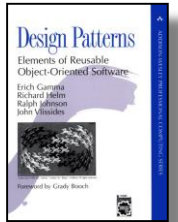




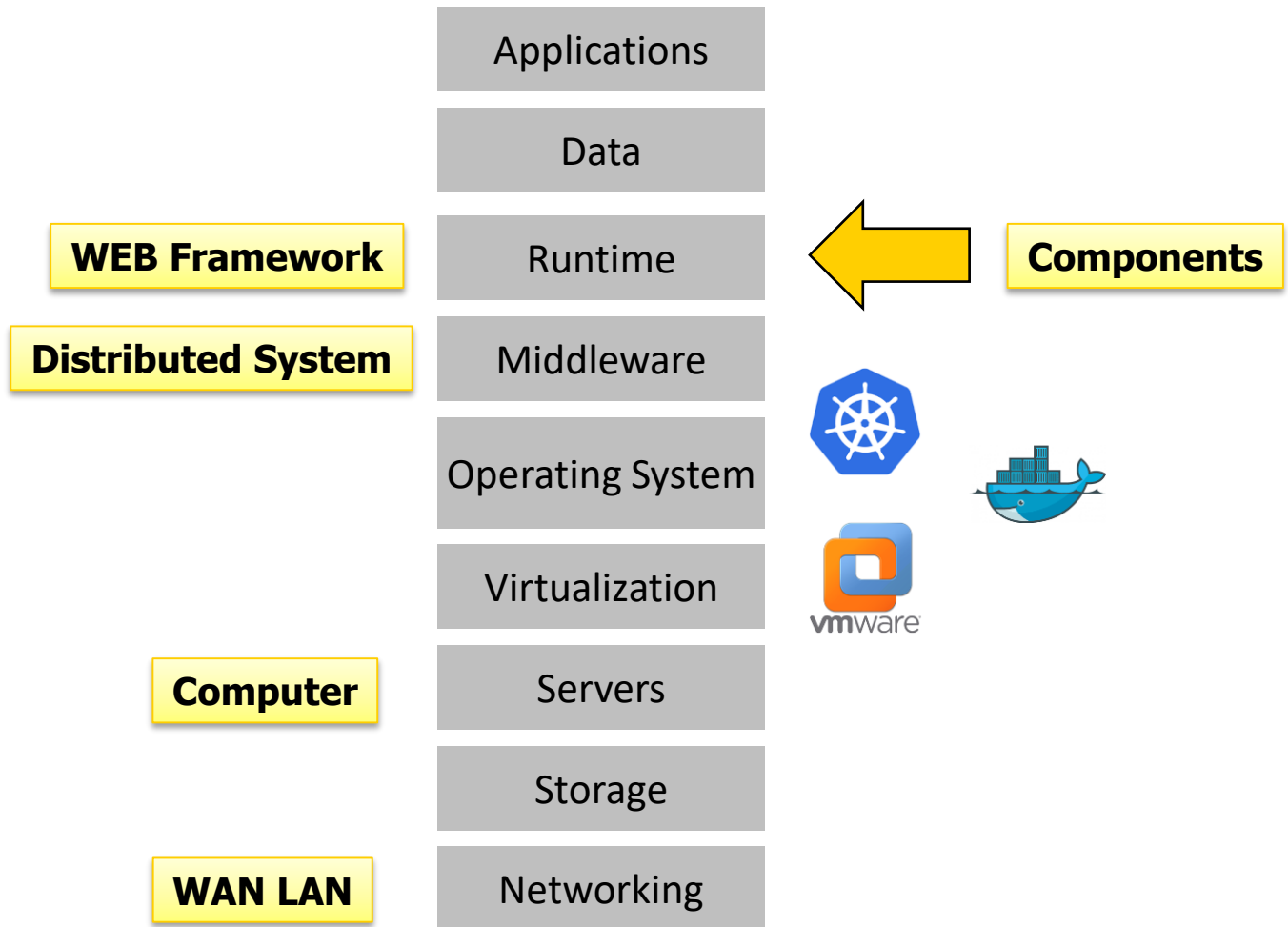
Architecture des Systèmes d'Information



TP
Servlet Context Listener
Filter
CDI



Computing Stack : PaaS



A faire



- Reprendre vos Servlet du TP de communication Servlet via le « Context » et Listener



- 1) Rajouter un « Filter » qui affiche l'adresse IP de l'appelant et l'heure de réception de la requête HTTP dans la console system.



- 2) Utiliser l'injection de contexte (@Inject) pour initialiser votre variable « context ».

- Ne plus utiliser la méthode: `getServletContext();`



- Rendu PDF des pages Web, même principe que les TP précédents.
- + Sequence Diagram Filter



Attention !!!



