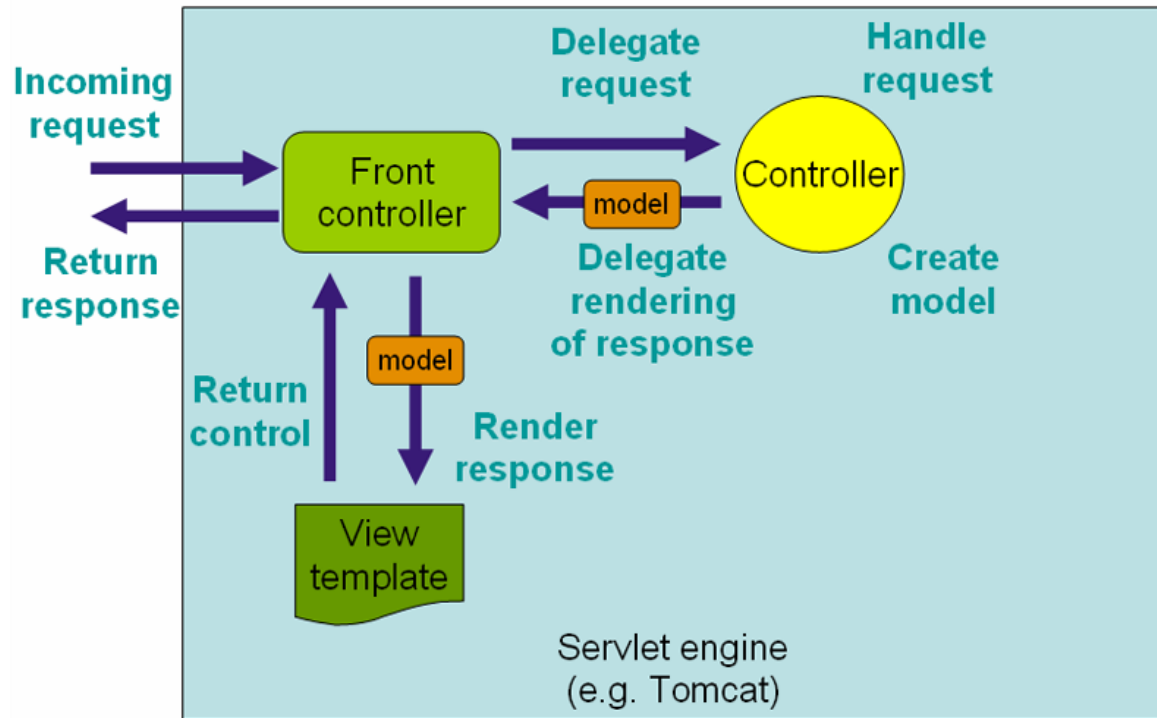# SPRING MVC

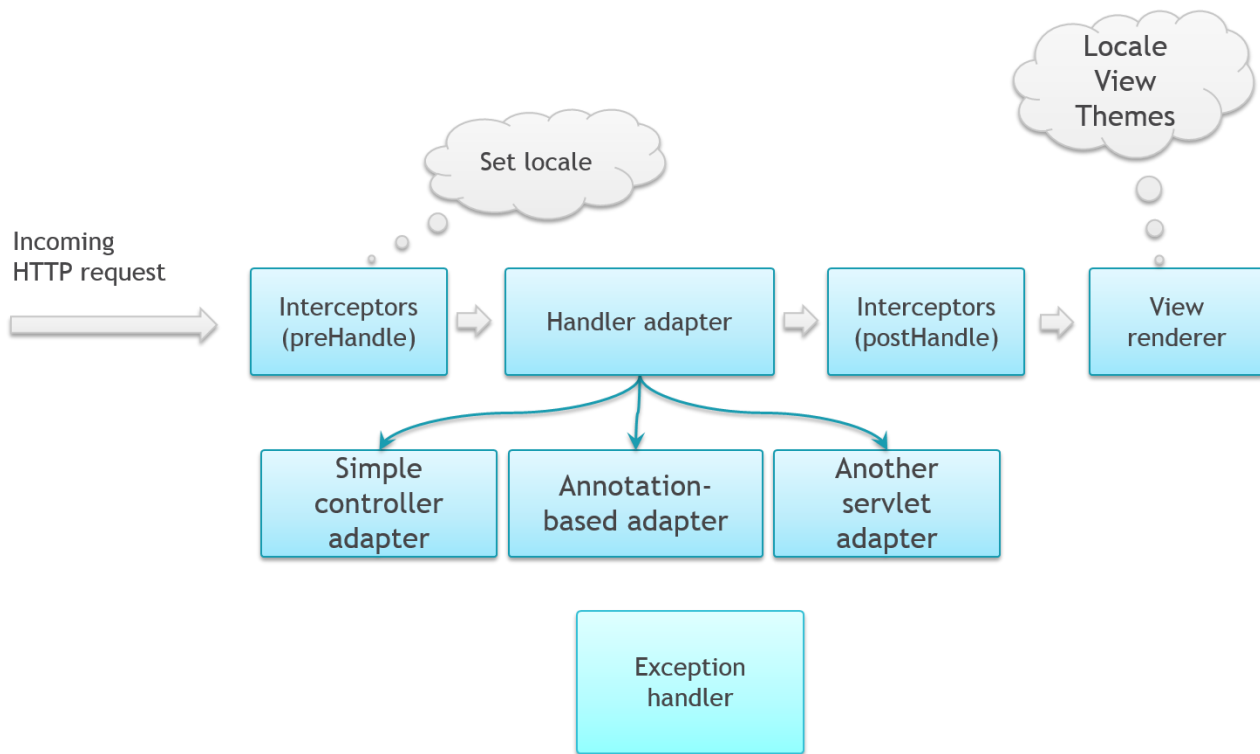## ARCHITECTURE. DISPATCHER SERVLET

MARCH, 2015

Spring MVC at a glance...

- Clear separation between a model, view and controller
- Enriched by Spring application context
- Simple implementation concepts
- Open-close principle
- Convention over configuration approach
- Broad range of pre-configured facilities
- Pluggable view technologies

REQUEST PROCESSING FLOW

DISPATCHER SERVLET FLOW

DISPATCHER SERVLET CONFIGURATION

```xml
<servlet>
    <servlet-name>dispatcher</servlet-name>
    <servlet-
class>org.springframework.web.servlet.DispatcherServlet</servlet-class>
    <load-on-startup>1</load-on-startup>
</servlet>

<servlet-mapping>
    <servlet-name>dispatcher</servlet-name>
    <url-pattern>/app/*<url-pattern>
</servlet-mapping>
```

```
webapp
 |
 |- WEB-INF
 |    |
 |    |- dispatcher-servlet.xml
 |    |- web.xml
 |
 |- index.html
```

CUSTOM CONFIGURATION LOCATION

```xml
<servlet>
    <servlet-name>dispatcher</servlet-name>
