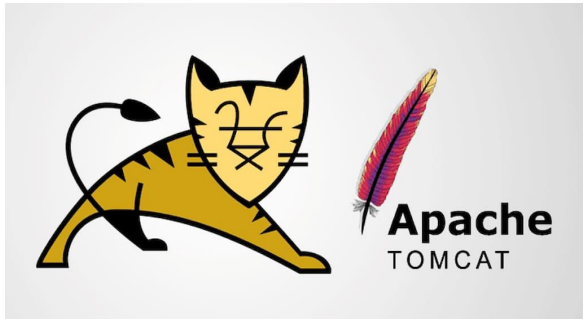
IJSE®

Advance API Development

GDSE - 67

Thanura Silva
Software Engineer

TECH STACK INCLUDES



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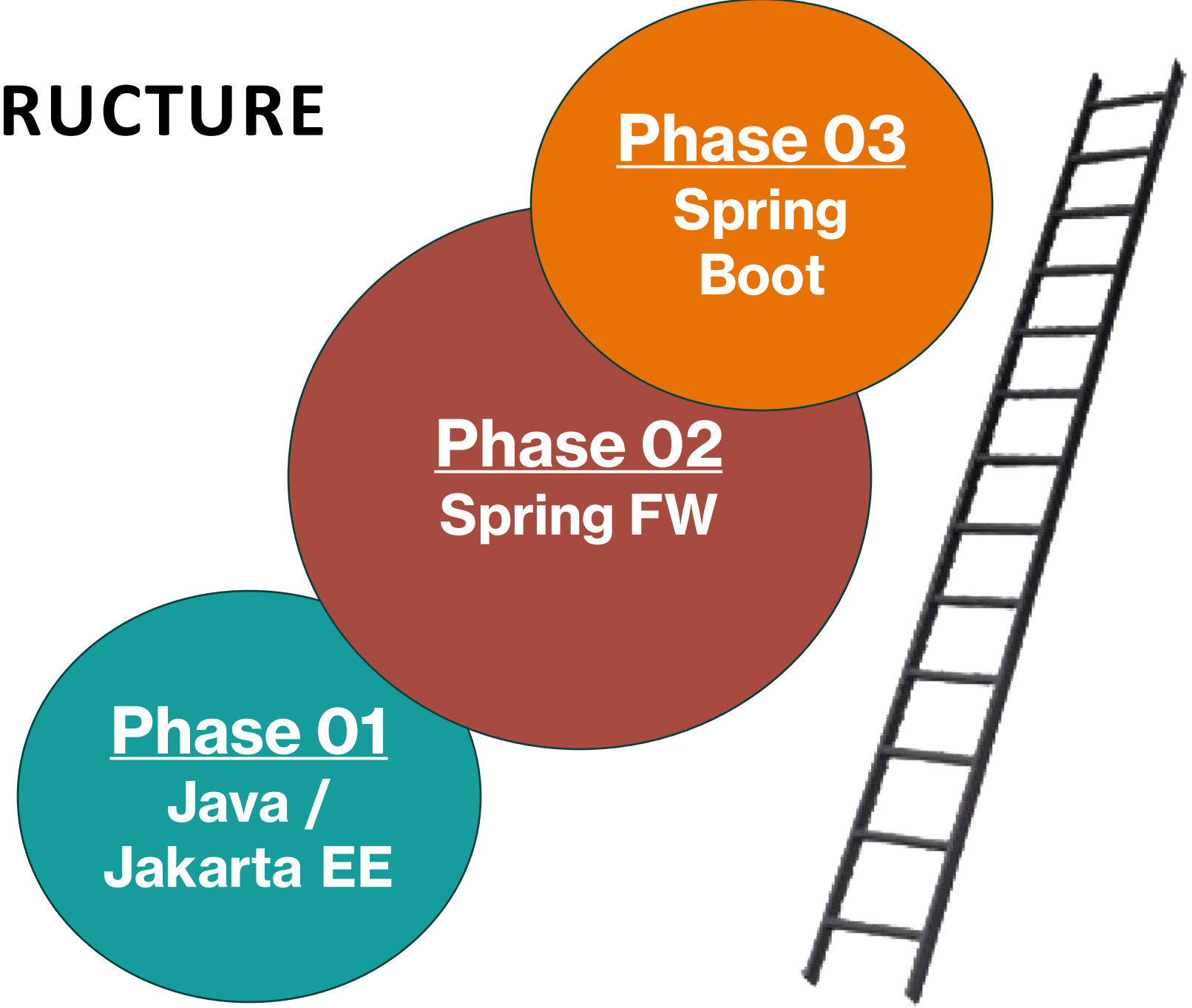
COURSE STRUCTURE