- Utiliser l'injection de contexte (@Inject) pour initialiser votre variable « context ».
 - Ne plus utiliser la méthode: `getServletContext();`



CDI Init



```
public void init (ServletConfig config) throws ServletException {  
    ServletContext context = config.getServletContext();  
    @Inject ServletContext context;  
}
```

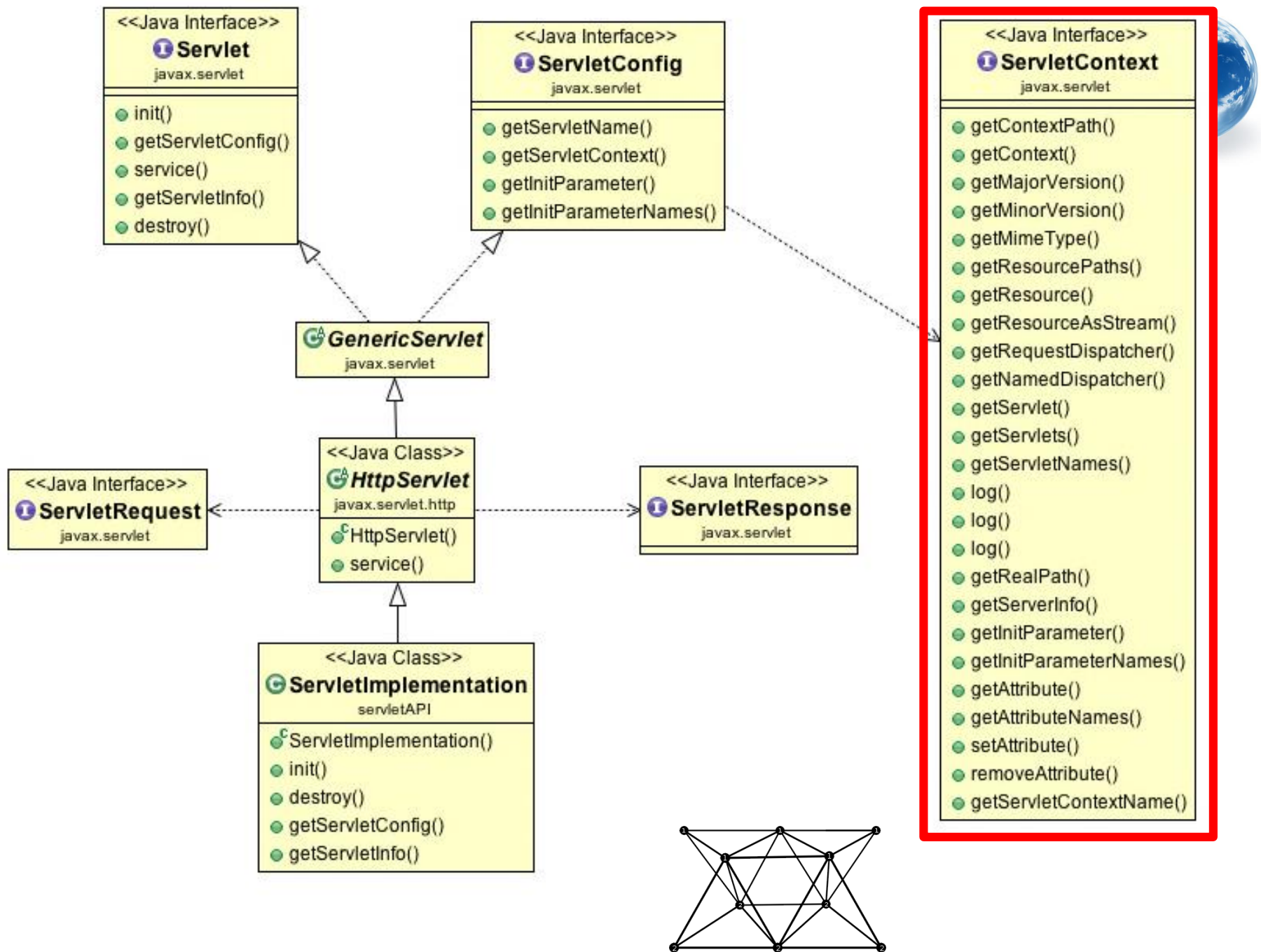


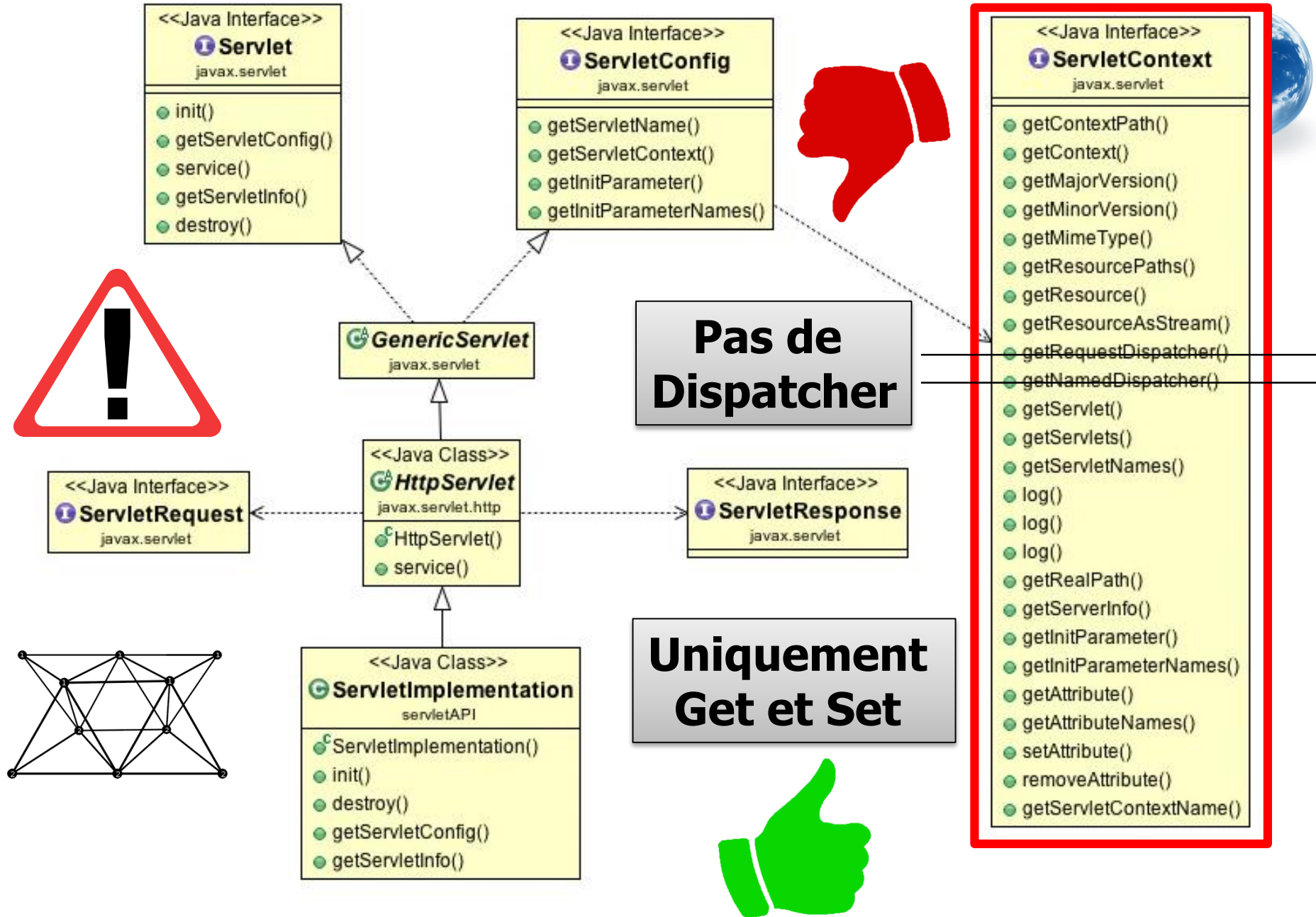
Package javax.servlet : Listener Interface



