

RESTful Services, Part 2 of 5: Injection and Sub Resources

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Prerequisites: This course assumes that the users have experience coding with Java. You should have already viewed the “RESTful Services: Overview and JAX-RS” course before viewing this course.

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Course description: Just like any modern framework running on a Java application server, JAX-RS defines a lifecycle for the resources that you create. In this course, you will learn about the JAX-RS lifecycles of Instance per request, as well as how singletons behave. Along with those topics we will also explore all of the elements that can be injected into a service to provide access to all the different parts of the HTTP request and response. Lastly, we will look at the power of sub resources.

Course outline:

Life Cycle

- Introduction
- Demo: Review & New Resource
- Demo: Singletons
- Demo: Singletons vs Inst./Req.
- Demo: Only two options
- Summary

Injection

- Introduction
- Demo: Context
- Demo: Uri Info
- Demo: Return to Singleton
- Demo: More Context (cont.)
- Summary

Sub Resources Continued

- Introduction
- Demo: Run the Code
- Demo: Delegation
- Demo: Reality
- Summary

Sub Resources

- Introduction
- Demo: Add Resource & Classes
- Demo: Sub Resources (cont.)
- Demo: The Resource
- Demo: How It Works (cont.)
- Summary