COURSE STRUCTURE

Classroom Test

Presentations

Assignments

Quiz rounds

Final Project

Final Viva voce

What is an API

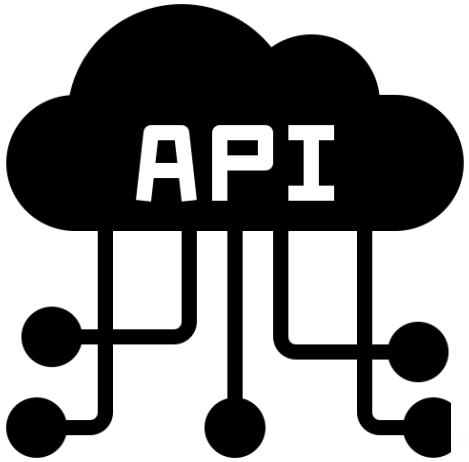
💬 **An application programming interface (API) is a way for two or more computer programs or components to communicate with each other.**

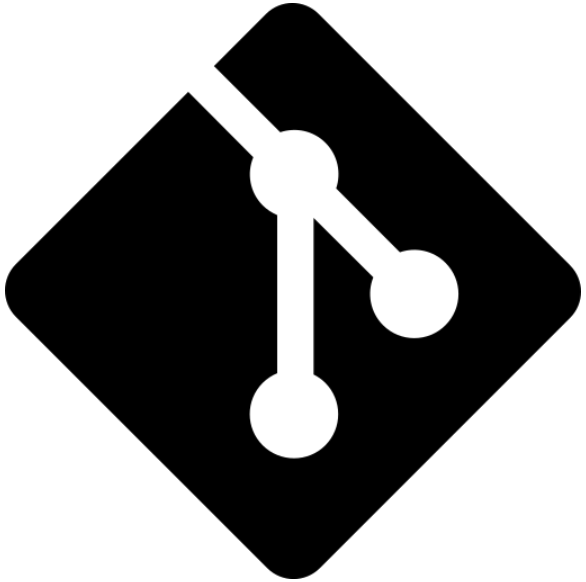
-https://en.wikipedia.org/wiki/API-

BENEFITS OF LEARNING ABOUT AN API

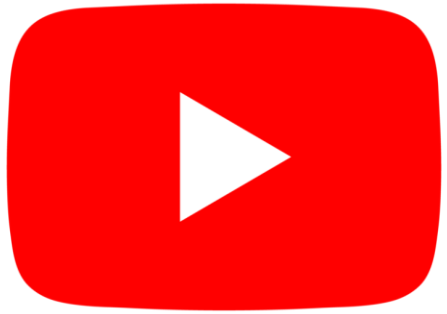
Languages for API Development

API ECO-SYSTEM AND USAGE





CONT. API ECO-SYSTEM AND USAGE



THE SELECTION

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Vs

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Vs

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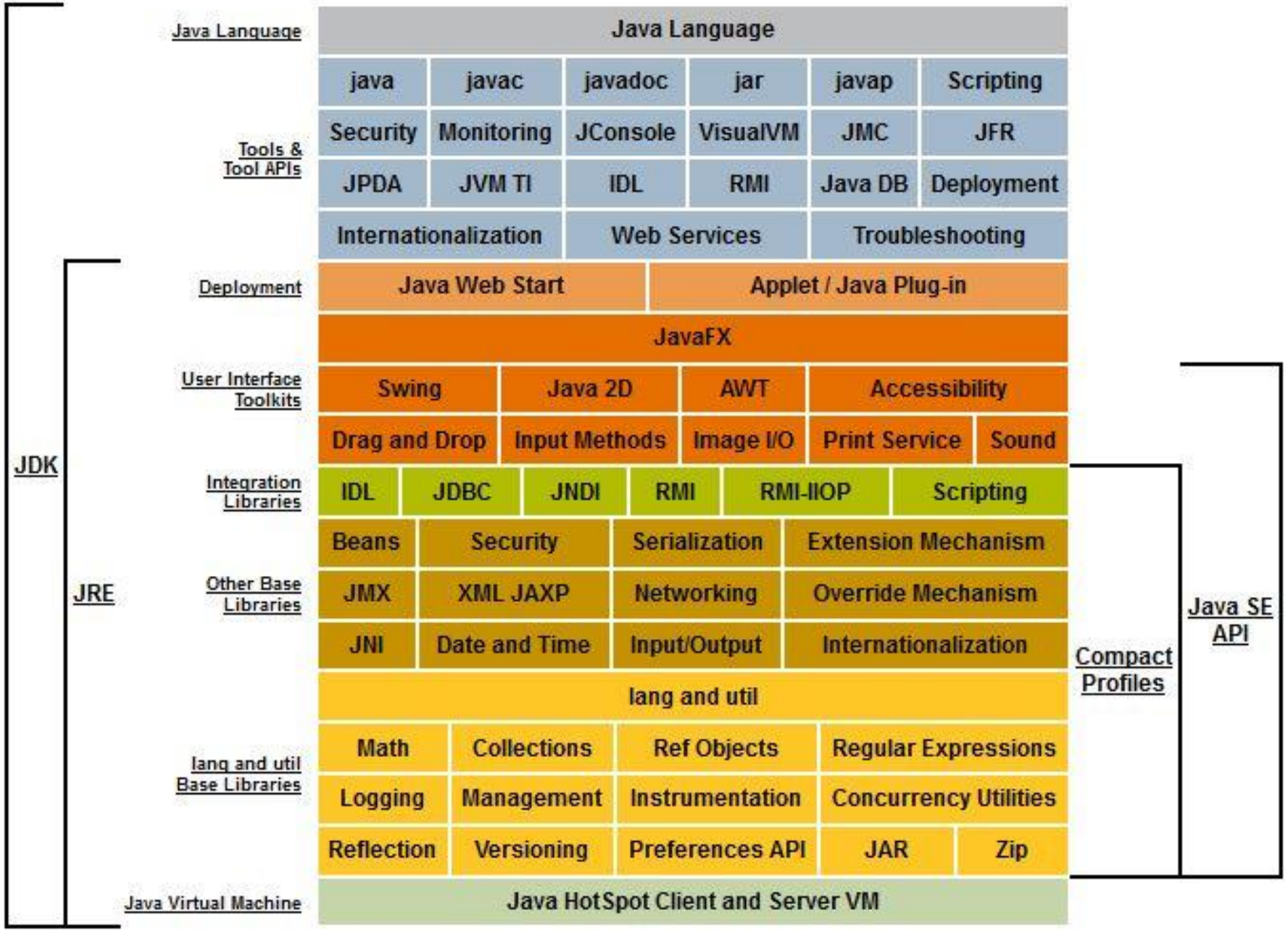

