

SAP SAC Custom Widgets Training

COURSE CONTENT

GET IN TOUCH



Multisoft Systems
B - 125, Sector - 2, Noida



(+91) 9810-306-956



info@multisoftsystems.com



www.multisoftsystems.com

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

SAP SAC Custom Widgets Training by Multisoft Systems is designed to help professionals master the development and integration of custom widgets within SAP Analytics Cloud environments. The course focuses on extending SAP Analytics Cloud capabilities through interactive and reusable widgets that enhance dashboard functionality, data visualization, and user experience.

Module 1: Introduction to SAP Analytics Cloud (SAC)

- ✓ Overview of SAP Analytics Cloud
- ✓ SAC architecture and components
- ✓ SAC stories, dashboards, and analytic applications
- ✓ Introduction to SAC customization capabilities
- ✓ Understanding SAC extensibility framework
- ✓ Business use cases of SAC custom widgets

Module 2: Fundamentals of Custom Widget Development

- ✓ Introduction to SAC Custom Widgets
- ✓ Widget lifecycle and architecture
- ✓ Understanding widget metadata and manifest files
- ✓ Widget development workflow
- ✓ Custom widget structure and packaging
- ✓ SAC widget standards and best practices

Module 3: HTML, CSS, and JavaScript Essentials

- ✓ HTML fundamentals for widget UI
- ✓ CSS styling and responsive layouts
- ✓ JavaScript basics for SAC widgets
- ✓ DOM manipulation techniques
- ✓ Event handling concepts
- ✓ Working with reusable UI components

Module 4: SAC Custom Widget APIs

- ✓ Introduction to SAC Widget APIs
- ✓ Widget initialization methods
- ✓ Data binding concepts
- ✓ Event APIs and communication handling

- ✓ Input and output parameter handling
- ✓ Widget state management

Module 5: Building Interactive Custom Widgets

- ✓ Creating KPI widgets
- ✓ Developing custom charts and graphs
- ✓ Dynamic filtering widgets
- ✓ Navigation and action widgets
- ✓ Interactive dashboard components
- ✓ User interaction techniques

Module 6: Data Integration and API Connectivity

- ✓ Connecting SAC widgets with data sources
- ✓ REST API integration concepts
- ✓ External library integration
- ✓ Handling JSON data
- ✓ Real-time data interaction
- ✓ Third-party visualization integrations

Module 7: Advanced Scripting and Event Handling

- ✓ Advanced JavaScript techniques
- ✓ Widget communication methods
- ✓ Event-driven widget behavior
- ✓ Handling custom events in SAC
- ✓ Dynamic content rendering
- ✓ Performance optimization techniques

Module 8: Responsive UI and Visualization Design

- ✓ Designing responsive widget interfaces

- ✓ UI/UX best practices for SAC dashboards
- ✓ Visualization enhancement methods
- ✓ Theme customization techniques
- ✓ Mobile-friendly widget design
- ✓ Accessibility considerations

Module 9: Deployment and Widget Integration

- ✓ Packaging custom widgets
- ✓ Widget deployment methods
- ✓ Importing widgets into SAC
- ✓ Version management
- ✓ Troubleshooting deployment issues
- ✓ Testing and debugging techniques

Module 10: Security and Performance Optimization

- ✓ Security best practices for widgets
- ✓ Managing authentication and access
- ✓ Secure API integration
- ✓ Performance tuning methods
- ✓ Reducing widget load time
- ✓ Optimizing enterprise dashboard performance

Module 11: Real-Time Projects and Use Cases

- ✓ Enterprise dashboard customization project
- ✓ Interactive KPI reporting project
- ✓ API-based custom visualization project
- ✓ Business analytics implementation scenarios
- ✓ Industry-specific SAC widget use cases
- ✓ End-to-end custom widget development

Module 12: Best Practices and Future Enhancements

- ✓ Widget development standards
- ✓ Reusable component strategies
- ✓ Maintenance and scalability techniques
- ✓ Future trends in SAC customization
- ✓ SAP SAC roadmap overview