

O&T Academy Program: API Microservices

The course is designed by the domain experts to help you master API Microservices skills like Basics of Java, Cloud overview, GitHub, Jenkins, RLM, Microservices Architecture, Spring Boot & Spring framework etc. through multiple VILT Sessions & real-time examples. Learn from industry best SME's & get certified.



Key Highlights of the Bootcamp program

Experience highly interactive live virtual class sessions conducted by Industry best trainers



Immersive Learning with Hands-on exercises



Modular assessments



Holistic view of Digital UI/UX and its real-world applications



Course Completion certificate post successful completion of the program



Start Date: February 03, 2023.

VILT Session: Weekly 1 session of 2 Hours

Self-Paced Learning: Candidates should dedicate mandatory 3 hours/week for self-paced learning.

HTML 5, JavaScript, jQuery

Node.JS

GitHub

Jenkins

RLM

Angular & CSS3

React

API & Microservices

Skill Name	Week #	#Of Days of Training	Self-Paced Learning Hours	VILT Learning Hours	Topics Covered
Basics of Java	Week 1 - 2	Day 01 - 10	6	4	Click here for detailed curriculum
Cloud Overview	Week 3	Day 11 - 15	3	2	Click here for detailed curriculum
Bitbucket (GitHub) Overview	Week 4	Day 16 - 20	3	2	Click here for detailed curriculum
Jenkins	Week 5	Day 21 - 25	3	2	Click here for detailed curriculum
RLM (deployment) Overview	Week 6	Day 26 - 30	0	3	Click here for detailed curriculum
API and Microservices Architecture	Week 7	Day 31 - 35	3	2	Click here for detailed curriculum
Spring Boot core & Spring Cloud	Week 8 - 10	Day 36 - 50	9	6	Click here for detailed curriculum
Spring Integration Framework	Week 11	Day 50 - 55	3	2	Click here for detailed curriculum

Course Curriculum

Week	Day	Course Name	Topics
API Microservices Track			
Week 1 & 2	Day 1 - 10	Basics of Java	Java - All the way! Annotations & Generics
			Lambda Expressions Streams API
			Date & Time API Concurrency vs Parallelism
			Packaging Java - JAR to JMOD
			Post Assessment Test
Week 3	Day 6 - 15	Cloud Overview & Openshift	Evolution of Cloud and Cloud Models SAAS, PAAS, and IAAS The Five Key Characteristics of Cloud Computing Benefits of Cloud Computing CapEx Versus OpEx Definition of Cloud Using an Example
			Openshift Quick Dive – Deploying a Web App with HA Concepts - Projects, Pods Service, Routes, Build and Deployment Configs Just Enough Docker for an Openshift Practitioner Openshift the Kubernetes Way Deploying Vote and Redis with Images - Images, Image Streams, Router Configs Deploying apps from Source, Template, Dockerfile - S2I Builders, Build Configs
			Post Assessment Test
Week 4	Day 16 -20	GitHub	Git Commands and Working
			Post Assessment Test
Week 5	Day 21 - 25	Jenkins	Jenkins CI/CD pipelines
			Post Assessment Test
Week 6	Day 26 - 30	RLM Development	Docker and Kubernetes
			Commands and working
			OpenShift (Overview) (Core)
			Post Assessment Test
Week 7	Day 31 - 35	API and Microservices Architecture	Monolith vs SOA vs Microservices
			API driven Microservices
			Cloud Computing - Need & Types

			Cloud native Microservices
			Post Assessment Test
Week 8 - 10	Day 36 - 50	Spring Boot core & Spring Cloud	SpringBoot (Core) The need for SpringBoot Creating REST Services Creating REST Clients (OpenFeign) Persistence with Spring Data (PostgreSQL)
			Spring Cloud Configuration Server Service Discovery Resiliency Gateway Stream Sleuth & Zipkin
			Post Assessment Test
Week 11	Day 50 -55	Spring Integration Framework	Spring Integration Messages & Channels Messaging Template Endpoints Message Routing Message Transformation
			API Security using OAuth Documenting Microservices using OpenAPI Deployment using Docker & Kubernetes
			Post Assessment Test

Interested in This Program?

Secure your spot now by enrolling to the program.