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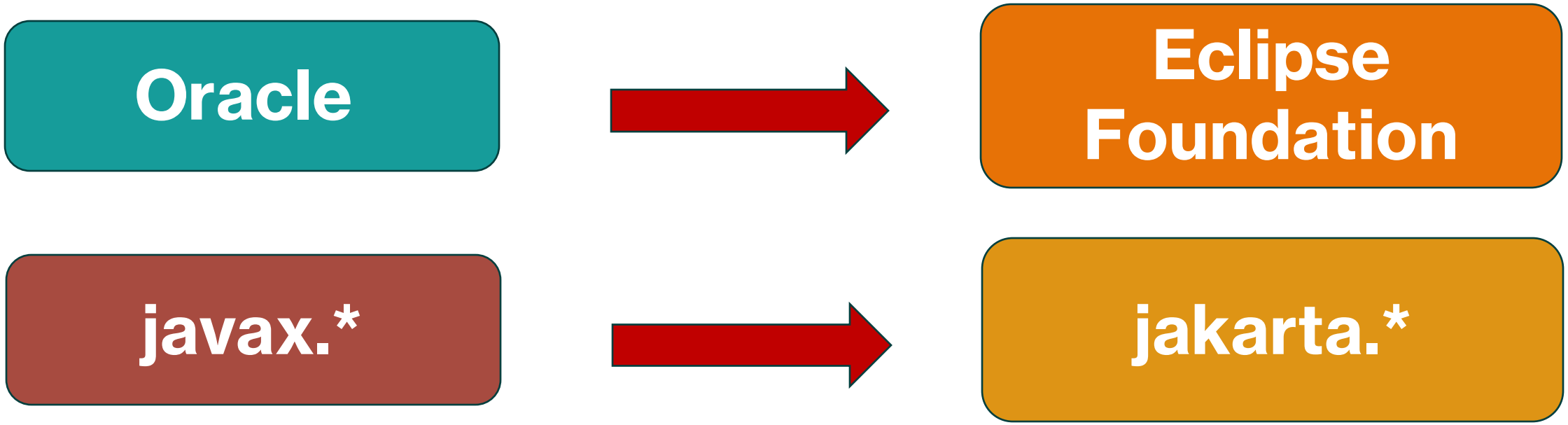
FLAVORS OF JAVA EE/JAKARTHA EE