Servlet	Defines methods that all servlets must implement.
ServletContextListener	Interface for receiving notification events about ServletContext lifecycle changes.
ServletContextAttributeListener	Interface for receiving notification events about ServletContext attribute changes.







Servlet Filter Interface



<<Java Interface>>

Filter

(default package)

- `init(FilterConfig):void`
- `doFilter(ServletRequest,ServletResponse,FilterChain):void`
- `destroy():void`

<<Java Interface>>

FilterConfig

(default package)

- `getFilterName():String`
- `getServletContext()`
- `getInitParameter(String):String`
- `getInitParameterNames():Enumeration`

<<Java Interface>>

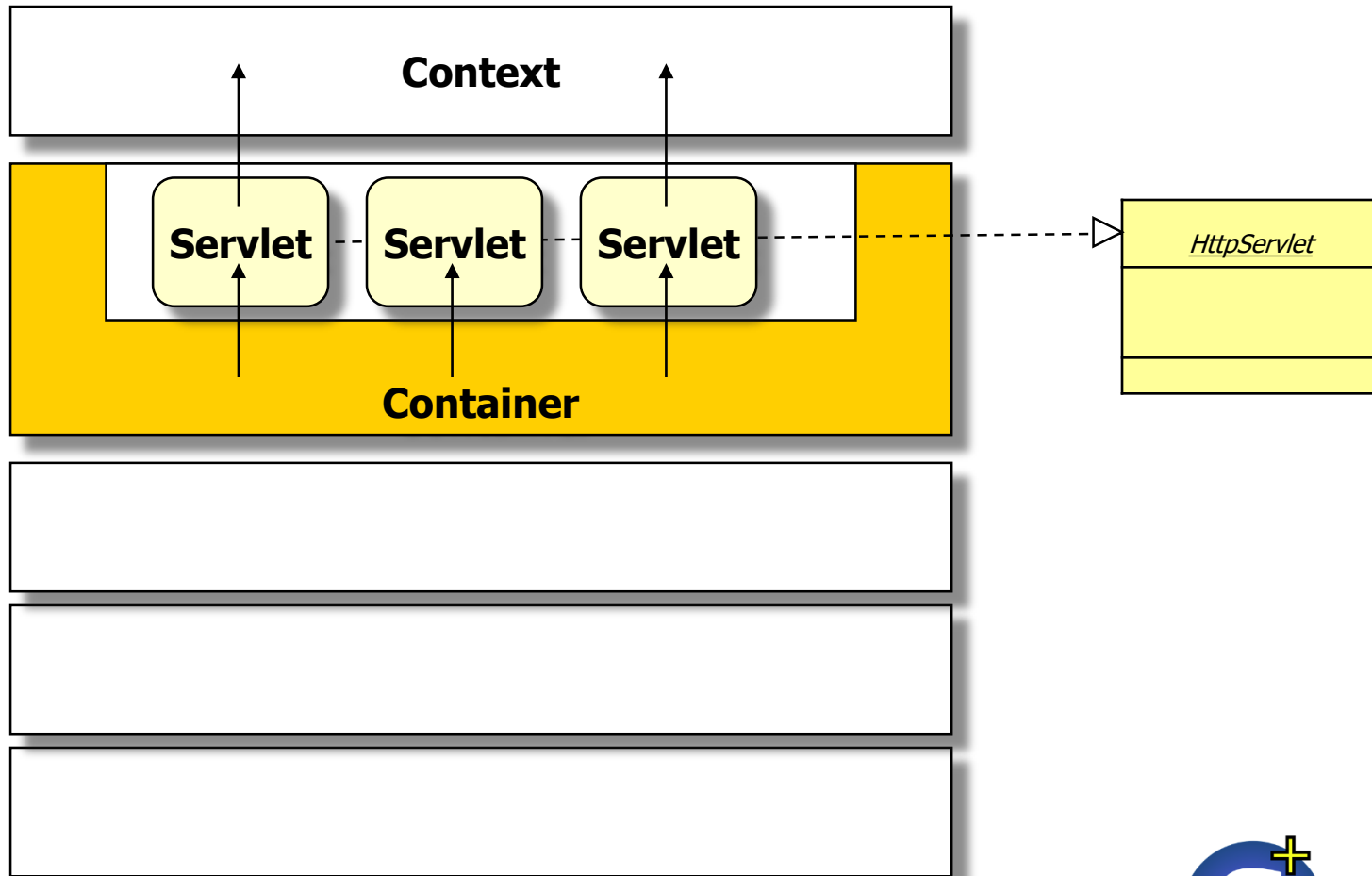
FilterChain

(default package)

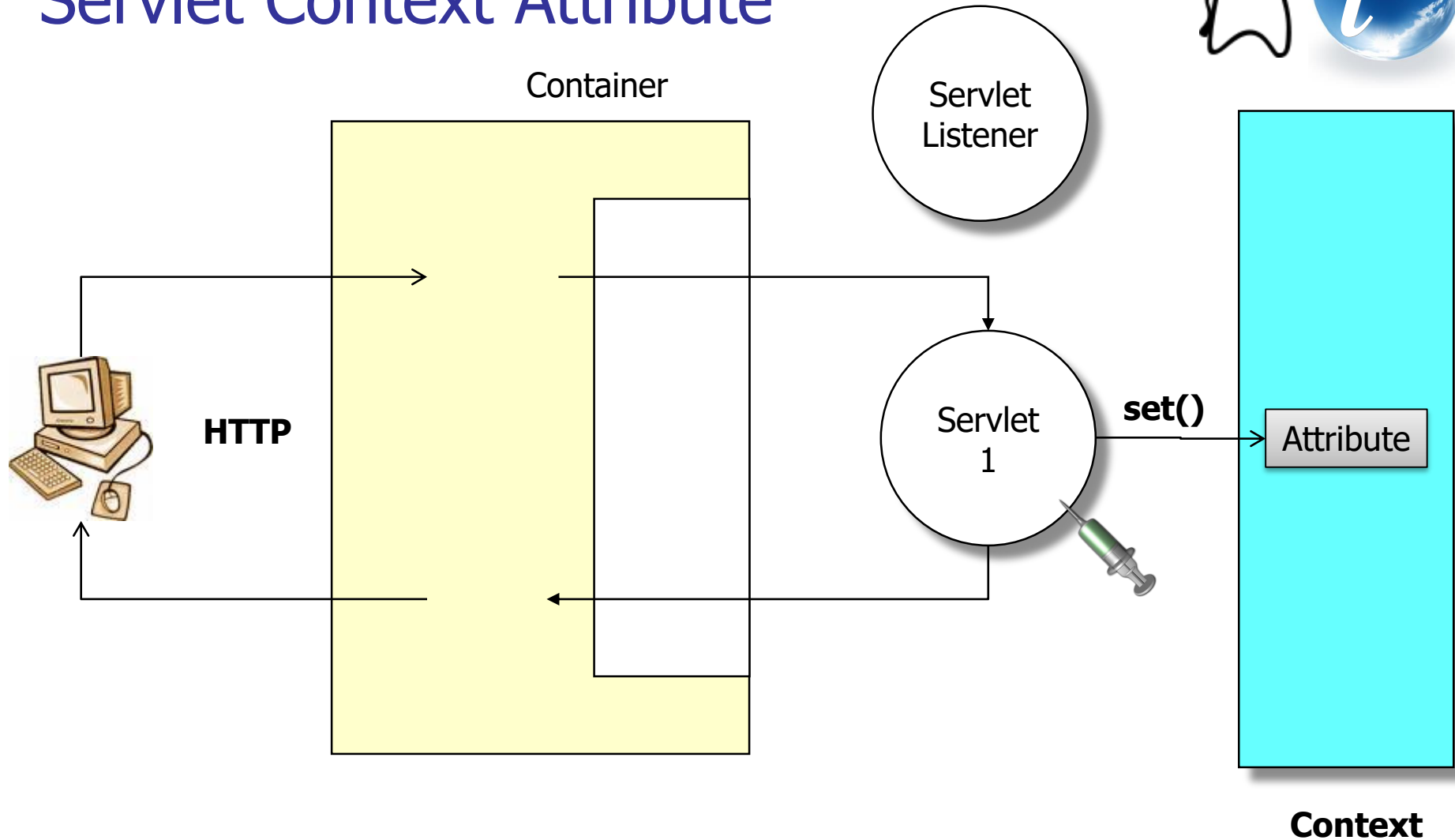
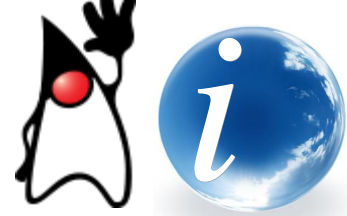
- `doFilter(ServletRequest,ServletResponse):void`



