

Introduction to Java Servlet API («JEE02»)

This course provides an introduction to the practical use of Java Servlets in web applications.

Duration: 2 days

Price: 1'400.–

Content

1. Basics

- Servlet Life Cycle
- Interface `javax.servlet.Servlet`
- Interface `javax.servlet.ServletException`
- Interface `javax.servlet.ServletResponse`
- Class `javax.servlet.GenericServlet`
- Class `javax.servlet.http.HttpServlet`
- Interface `javax.servlet.http.HttpServletRequest`
- Interface `javax.servlet.http.HttpServletResponse`

2. Web applications

- texture
- Deployment Descriptor
- annotation
- Web Archive (WAR)

3. Web container

- context
- Interface `javax.servlet.ServletContext`
- Interface `java.util.EventListener`
- Interface `javax.servlet.ServletContextListener`
- Interface `javax.servlet.ServletContextAttributeListener`

4. Configurations

- parameter
- header
- Interface `javax.servlet.ServletConfig`

5. Requests

- Interface `javax.servlet.ServletRequestWrapper`
- Interface `javax.servlet.http.HttpServletRequestWrapper`
- Interface `javax.servlet.ServletRequestListener`
- Interface `javax.servlet.ServletRequestAttributeListener`

6. Replies

- Interface `javax.servlet.ServletResponseWrapper`
- Interface `javax.servlet.http.HttpServletResponseWrapper`
- Class `javax.servlet.ServletOutputStream`
- Class `javax.servlet.ServletInputStream`

7. Dispatching

- Forwarding versus Inclusion
- Interface `javax.servlet.RequestDispatcher`

8. Filters

- Filter Life Cycle
- Interface `javax.servlet.Filter`
- Interface `javax.servlet.FilterChain`
- Interface `javax.servlet.FilterConfig`

9. Sessions

- Session Life Cycle

- Interface javax.servlet.http.HttpSession
- Interface javax.servlet.http.HttpSessionListener
- Interface javax.servlet.http.HttpSessionIdListener
- Interface javax.servlet.http.HttpSessionActivationListener
- Interface javax.servlet.http.HttpSessionAttributeListener
- Interface javax.servlet.http.HttpSessionBindingListener
- Class javax.servlet.http.Cookie

10. Asynchronous

- asynchronous life cycle
- Interface javax.servlet.AsyncContext
- Interface javax.servlet.AsyncListener

11. Modules

- Multipart Form
- Web Fragment

Key Learnings

- Introduction to the Java Servlet API specification
- Practical use of Java Servlets

Target audience

This course is aimed at application developers who want to use Java Servlets in web applications.

Requirements

Several months of practical experience in application development with Java or at least completion of the previous course:

- [Introduction to application development with Jakarta EE \(«JEE01»\)](#)

Further courses

- [Introduction to the JavaServer Pages API \(«JEE03»\)](#)

Any questions?

We are happy to advise you on +41 44 447 21 21 or info@digicomp.ch. You can find detailed information about dates on www.digicomp.ch/courses-software-engineering/programming-languages/java-javascript/course-introduction-to-java-servlet-api