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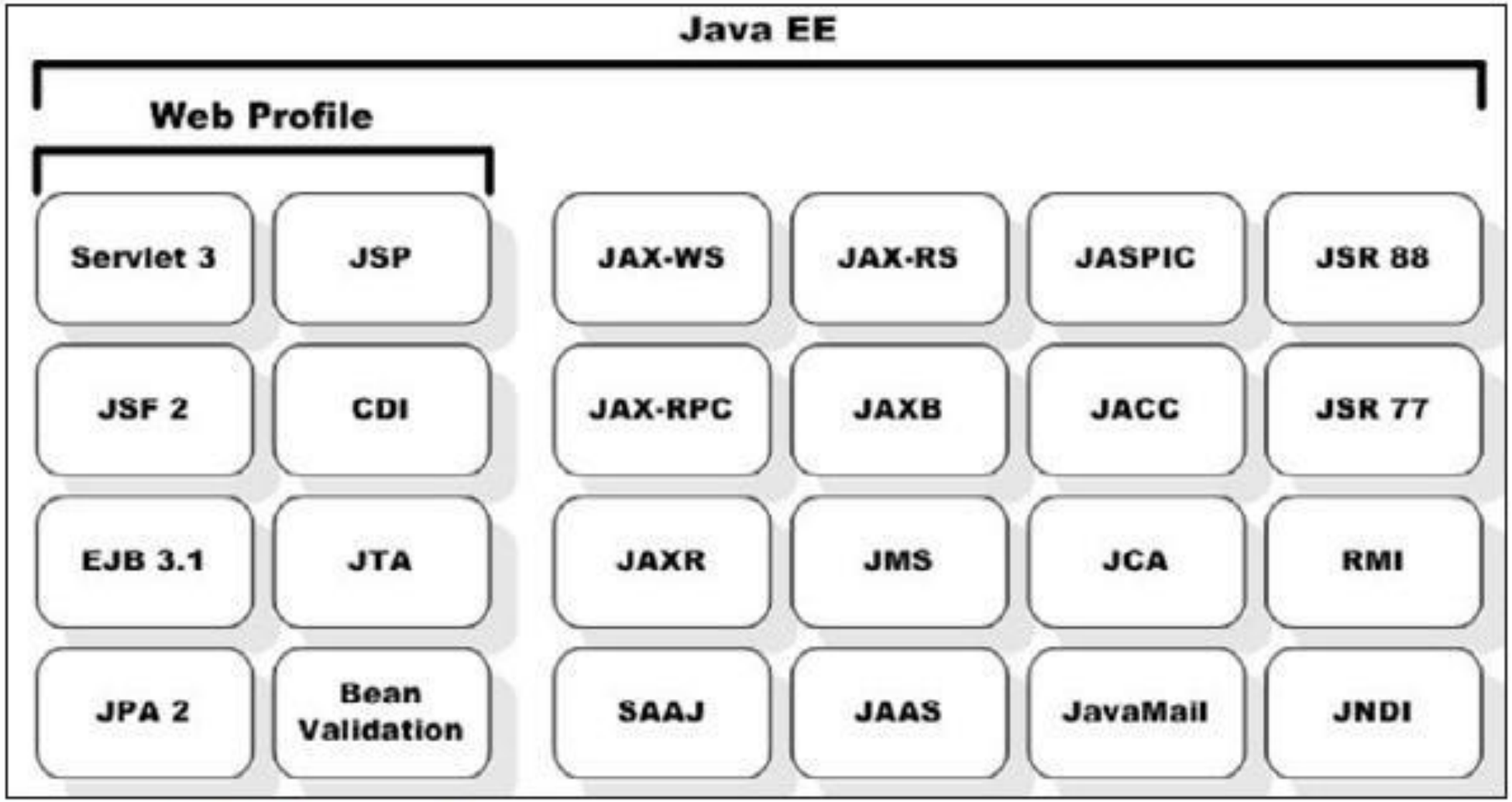

Figure 1: Java EE and the Web Profile

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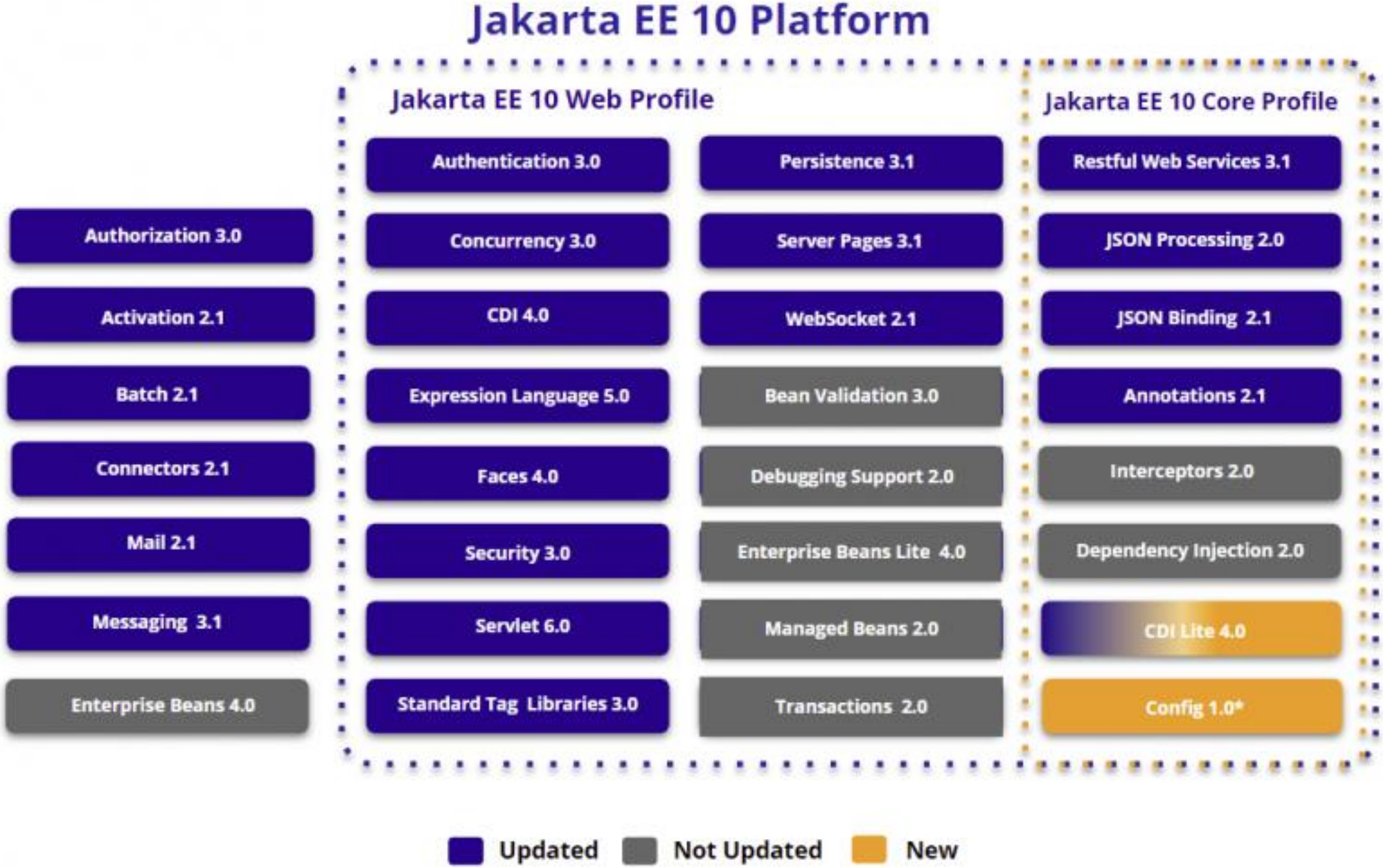
Jakarta EE 10 Platform
Jakarta EE 10 Web Profile
Jakarta EE 10 Core Profile
Authorization 3.0
Activation 2.1
Batch 2.1
Connectors 2.1
Mail 2.1
Messaging 3.1
Enterprise Beans 4.0
Authentication 3.0
Concurrency 3.0
CDI 4.0
Expression Language 5.0
Faces 4.0
Security 3.0
Servlet 6.0
Standard Tag Libraries 3.0
Persistence 3.1
Server Pages 3.1
WebSocket 2.1
Bean Validation 3.0
Debugging Support 2.0
Enterprise Beans Lite 4.0
Managed Beans 2.0
Transactions 2.0
Restful Web Services 3.1
JSON Processing 2.0
JSON Binding 2.1
Annotations 2.1
Interceptors 2.0
Dependency Injection 2.0
CDI Lite 4.0
Config 1.0*
Updated
Not Updated
New

