De ploy mens plagram Deployment diagrams are used to visualize the topology of the physical components of a system Where the software components are deployed. Deployment diagram are used to describe the Static deployment view of a system. Deployment diagrams consist of nodes and their relationships Purpos of Deployment Diagram. The term Deployment itself describes the Purpose of the diagrams are used you describing the hardware components where software Components are deployed. component d'agrams and deployment d'agrams are crossly related. component diagrams are used to describe the components and deployment diagram shows how very are deployed in hardware.

LOJEWare artefacts of a rystem.

- · However these two diagrams are special diagrams used to yours on software and chardware components.
- Most of the UML diagrams are used to chardled clogic components but deployment diagrams are made to Jocus on the chardware chopology of a system.

Deployment diagram and used by the system engineers.

- · Visualize the hardware dopology of a system
- o Describe the chardware components used to deploy doftware components
- · Describe the ruentime processing nodes

they are deployed in Thereseeve.

ow to Draw a Deployment Diagrams

Deployment diagram represents the deployment view of a system. It is related to the component diagram because the components are deployed using the deployment diagrams.

A deployment diagram consults of nodes. Nodes are nothing but physical hardware wed to deploy the application

Deployment diagrams are useful for system engineers. An efficient deployment diagram is very impostant as it controls the following

Parameters: -

- · performance
- · Scalability
- · maintainability
- · postability

Before drawing a deployment diagram, the following arbefacts thould be identified

- · Nodes
- · Relationships among nodes

Deployment diagram shows all & of the node of network, the connections between them the Process that will run on each one.

Processor: A processor is any martine that
that processor the servers.
workstations and other martines with
Processors are included in this
category. The scheduling field
alocuments the type of process whedeling
used by the processor

The options are

Processos can preempt low Priority Priority Processos can preempt low

Mon Preemptive: - Indicates that the Processes have no Priority. The current process excentes until it is finished, at which time the next process begins

yelic: - indicates that the controls Cycles between the processes each Processes à cois given let amount of time to execute, then control pasted to the next Process. Executive: _ indicates that there is some Lord

of computational algorithm that Controls the reliedering. Endicates that the Processes are Schedulad by uses Processor Connection Device Device! — A device is an maelike or piece of chard were without proceeding powers Devicer include item such a damb derninal Printer or reanners. Connection: — A connection respectents some type of chardwork coupling between two entities An entity is either a proceeder or a device. The hardware coupling can be deret, with as an RS232

Cable, or inderect such as satellite to ground communication.
Connections are usually bi derectional

Deployment Diagram care study

to Provide an idea of the deployment view of order management system.

there, we have shown nodes as

- · Monitor
- · Moderm
- · calling server
- · server.

The application is assumed to be a web based application which is deployed in a relustered environment using server 1 server 2 server 3.

The user connects to the application wing internet The control yrows from the calling serves to the clustered environment