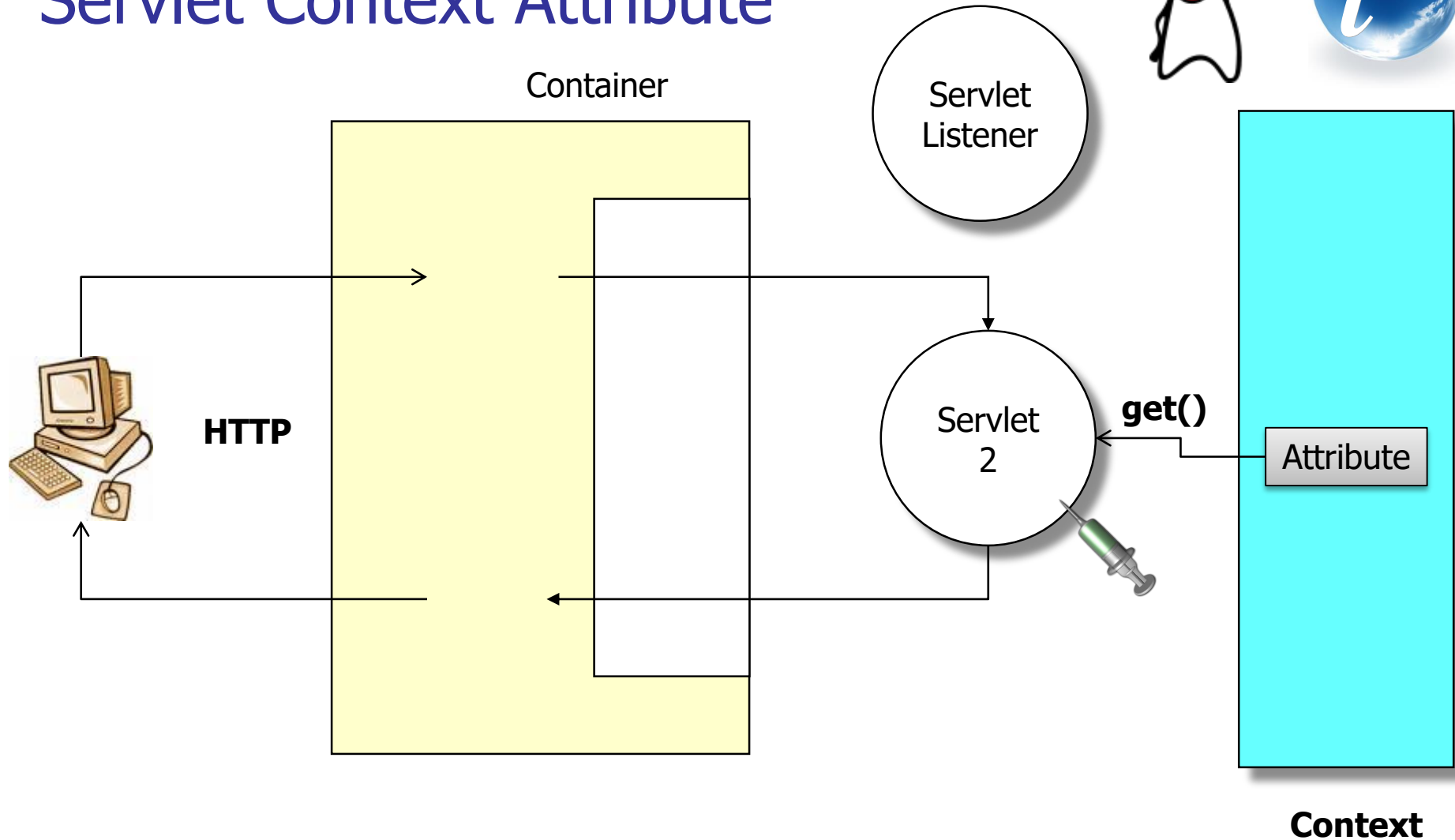
Servlet Container and Servlet Context