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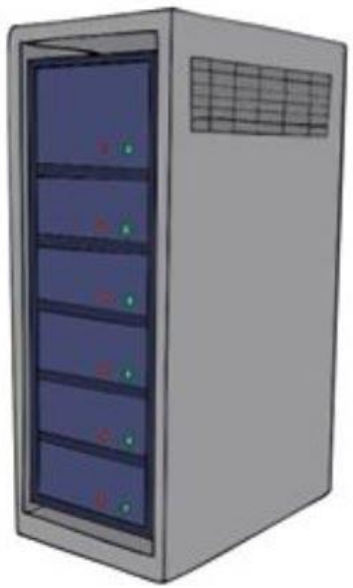
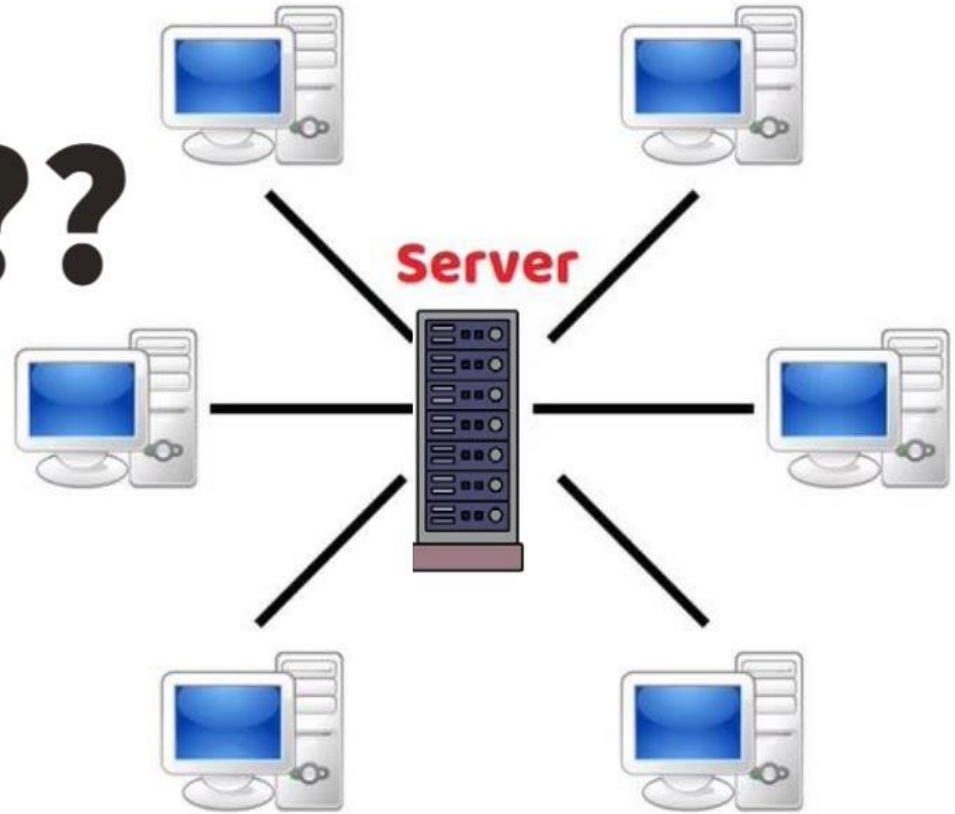
What is a SERVER??





