

# Course Presentation: REST API Security

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# Title, author and department

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- **Title; REST API Security**
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# Description and Keywords

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- **Description:** This course introduces the theoretical concepts necessary for the creation of REST APIs with JAX RS and the Jersey library, as well as for their securitization with different levels of complexity. In addition to providing guided practices to understand and learn how to implement these services and their security, a final project is presented as a challenge for the student who has completed all the guided practices.
- **Keywords:** REST API Security, RESTful services, Jersey, JAX-RS, Certificates, Api Keys JWT, JWE.

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- **Introduction and Implementation of REST APIs**
  - Introduction to REST API
  - Guided Practice: Creating a Basic REST API
  - Guided Practice: Learning More about REST Tags
- **Securing REST APIs**
  - Guided Practice: Basic Security Concepts
  - Guided Practice: API Keys and Web Tokens
  - Guided Practice: Authentication and Certificates
- **Final Project**
- **Guide for the installation of the software required for the practices**