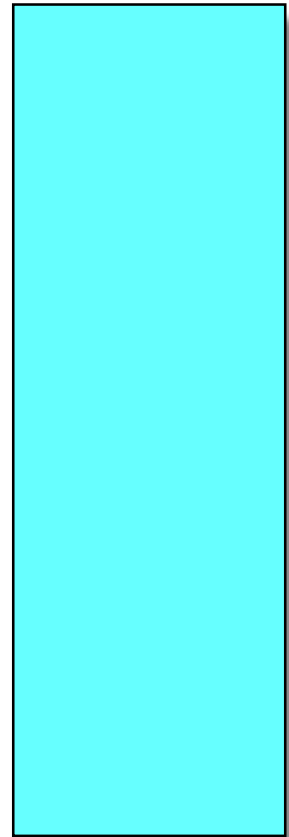
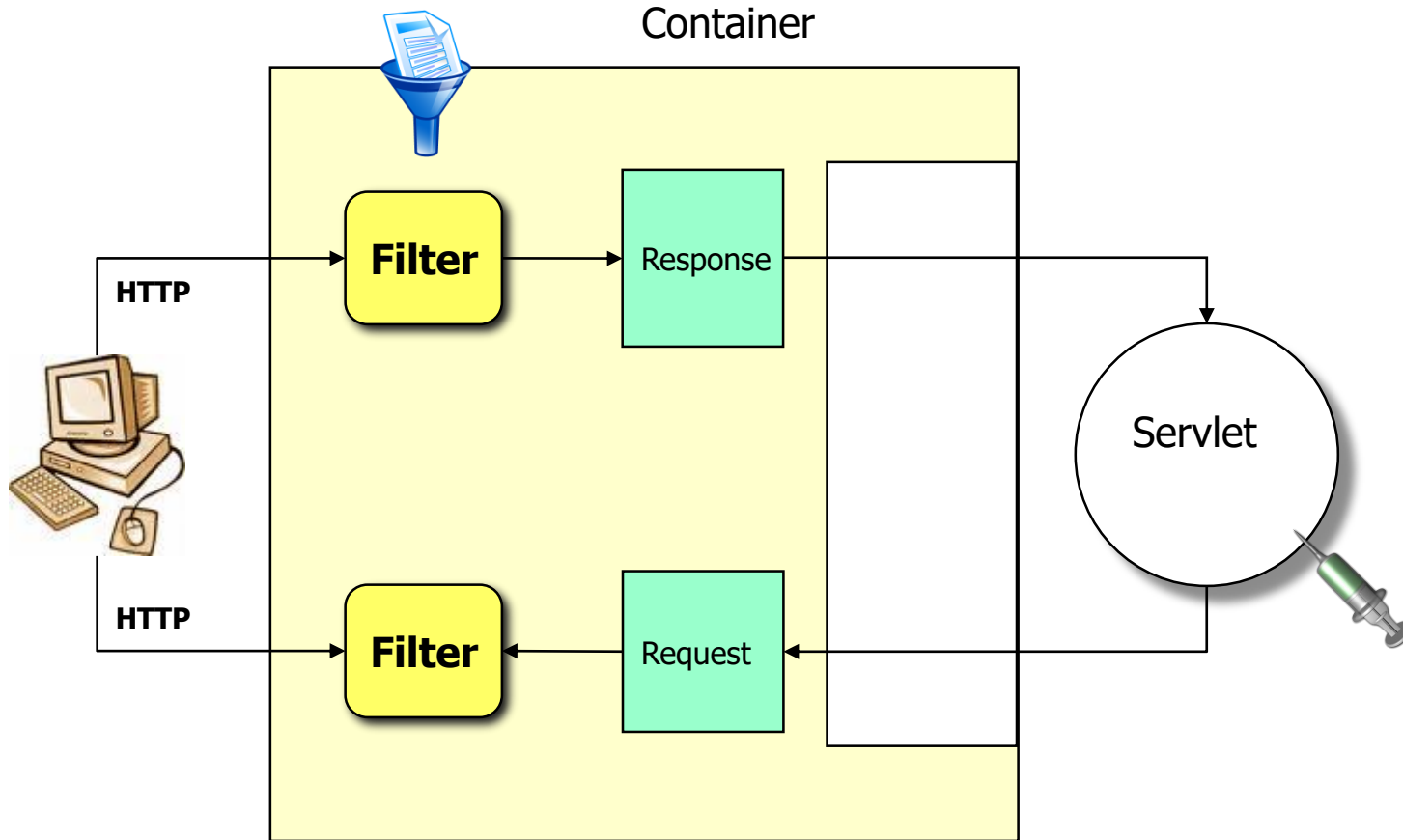
Servlet Context Attribute