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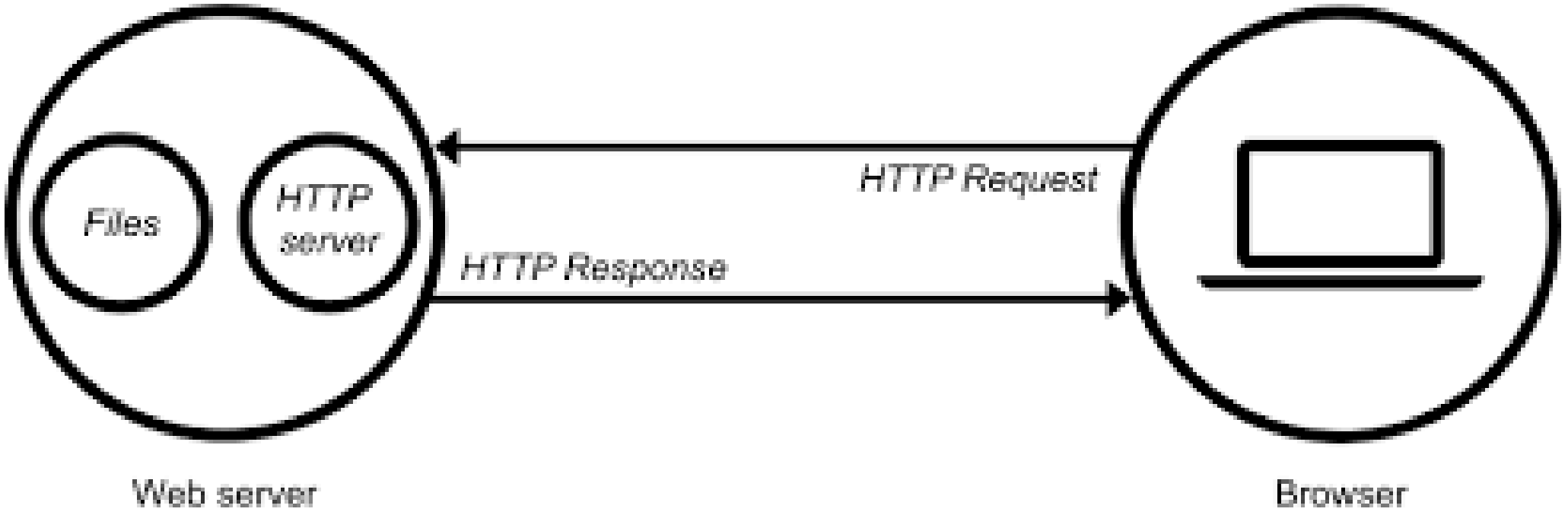
How typical server works



