



NEXT

IT CAREER

• moving minds to right place •



SAP CPI Online Training



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About Next IT Career

Next IT Career Best Software Coaching Center in Hyderabad Corporate training is a function of human resource management that aims to provide the organization's employees with the knowledge and skills required to be successful. In turn, the growth of employees also contributes to the success of the business. In recent years, its also seen as a long-term strategic assignment rather than a cost center for the organization. The majority of companies have embraced 'continual learning' in it to promote employee growth both professionally and personally and acquire a highly skilled workforce as a result.



Corporate Training



Classroom Training



Online Training

Why Choose Us?



**Training by
Certified Instructors**



Weekly Assignments



Project Training



Resume Preparation



Mock Interviews



**Interview cracking
tips**

SAP Cloud Integration (CPI) Course

What is SAP?

SAP is the world's leading Enterprise Resource Planning (ERP) software company. It powers core business functions across Finance, HR, Supply Chain, Sales, Procurement and more — all in one connected system.

What is SAP CPI?

SAP CPI (Cloud Platform Integration) is a cloud-based integration service from SAP. It connects SAP and non-SAP systems, enabling seamless real-time data exchange. It provides secure, reliable, and scalable integration for enterprise applications.

Why Learn SAP CPI?

SAP CPI is a high-demand skill that opens doors to cloud integration roles. It offers strong career opportunities, competitive salaries, and specialized expertise. It is ideal for IT professionals, SAP consultants, developers, and technical consultants.

Complete Course Curriculum

1. SAP & CPI Introduction
2. XML, XPath, XSLT & XSD
3. Adapters
4. Palette / I flow Functions
5. SuccessFactors Integrations
6. Error Handling & Retry
7. Integration Patterns
8. End-to-End Projects

Adapters — Complete Coverage

- HTTP Adapter
- SFTP Adapter
- SOAP Adapter
- OData Adapter
- Success Factors Adapter
- JMS Adapter
- Mail Adapter
- Process Direct Adapter

Palette Functions — Transformation & Routing

- Transformation
 1. Content Modifier
 2. Filter
 3. Message Digest
 4. XML Modifier
 5. Encoder / Decoder
 6. Converters
- Routing
 1. Router
 2. Splitter
 3. Multicast
 4. Join & Gather
 5. Aggregator

Palette Functions — Mapping, Scripting, Security & Calls

- Mapping
 - 1. Message Mapping
 - 2. XSLT Mapping
- Groovy Scripting
 - 1. Script Step
 - 2. UDF in Message Mapping
- Persistence
 - 1. Write Variables
 - 2. Data Store Operations
 - 3. Persist
- Security
 - 1. PGP Encryptor
 - 2. PGP Decryptor
- Call — External & Local

Integration Patterns We Cover

- Point-to-Point
- Splitter & Aggregator
- Hub Advanced -and-Spoke
- Content-Based Routing
- Pub / Sub (JMS)
- Idempotent Receiver

What You'll Build – Real-World SuccessFactors Integrations

Employee Central (EC)

- New Hire → S/4HANA Employee Replication
- Employee Data → Third-Party System Sync
- Organization Changes → OData Integration
- Termination Events → Automated Notifications
- Employee Data → Delta Load Integration
- Leave Balance → Payroll System Integration

Employee Central Payroll (ECP)

- Payroll Posting → SAP Finance
- Cost Center Assignment → SOAP Integration
- Payslip Delivery → Email Integration
- Bank Account Changes → Payroll Validation
- Off-Cycle Payroll → HTTP Integration
- ECP → Third-Party Benefits System via SFTP

Integration Technologies Covered

- SuccessFactors
- OData
- SOAP
- SFTP
- HTTP
- Mail

- Process Direct
- JMS

SuccessFactors Integration Scenarios – Part 1

- Integration Center
 - Build no-code/low-code SuccessFactors integrations
 - Connect SuccessFactors with external systems
 - Configure SuccessFactors → S/4HANA replication flows
 - Understand Integration Center triggers with SAP CPI
 - Learn when to use Integration Center vs. CPI
- Execution Manager & Monitoring
 - Monitor Integration Center jobs and execution logs
 - Identify failed records and troubleshoot root causes
 - Track Integration Center and CPI message IDs
 - Re-trigger failed integration runs
 - Apply best practices for production monitoring

Hands-On Learning

- Work on a live SAP SuccessFactors Demo Tenant
- Build and configure real-world integration scenarios
- Practice integration monitoring and troubleshooting
- Gain practical experience with Integration Center and SAP CPI

SuccessFactors Integration Scenarios – Part 2

- SF OData Integration
 - Read Employee Central data using OData
 - Create and update SF entities using PATCH and POST
 - Handle pagination for large datasets
 - Implement OData delta tokens for incremental data loads
- SF SOAP – Compound Employee API
 - Work with the Compound Employee API and multiple mapped fields
 - Build SOAP requests using Groovy/XSLT
 - Parse complex Compound Employee XML responses
 - Map SuccessFactors data to target systems
- Delta Handling – Compound Employee
 - Fetch only changed employee records using delta parameters
 - Store last-run timestamps for delta processing
 - Implement targeted employee delta pulls
 - Handle empty delta responses efficiently
- Delta Handling – OData
 - Filter records using last Modified Date and Time
 - Generate dynamic filter dates using Groovy
 - Store and retrieve last-run dates using Data Store
 - Build idempotent integrations to prevent duplicate records

UPSERT with OData – Insert or Update Automatically

- Understand UPSERT
- Update existing records or insert new records automatically
- Learn why UPSERT is important for SuccessFactors OData integrations
- UPSERT Process
- Receive employee data from SuccessFactors EC/ECP
- Check whether the record already exists
- Route the flow based on record availability
- Use OData PATCH for existing records
- Use OData POST for new records
- What You'll Learn
- Understand PATCH vs PUT update methods
- Handle HTTP 200/201 responses
- Build router-based UPSERT flows in SAP CPI
- Use Success Factors native \$upsert functionality
- Design idempotent integrations to prevent duplicates
- Handle OData 4xx and 5xx errors

Hands-On Practice

Work with a live SuccessFactors OData endpoint using both GET-check-then-branch and native \$upsert methods.

Ready to Start Your CPI Journey?

- Flexible Learning
 - Online training
 - Live + recorded sessions
- Hands-On Training
 - Access to a real SAP CPI tenant
 - Practice with real-world integration scenarios
- Practical Projects
 - Build real SAP CPI integration flows
 - Gain production-oriented experience
- Weekly Assignments
 - Regular practical assignments
 - Strengthen your integration skills

Course Benefits

- End-to-end SuccessFactors integration training
- Interview guidance and mock interviews
- Resume preparation and Naukri profile optimization
- Hands-on experience with real SAP CPI projects

Our Other Courses

Trending Software Testing courses

Playwright Automation 

Selenium Automation 

Tocsa 

ETL Testing 

Performance Testing 

API Testing 

Load runner 

J-meter 

Neo load 

Manual Testing 

Most Trending Courses

Data Science 

Data Analytics 

Scrum Master 

Most Demand Courses

AWS DevOps 

Azure DevOps 

Power BI 

Java Full Stack 

Python Full Stack 

Cyber Security 

Our Recruitment Partners



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Our Infrastructure

