Introduction to Jython
Explore Jython Programming, Integration with Java, Database Access, Deubugging, Unit Testing & More

Course Snapshot

- **Course: TTPS4887: Introduction to Jython**
- **Duration**: 3 days
- **Audience & Skill-Level**: This in an introductory level course for experience Java developers.
- **Hands-on Learning:** This course is approximately **60% hands-on**, combining expert lecture, real-world demonstrations and group discussions with machine-based practical labs and exercises. Student machines are required.
- **Delivery Options**: This course is available for **onsite private classroom presentation**, **live online virtual presentation**, or can be presented in a **flexible blended learning format** for combined onsite and remote attendees. Please also ask about our **Self-Paced / Video / QuickSkills or Mini-Camp Flex Hours / Short Course** options.
- **Public Schedule**: This course has active dates on our live-online open enrollment **Public Schedule**.
- **Customizable**: This course agenda, topics and labs can be further adjusted to target your specific training skills objectives, tools and learning goals. Please inquire for details.

Overview

Geared for experienced Java developers, **Introduction to Jython** is a hands-on course that teaches participants Jython, Java implementation of Python. Jython is a high-level, object-oriented, open-source programming language. Jython programs can access the Python library, as well as seamlessly access Java classes and the libraries and extend them. Throughout this course students will explore programming with Jython, its integration with Java, and using Jython in the real world.

Learning Objectives

This "skills-centric" course is about 60% hands-on lab to lecture ratio, coupling the most current, effective techniques with the soundest industry practices. Throughout the course students will be led through a series of progressively advanced topics, where each topic consists of lecture, group discussion, comprehensive hands-on lab exercises, and lab review.

Working within in a hands-on learning environment, guided by our expert team, attendees will explore:
- Core Jython language constructs
- Writing Jython scripts
- Advanced OOPS
- Exception Handling
- File I/O
- Using Jython in IDE
- Jython and Java Integration
- Creating Custom Modules
- Database Access
- Network programming
- Debugging
- Design patterns
- Unittesting

Need different skills or topics? If your team requires different topics or tools, additional skills or custom approach, this course may be further adjusted to accommodate. We offer additional Java, Python, programming, design, testing, services, application security and other related topics that may be blended with this course for a track that best suits your needs. Our team will collaborate with you to understand your needs and will target the course to focus on your specific learning objectives and goals.

**Jython
Training Series**

Collaborative IT Training, Coaching & Skills Development Solutions
w w w . t r i v e r a t e c h . c o m   ●   Info@triveratech.com

Audience & Pre-Requisites

This is course, designed for **experienced Java developers**. Attendees should have current hands-on experience in developing basic Java applications. This course is NOT for developers new to Java, or for non-developers.

Take Before: Students should have practical skills equivalent to or should have received training in the following topic(s) as a pre-requisite:
- TT2104: Fast Track to Core Java Programming for OO Experienced Developers

Take After: Our core Java and Python training courses provide students with a solid foundation for continued learning based on role, goals, or their areas of specialty. Please contact us for recommended next steps tailored to your longer-term education, project, role or development objectives.

Enhanced Learning Services: Please also ask about our **Pre-Training Class OnRamp & Prep / Primer** offerings, **Skills Gap Assessment Services**, **Case Studies**, **Knowledge Check Quizzes**, **Skills Immersion Programs & Camps**, **Collaborative Mentoring Services** and **Extended Learning Support** & **Post Training** services.

Course Topics / Agenda

Please note that this list of topics is based on our standard course offering, evolved from typical industry uses and trends. We'll work with you to tune this course and level of coverage to target the skills you need most. Topics, agenda and labs are subject to change, and may adjust during live delivery based on audience skill level, interests and participation.

- Installing and Configuring Jython
- Using an IDE with Jython
- Scripting with Jython/Python
- Using Java with Jython
- Embedding Jython into Java

- Object Oriented Jython
- Handling Errors and Debugging Jython
- Building and Deploying Jython Applications

- Jython GUI Programming
- Using Databases with Jython
- Processing XML with Jython
- Jython Servlets
- JSP with Jython

Course Materials: Each participant will receive a **Student Guide** with course notes, code samples, software tutorials, step-by-step written lab instructions, diagrams and related reference materials and resource links. Students will also receive the project files (or code, if applicable) and solutions required for the hands-on work.

Hands-On Setup Made Simple! Our dedicated tech team will work with you to ensure our 'easy-access' cloud-based course environment is accessible, fully-tested and verified as ready to go well in advance of the course start date, ensuring a smooth start to class and effective learning experience for all participants. Please inquire for details and options.

For More Information

For more information about our dedicated training services, collaborative coaching services, courseware licensing and development services, public course schedule, training management services, partner programs, or to see our complete list of course offerings and special offers please visit us at **www.triveratech.com**, email **Info@triveratech.com** or call us toll free at **844-475-4559.** Our pricing and services are always satisfaction guaranteed.