Handling static content

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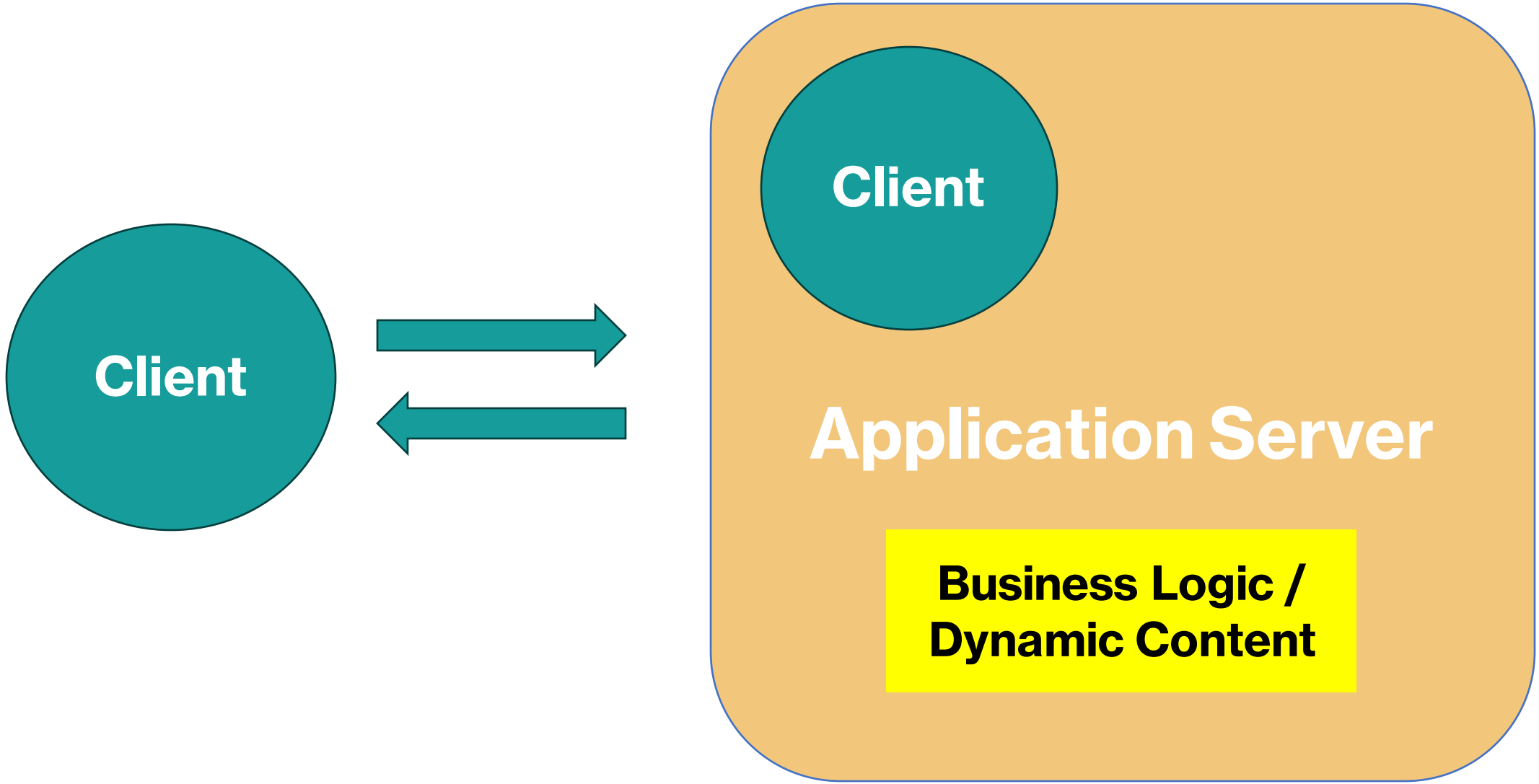
Application Servers