Servlet Context Attribute



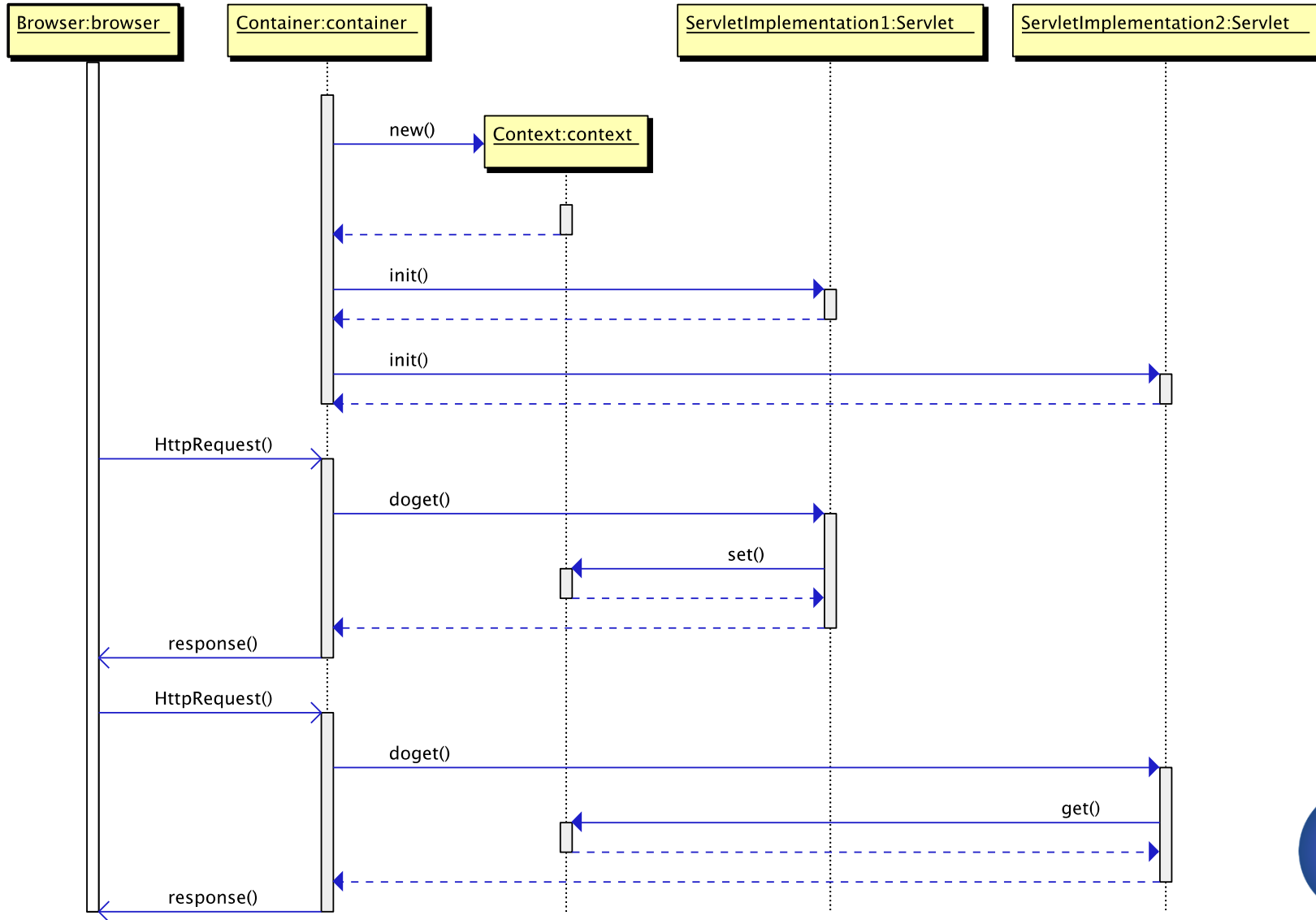
Servlet Filter



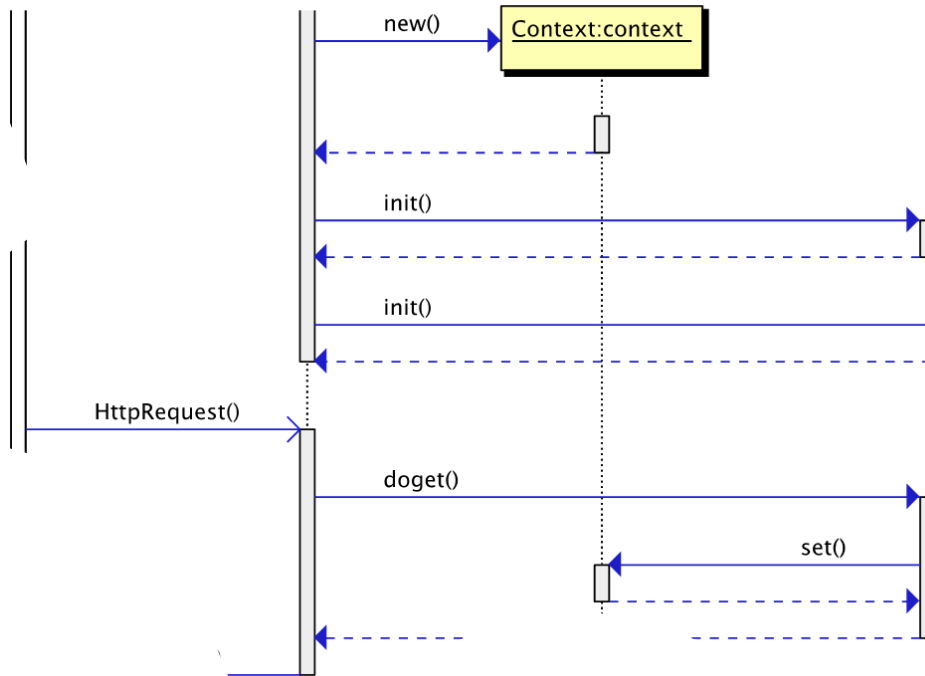
Context



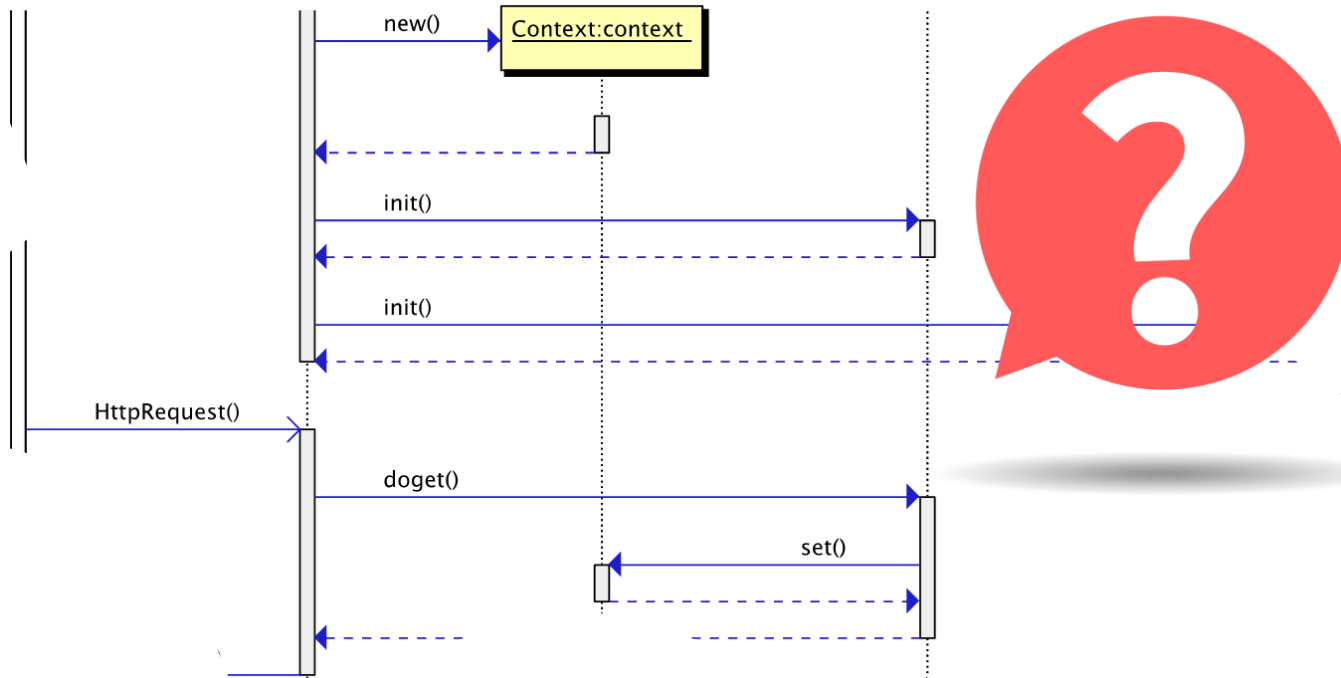
Servlet Container and Servlet Context



Servlet Context Listener Sequence Diagram



Servlet Filter Sequence Diagram



Filter Output



```
Markers Properties Servers Data Source Explorer Snippets Console Search
JBoss 6.x Runtime Server [JBoss Application Server Startup Configuration] /System/Library/Java/JavaVirtualMachines/1.6.0.jdk/Contents/Home/bin/java (12 mars 2015 19:04:29)
19:07:30,420 INFO [org.jboss.web.tomcat.service.deployers.TomcatDeployment] undeploy, ctxPath=/helloServletFilter
19:07:30,589 INFO [org.jboss.web.tomcat.service.deployers.TomcatDeployment] deploy, ctxPath=/helloServletFilter
19:07:30,611 INFO [STDOUT] Test Param: null
19:07:43,013 INFO [STDOUT] IP 127.0.0.1, Time Thu Mar 12 19:07:43 CET 2015
19:07:43,776 INFO [STDOUT] IP 127.0.0.1, Time Thu Mar 12 19:07:43 CET 2015
19:07:44,369 INFO [STDOUT] IP 127.0.0.1, Time Thu Mar 12 19:07:44 CET 2015
19:07:44,590 INFO [STDOUT] IP 127.0.0.1, Time Thu Mar 12 19:07:44 CET 2015
19:07:44,973 INFO [STDOUT] IP 127.0.0.1, Time Thu Mar 12 19:07:44 CET 2015
```





New ▶

Go Into

Show In ⌘W ▶

Copy ⌘C

Copy Qualified Name

Paste ⌘V

Delete [X]

Remove from Context ⌘⇧↓

Build Path ▶

Refactor ⌘T ▶

Import ▶

Export ▶

Refresh F5

Close Project

Close Unrelated Projects

Mark as Deployable

Validate

Show in Remote Systems view

Run As ▶

