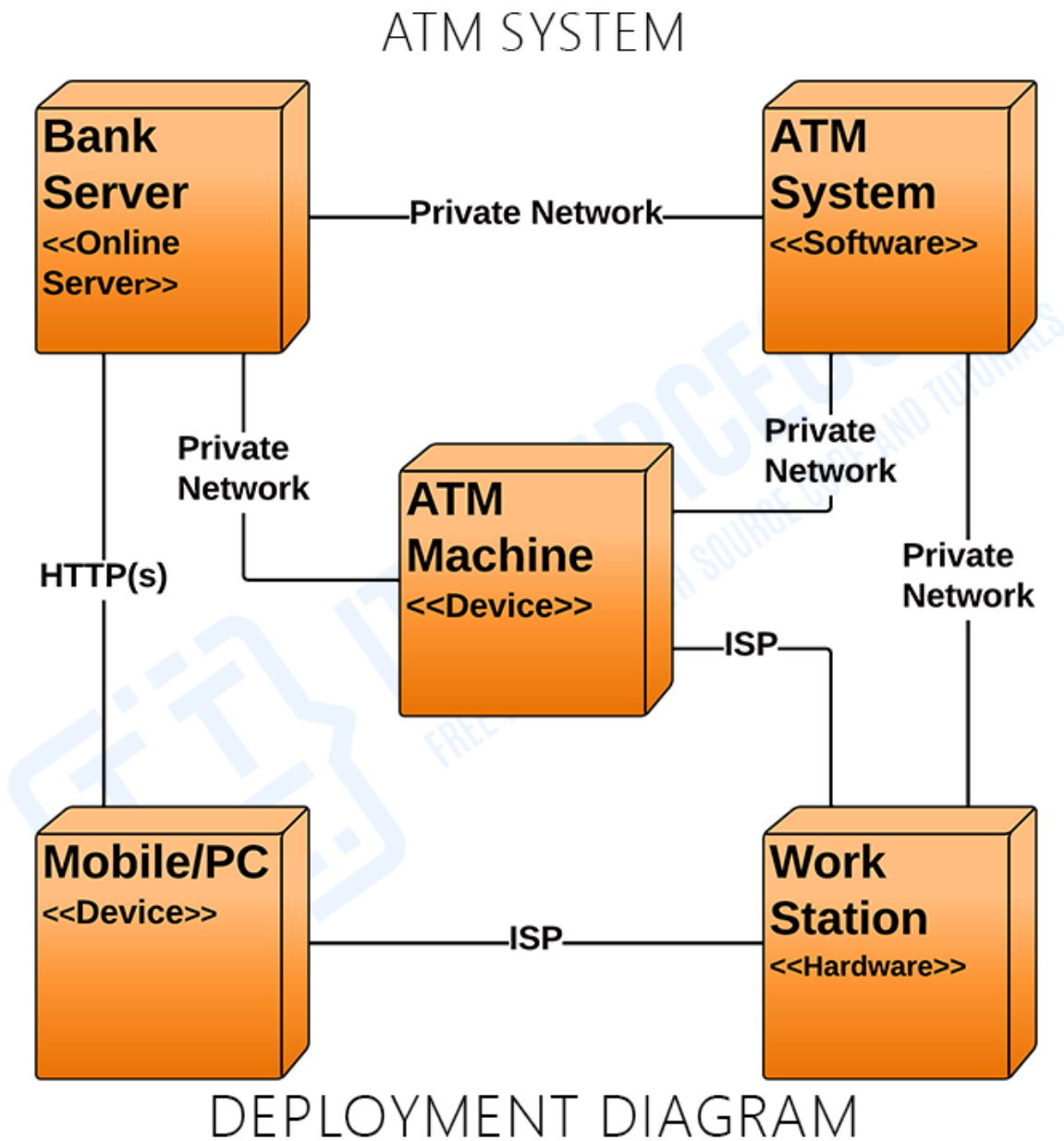
Additional Knowledge

The topology of the physical components of a system, where the software components are installed, is visualized using deployment diagrams. Deployment diagrams are used to depict a system's static deployment view. Nodes and their relationships are depicted in deployment diagrams.

The Deployment Model shows how components will be distributed across the system architecture in detail. It contains information about network capabilities, server specifications, hardware requirements, and other aspects of the planned system's deployment.

Deployment Diagram for ATM System

Here's the Deployment Diagram for ATM System. It shows a detailed illustration of the system's software and hardware specification. Additionally, it gives you the complete physical structure of the ATM system that is needed in its deployment for its users.



Deployment Diagram of ATM System in UML

ATM System UML Deployment Diagram (Explanation)

The ATM system UML deployment diagram explains the sketch of the relationship between software and hardware. The 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 ATM system is deployed. It has 5 nodes represented by boxes and relationship connections. The nodes are the **Bank Server**, **ATM Machine**, **ATM System**, **Mobile/PC**, and the **Work Station**.

For the connection, the software is connected to an ISP that enables it to pass data to the webserver and then will be accessed by the users thru browsers with the use of URLs. Then the workstation can access the software with the use of a private network and they can communicate with users using ISP.