

SAP BTP CAPM (Cloud Application Programming Model) Training

COURSE CONTENT

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About Multisoft

Train yourself with the best and develop valuable in-demand skills with Multisoft Systems. A leading certification training provider, Multisoft collaborates with top technologies to bring world-class one-on-one and certification trainings. With the goal to empower professionals and business across the globe, we offer more than 1500 training courses, which are delivered by Multisoft's global subject matter experts. We offer tailored corporate training; project Based Training, comprehensive learning solution with lifetime e-learning access, after training support and globally recognized training certificates.

About Course

The SAP BTP CAPM (Cloud Application Programming Model) Training by Multisoft Systems is designed to help developers, architects, and consultants build enterprise-grade, scalable, and secure applications on the SAP Business Technology Platform (BTP). This course provides a deep understanding of the CAP Model, which simplifies application development by integrating core SAP technologies such as Core Data Services (CDS), Node.js, Java, and Fiori UI.

Module 1: Introduction to SAP BTP CAPM

- ✓ Overview of SAP Business Technology Platform (BTP)
- ✓ Key features of SAP Cloud Application Programming Model
- ✓ Understanding cloud-native application development
- ✓ Integrating SAP BTP CAPM with other SAP services (HANA Cloud, SAP AI)

Module 2: Cloud Application Development

- ✓ Building cloud applications with SAP BTP CAPM
- ✓ Understanding microservices architecture in the cloud
- ✓ RESTful APIs and OData services for cloud app development
- ✓ Integration of SAP Cloud Application Programming with databases and services

Module 3: Data Management with SAP BTP

- ✓ Managing business data and services using SAP BTP
- ✓ Using SAP HANA Cloud for efficient data storage and management
- ✓ SAP CAP (Cloud Application Programming) for data modeling and transformation
- ✓ Event-driven architecture for cloud applications

Module 4: Integration of SAP Fiori & UI5

- ✓ Introduction to SAP Fiori for cloud-based apps
- ✓ Developing modern user interfaces with SAP UI5
- ✓ SAP Fiori design principles and best practices for cloud applications
- ✓ Connecting cloud apps with SAP Fiori to provide real-time user experiences

Module 5: SAP Cloud Foundry & Cloud Native Application Development

- ✓ Introduction to Cloud Foundry for SAP cloud applications
- ✓ Deploying and managing cloud-native apps in SAP BTP

- ✓ Creating and deploying services in SAP Cloud Foundry
- ✓ Continuous Integration/Continuous Deployment (CI/CD) in cloud environments

Module 6: Cloud Security & Best Practices

- ✓ Implementing cloud application security in SAP BTP
- ✓ Authentication and authorization using SAP Identity Authentication Services (IAS)
- ✓ Best practices for cloud-native application development in SAP BTP
- ✓ Securing APIs and data in cloud environments

Module 7: Microservices in SAP BTP

- ✓ Building and deploying microservices in SAP BTP
- ✓ API management and consumption for microservices
- ✓ Event-driven architecture and workflows in SAP BTP
- ✓ Best practices for scalable and resilient cloud applications

Module 8: SAP BTP CAPM Deployment and Operations

- ✓ Managing the lifecycle of SAP BTP CAPM applications
- ✓ Deploying cloud applications to SAP BTP environments
- ✓ Monitoring and troubleshooting cloud applications
- ✓ Performance tuning for SAP cloud applications

Module 9: Hands-On Practice & Case Studies

- ✓ Real-world projects and case studies on SAP BTP cloud app development
- ✓ End-to-end scenario involving SAP Cloud Application Programming, data management, and deployment
- ✓ Simulated exercises for building and deploying SAP Fiori and UI5-based cloud apps
- ✓ Practice sessions on SAP BTP environment