

Online Examination System Deployment Diagram

Online Examination System Deployment Diagram Description

An [online examination system](#) is a computer-based test system used to conduct computer-based tests online. This test method takes less time and money and doesn't need question papers and answer scripts, as well as exam room scheduling, invigilator coordination, and more.

Test tasks such as designing exam patterns with question banks, defining exam timers, objective/ subjective question sections, and administering exams using the computer or mobile devices in a paperless manner can all be simplified by utilizing an [online examination system](#). The UML deployment diagram clarifies the processes and visualizes how they work in the system.

UML Deployment Diagram for Online Examination System

A deployment diagram for examination 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 online examination 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.

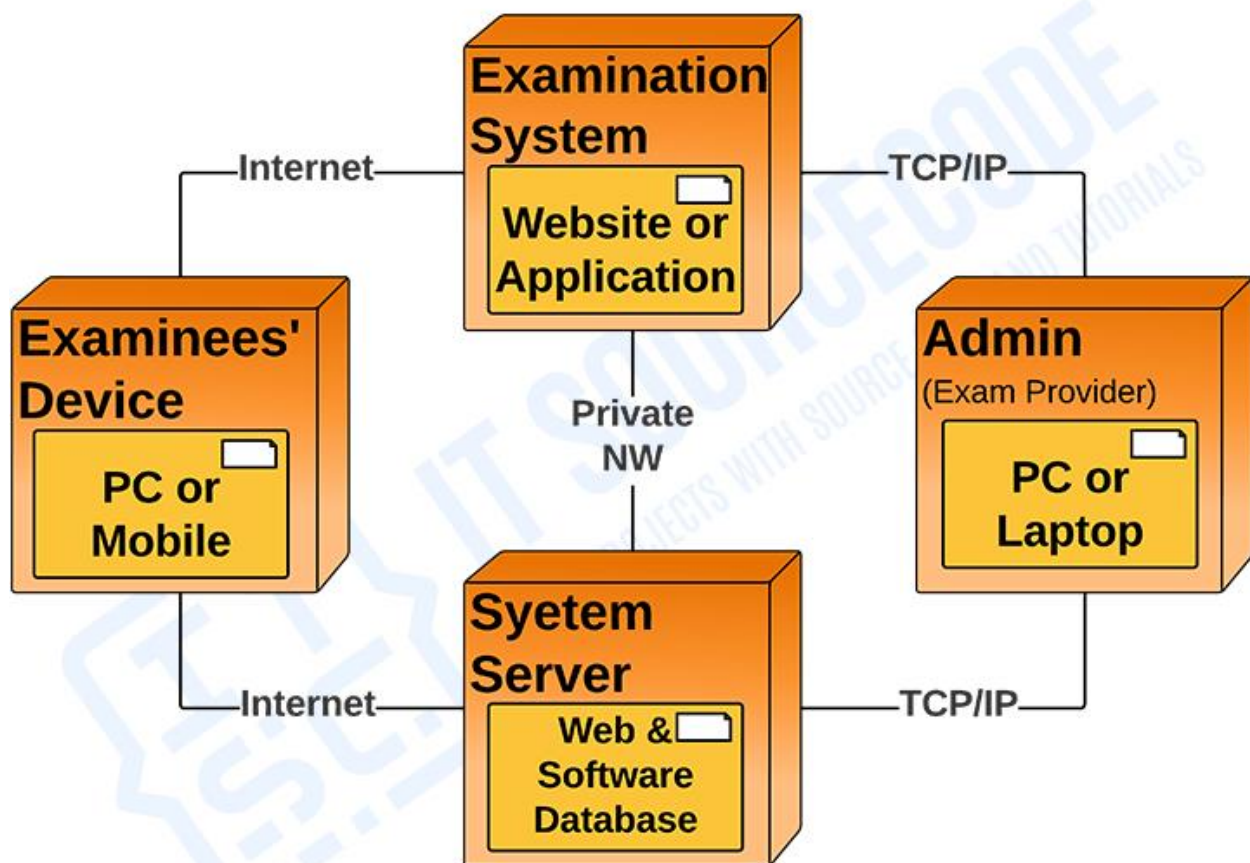
Advantages of Examination System Deployment Diagram

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

Deployment Diagram for Online Examination 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 online examination process. The boxes will then be connected and labeled to declare the type of connection they have with the other components.

ONLINE EXAMINATION SYSTEM



DEPLOYMENT DIAGRAM

Deployment Diagram of Online Examination System in UML

The purpose of the [online examination](#) approach is to evaluate students' knowledge of the subject. In comparison to the traditional pen-and-paper exam, this method has fewer logistical

issues and issues. Candidates taking online tests have a specified amount of time to finish the questions. The test window ends once the exam is completed, and the institutes receive real-time reports.

Online Examination System UML Deployment Diagram (Explanation)

The **online examination 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 online examination system, the examinees' device, the admin's device, and the database (system server). The system server node contains a developed database that will hold the details of the system online.

For the connection, the system is connected to the server database using a private network which enables it to pass a connection to the devices and enable users to access the system and database. The admin and the examinees then can communicate through the system.