



Apache Tomcat®

Дистрибуирани софтверски системи

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Apache Tomcat

Download:

<http://tomcat.apache.org/>

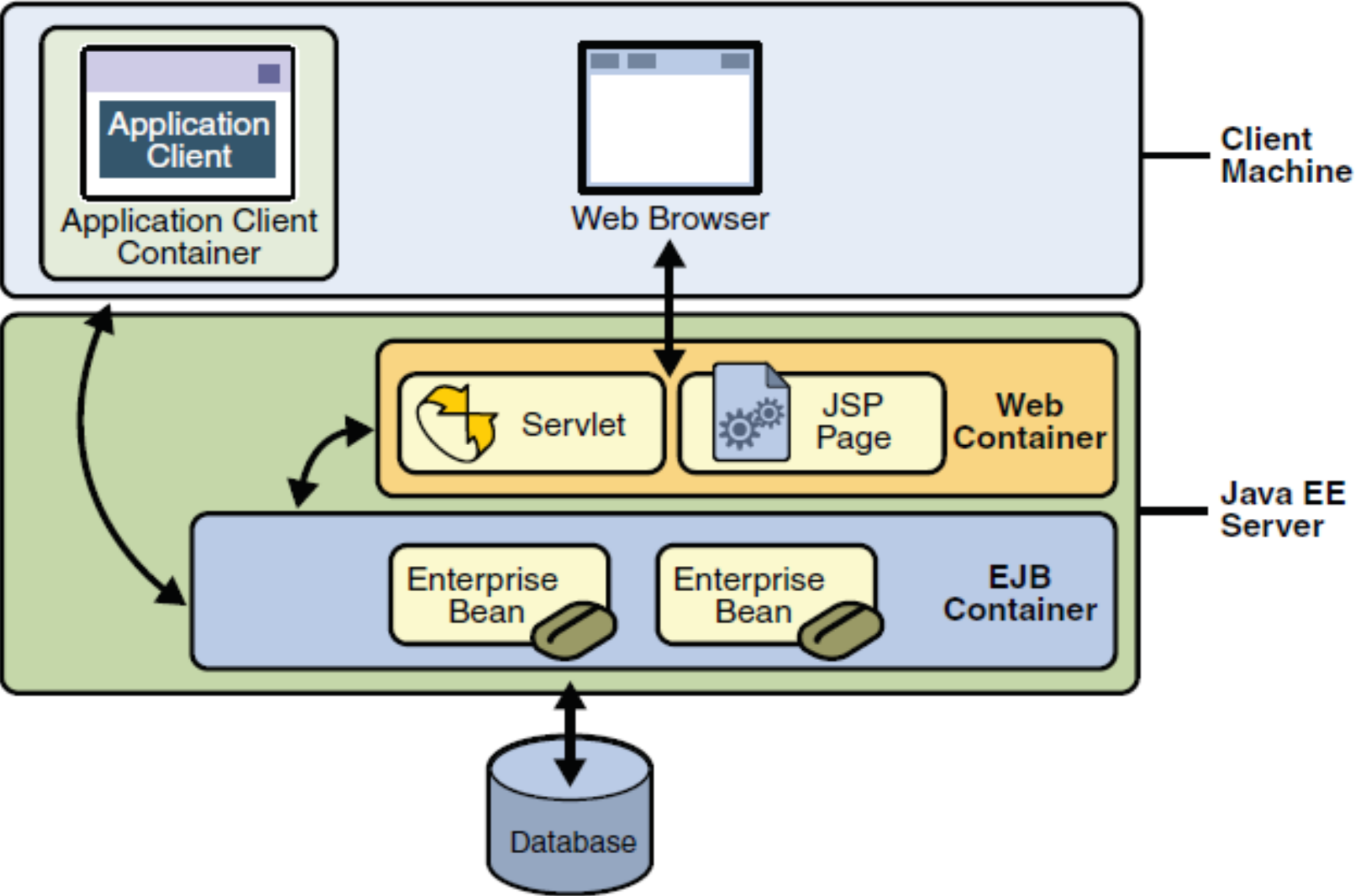
Open source implementation of:

- ❖ Java Servlet
- ❖ Java Server Pages
- ❖ Java Expression Language
- ❖ Java WebSocket

