

Software Architecture

>

Week 1

>

Capstone Assignment 3.2 – Draw a Deployment Diagram

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Assignments

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Peer-graded Assignment: Capstone Assignment 3.2 – Draw a Deployment Diagram

Review by Sep 16, 11:59 PM PDT

Reviews 3 left to complete

Deployment Diagram

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September 11, 2020

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PROMPT

Upload a PDF of your UML Deployment Diagram.

Deployment%20Diagram%20w1.pdf

RUBRIC

Are most of the necessary components present in the deployment? i.e.,

- Web App,
- Mobile App,
- Web Server,
- Application Server, and
- Database

2 pts

Yes, 4 or more components are included in the diagram.

1 pt

Almost, only 3 components are included in the diagram.

0 pts

No, 2 or less components are included in the diagram.

Are most components present in the diagram labelled correctly (i.e., labeled with «component» and the component shape or icon)?

2 pts

Yes, most components in the diagram are labeled correctly.

1 pt

Sort of, only some components in the diagram are labeled correctly.

0 pts

No, none of the components included in the diagram are labeled correctly.

Is there a **WebServer.jar** artifact (or alternatively named artifact) that **manifests** the **Web Server** component?

1 pt

Yes

0 pts

No

Is there a **ApplicationServer.jar** artifact (or alternatively named artifact) that **manifests** the **Application Server** component?

1 pt

Yes

0 pts

No

Is there a **Database.jar** artifact (or alternatively named artifact) that **manifests** the **Database** component?

1 pt

Yes

0 pts

No

Is there a **SharingWebApp.html** artifact (or alternatively named artifact) that **manifests** the **Web App** component?

1 pt

Yes

0 pts

No

Is there a **SharingApp.apk** artifact (or alternatively named artifact) that **manifests** the **Mobile App** component?

1 pt

Yes

0 pts

No

Is there a **SharingAppWebServer.config** artifact (or alternatively named artifact) that is **used** by the **Web Server** component?

- ☒ 1 pt
Yes
- ☐ 0 pts
No

Is there a **SharingAppApplicationServer.jar** artifact (or alternatively named artifact) that is **run** by the **Application Server** component?

- ☒ 1 pt
Yes
- ☐ 0 pts
No

Is there a **Schema.xsd** artifact (or alternatively named artifact) that is **used** by the **Database** component?

- ☒ 1 pt
Yes
- ☐ 0 pts
No

Does the diagram contain a **«device»** node, which contains an **«execution environment»** node, which contains the **Web Server**, **Application Server**, and **Database** components?

- ☒ 2 pts
Yes, the Web Server, Application Server, and Database components are contained in an «execution environment» node, which is in turn contained in a «device» node.
- ☐ 1 pt
Almost, the nesting of the nodes is not quite right, but close, or some of the nodes are missing.
- ☐ 0 pts
No, the «device» node is not included in the diagram.

Does the deployment diagram contain a **«device»** node, which contains an **«os»** node, which contains an **«execution environment»** node, which contains the **Web App** component?

- ☒ 2 pts
Yes, the Web App component is contained in an «execution environment» node, which is in turn contained in a «os» node, which is in turn contained in a «device» node.
- ☐ 1 pt
Almost, the nesting of the nodes is not quite right, but close, or some of the nodes are missing.
- ☐ 0 pts
No, the «device» node is not included in the diagram.

Does the deployment diagram contain a **«device»** node, which contains an **«execution environment»** node, which contains the **Mobile App** component?

- ☒ 2 pts
Yes, the Mobile App component is contained in an «execution environment» node, which is in turn contained in a «device» node.
- ☐ 1 pt
Almost, the nesting of the nodes is not quite right, but close, or some of the nodes are missing.
- ☐ 0 pts
No, the «device» node is not included in the diagram.

Does each **«os»** node in the diagram indicate the **type** of os (i.e. macOS Sierra) below the «os»?

- ☒ 1 pt
Yes, one or more «os» nodes indicate the type of os directly underneath it.
- ☐ 0 pts
No, none of the «os» nodes indicate the type of os directly underneath it.

Does each **«execution environment»** node in the diagram indicate the **type** of execution environment (i.e., Linux Ubuntu 17.4, or Android Marshmallow, or Firefox 54.0.1) below the «execution environment»?

- ☒ 1 pt
Yes, one or more «execution environment» nodes indicate the type of execution environment directly underneath it.
- ☐ 0 pts
No, none of the «execution environment» nodes indicate the type of execution environment directly underneath it.

Does each **«device»** node in the diagram indicate the **type** of device (i.e., Android Phone, or MacBook Pro, or Server) below the «device»?

- ☒ 2 pts
Yes, two or more «device» nodes indicate the type of device directly underneath it.
- ☐ 1 pt
Sort of, at least one «device» node in the diagram

indicate the type of device directly underneath it.

- ☐ 0 pts
No, none of the «device» nodes indicate the type of device directly underneath it.

Are the relationships between the «device» nodes in the deployment diagram correct? The relationship between the «device» node that contains the **Web App** component and «device» node that contains the **Web Server** component is labeled with the protocol «HTTP»?

- ☒ 1 pt
Yes, the relationship between the node that contains the Web App component and the node that contains the Web Server component is labeled with «HTTP».
- ☐ 0 pts
No, the relationship is either not present, or not labeled with «HTTP».

Are the relationships between the «device» nodes in the deployment diagram correct? The relationship between the «device» node that contains the **Mobile App** component and the «device» node that contains the **Web Server** component is labeled with protocol «HTTP»?

- ☒ 1 pt
Yes, the relationship between the «device» node that contains the Mobile App component and the «device» node that contains the Web Server component is labeled with «HTTP».
- ☐ 0 pts
No, the relationship is either not present, or not labeled with «HTTP».

Is the diagram easy to read? i.e. It's not too crowded, nothing is overlapping, labels are clear.

- ☒ 2 pts
Yes, this diagram is very easy to read and is organized.
- ☐ 1 pt
Sort of, this diagram is a bit messy, labels aren't great, or components are overcrowded.
- ☐ 0 pts
No, the diagram is unreadable.

Do you have any suggestions or comments for your peer?

Good



Submit Review

Comments

Comments left for the learner are visible only to that learner and the person who left the comment.



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