Debug As ▶

Profile As ▶

Team ▶

Compare With ▶

Restore from Local History...

Java EE Tools ▶

Configure ▶

Project...

Ecore Diagram

Ecore Tools Project

File

Folder

SQL File

Annotation

Class

Enum

Interface

Package

Source Folder

Dynamic Web Project

Enterprise Application Project

JavaScript Source File

HTML File

JSP File

Filter

Listener

Servlet

Example...

Other... ⌘N



Create Filter

Specify class file destination.

Project:

Source folder:

Java package:

Class name:

Superclass:

☐ Use existing Filter class

Class name:

A faire



■ IDE

■ Utiliser l'IDE de votre choix :

- Eclipse
- NetBeans
- IntelliJ Idea
- DrJava
-
-
- ..



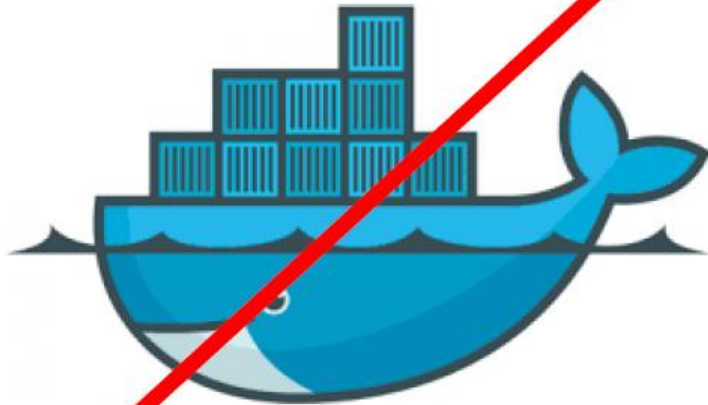
■ C'est plus facile avec Eclipse WTP, c'est vous qui voyez.





A ne pas faire

- Pas de Container





- **Rendre un PDF sur moodle**
 - Explications de l'utilisation de l'IDE de votre choix
 - Explications du déploiement de vos Servlet
 - Explications de la configuration de vos Servlet
 - Explications des difficultés rencontrées
 - Sequence Diagram Listener
 - Sequence Diagram Filter

- **Copie d'écran sur la VM ou pas**
 - Page de log de démarrage des serveurs
 - Page de log du chargement de votre Servlet



- Copies d'écrans en incrustation de l'hôte (ou pas) :
 - Page WEB de vos Servlet
 - Page WEB d'accueil Wildfly
 -

Email



- Votre email dans l'entête de votre rapport
- Rajoutez dans l'objet de vos emails :
 - [ASI202X:TPY]
 - X année en cours
 - Y n° de ce TP
- Avec les crochets !!