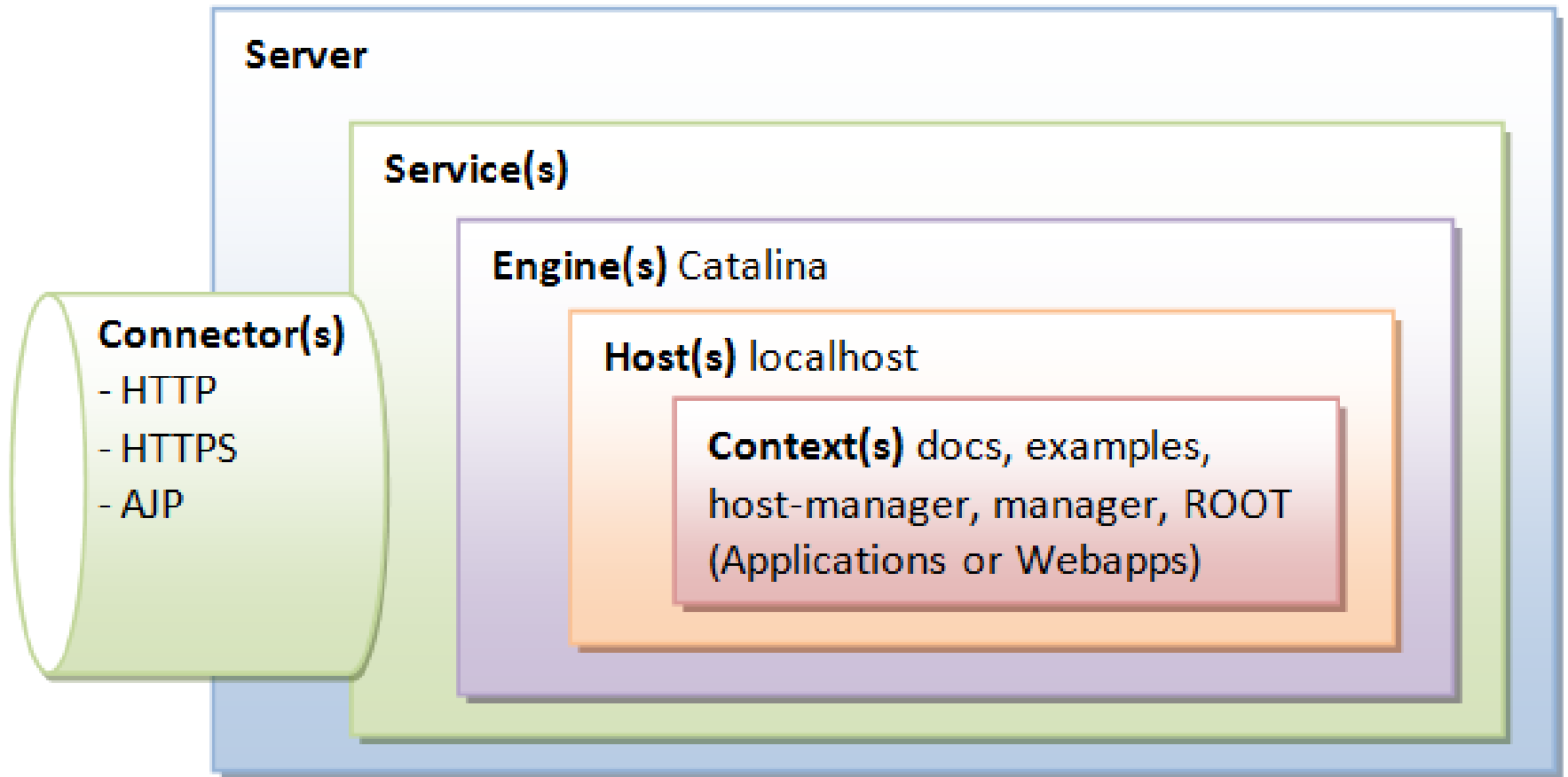
Functionalities:

- ❖ Servlet container (JSPs compile to Servlets)
- ❖ HTTP Web server for Java code

Servers and Containers in JEE



Apache Tomcat Architecture



Apache Tomcat :: server.xml

Container for web applications

Document structure in XML file reflects containers within the web server.