    <servlet-class>org.springframework.web.servlet.DispatcherServlet</servlet-class>
    <init-param>
        <param-name>contextConfigLocation</param-name>
        <param-value>/WEB-INF/web-config.xml</param-value>
    </init-param>
    <load-on-startup>1</load-on-startup>
</servlet>

<servlet-mapping>
    <servlet-name>dispatcher</servlet-name>
    <url-pattern>/app/*<url-pattern>
</servlet-mapping>
```

Multiple locations

```
    web-config.xml
    security.xml
    services.xml
```

Ant style path

```
    **/*-config.xml
```

Classpath reference

```
    classpath:web-config.xml
```
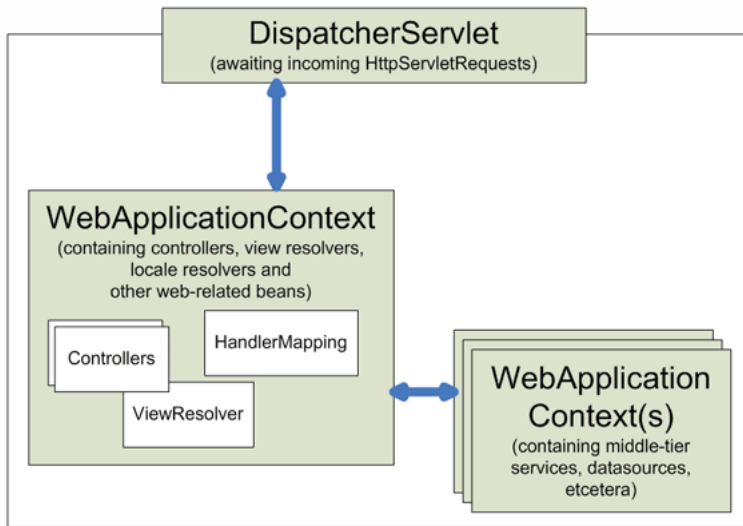
APPLICATION CONTEXT HIERARCHY

```
<listener>
    <listener-class>org.springframework.web.context.ContextLoaderListener</listener-class>
</listener>
<context-param>
    <param-name>contextConfigLocation</param-name>
    <param-value>/WEB-INF/application-context.xml</param-value>
<context-param>
```

THANK YOU!

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MARCH, 2015