How application server works



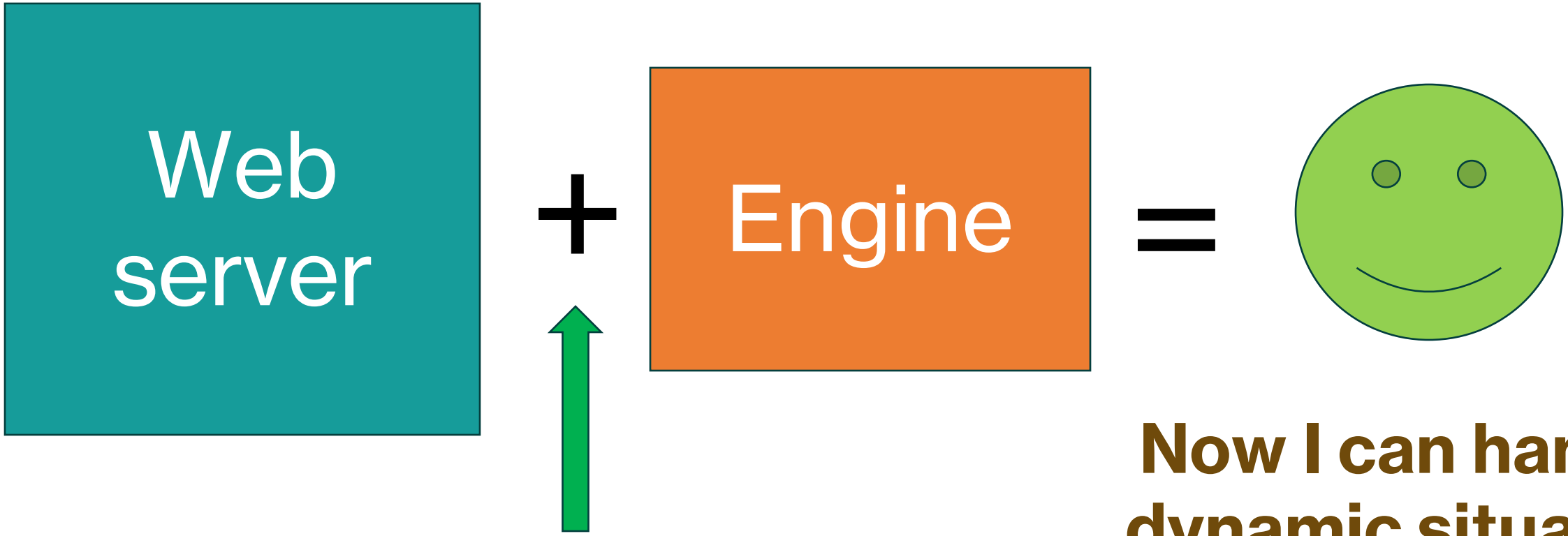

ORACLE
WEBLOGIC SERVER


php


Java


Tornado

Take ability to handle dynamic content



Need Configuration

Now I can handle dynamic situation

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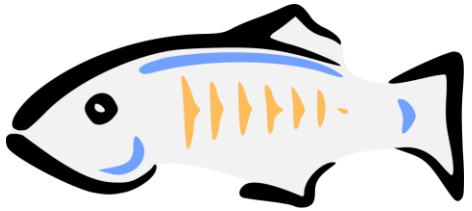
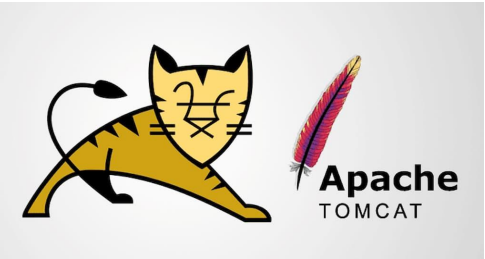
- Full profile- when apply all the specs of the Java EE it is considered as application server (Ex: GalssFish)

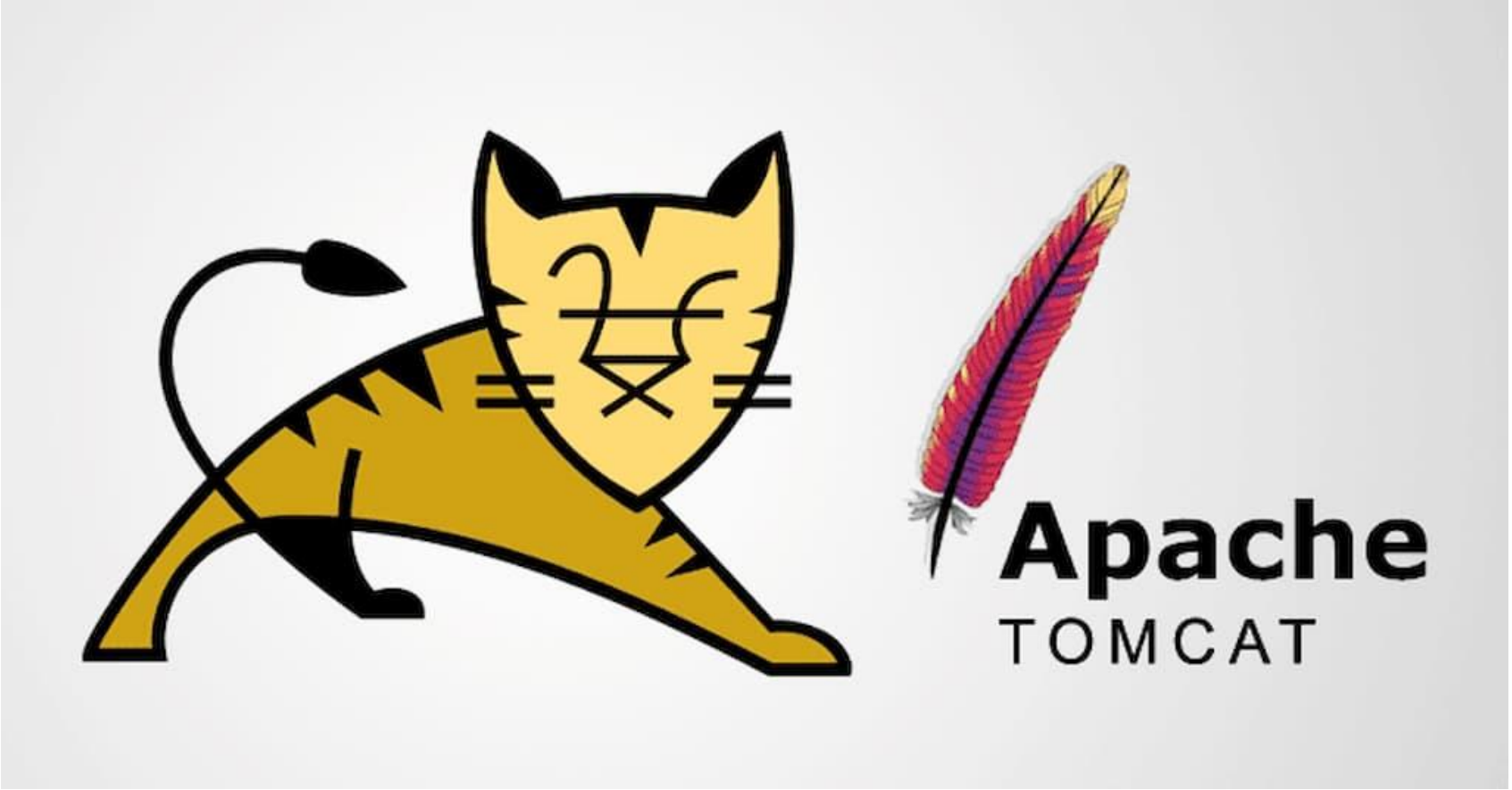


- Web Profile - when apply web profile of the Java - (Ex: TomEE)

- Web Container- When apply some part of the web profile of the Java EE - Tom Cat



Who is Tomcat



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