- ❖ Engine is the highest-level of a container. It can contain one or more Hosts.
- ❖ The highest-level is Engine; while the lowest-level is Context.
- ❖ A Host defines a virtual host under the Engine, which can in turn support many Contexts (webapps).

Defining web application:

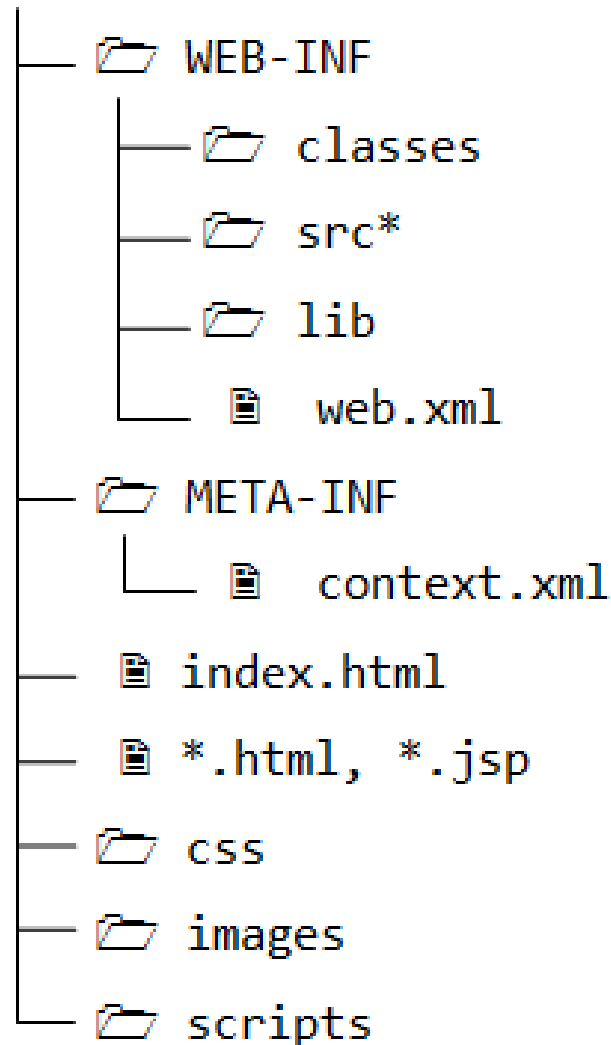
```
</Host>
  <Context path="/testweb" docBase="testweb" debug="0" reloadable="true"/>
  <Context path="/preduzece" docBase="preduzece" debug="0" reloadable="true"/>
  <Context path="/salon" docBase="salon" debug="0" reloadable="true"/>
</Engine>
</Service>
</Server>
```

Apache Tomcat :: Folder structure

c:\Apache\Tomcat 9.0*.*		
Name	Ext	Size
[..]		<DIR>
[bin]		<DIR>
[conf]		<DIR>
[lib]		<DIR>
[logs]		<DIR>
[temp]		<DIR>
[webapps]		<DIR>
[work]		<DIR>
del	ppp	31
delatnost	ppp	92
Uninstall	exe	80,616
tomcat	ico	21,630
LICENSE		58,153
NOTICE		1,859
RELEASE-NOTES		7,024

Apache Tomcat :: Web application structure

ContextRoot



Apache Tomcat :: web.xml

Deployment descriptors for web application

```
<web-app xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xmlns="http://xmlns.jcp.org/xml/ns/javaee"
  xsi:schemaLocation="http://xmlns.jcp.org/xml/ns/javaee
  http://xmlns.jcp.org/xml/ns/javaee/web-app_3_1.xsd" id="WebApp_ID" version="3.1">

  <display-name>Naziv aplikacije</display-name>

  <welcome-file-list>
    <welcome-file>index.html</welcome-file>
    <welcome-file>index.jsp</welcome-file>
  </welcome-file-list>

  <servlet>
    <servlet-name>ServletDelatnost</servlet-name>
    <servlet-class>ServletDelatnost</servlet-class>
  </servlet>
  ...
  <servlet-mapping>
    <servlet-name>ServletDelatnost</servlet-name>
    <url-pattern>/ServletDelatnost</url-pattern>
  </servlet-mapping>
  ...

</web-app>
```