SAP Java Process Integration

THE AIM OF THE COURSE

This course is suitable for:

- Application Consultant
- Developer
- Development Consultant
- Enterprise Architect
- Project Manager
- Solution Architect
- Super/Key/Power User
- System Administrator
- System Architect
- Technology Consultant

THE BENEFITS RESULTING FROM THE TRAINING COMPLETION

- This course will prepare you to:
    - Explain the use of SAP Process Integration and the path to SAP Process Orchestration (AEX, BPM and BRM)
    - Explain SAP Process Integration architecture
    - Configure JAVA scenarios
    - Explain Mapping concepts
    - Configure different options to connect a back-end system to the SAP Process Integration JAVA.

EXPECTED PREPARATION FROM STUDENTS

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ALTKOM AKADEMIA

AGENDA SPOTKANIA

Classroom

- SAP Process Integration Architecture
  - Explain the Enterprise Service Bus
  - Explain SAP Process Integration architecture
  - Navigate to the Enterprise Services Repository (ESR)
  - Navigate to the Integration Builder
  - Configure the Integration Designer in Eclipse
  - Explain SAP Process Orchestration and the Advanced Adapter Engine (AEX)
- The System Landscape Directory (SLD)
  - Use product and software component terminology
  - Create products and software components in the System Landscape Directory (SLD)
  - Import software components from the System Landscape Directory (SLD) into the Enterprise Service Repository (ESR)
  - Implement technical systems in the System Landscape Directory (SLD)
  - Maintain the SAP NetWeaver Application Server for Java and ABAP in the System Landscape Directory (SLD)
  - Create third-party technical systems in the System Landscape Directory (SLD)
  - Maintain Business Systems in the System Landscape Directory (SLD)
  - Import a business system into the SLD
- Interface Objects in the Enterprise Service Repository (ESR)
  - Use the Enterprise Services Browser in SAP Integration Designer Perspective in Eclipse
  - Access the ESR objects
  - Search the ESR objects
  - Display data types
  - Create message types
  - Create interface objects
  - Import interface objects into the ESR
  - Define the QoS and message processing types
- Object Mapping in the Enterprise Service Repository (ESR)
  - Display a message mapping
  - Create message mappings
  - Create an operation mapping in the ESR
- Configuration of Integration Directory (ID) Communication Objects
  - Explain configuration views
  - Create a communication channel
- Configuration of Integration Directory Objects for Advanced Adapter Engine Extended Processing
  - Create an AEX integration flow
  - Validate XML
- SAP Process Integration Operations
  - Access SAP Process Integration Monitoring
  - Use the SAP NetWeaver Administrator functionality
  - Explain the difference between logging and staging
  - Configure the logging and staging behavior
- Connectivity Options for SAP Process Integration
  - Use different adapters
- HTTP Connectivity Options
  - Use the HTTP_AAE (Java) adapter
  - Configure the SOAP sender adapter
  - Configure the SOAP receiver adapter

- Use the proxy configuration
- Use the server proxy
- Use the client proxy
- Analyze the proxy configuration
- Use web services
- Create a web service based on proxy technology
- File Adapter Configuration
  - Configure the receiver File/FTP adapter
  - Configure the sender file adapter
- Intermediate Document (IDoc) Connectivity Options
  - List the benefits of the IDOC_AAE
  - Use the functionality options on the Remote Function Call (RFC) parameters tab
  - Use the Intermediate Document (IDoc) functionality options on the modules tab
  - Use the functionality options of the advanced tab
  - Configure the receiver IDoc_AAE adapter
- Configuration of SAP Business Application Programming Interfaces (BAPI Connectivity
  - Check RFC signatures
  - Configure the receiver RFC adapter
  - Configure the sender RFC scenario in SAP Process Integration
  - Execute communication through the sender RFC adapter
- Other Connectivity Options
  - Explain other connectivity options
  - Use the REST adapter
  - Expose a function module as RESTful service
  - Consume a synchronous RESTful service
- Advanced Mapping Concepts
  - Explain message-mapping structures and elements
  - Explain queues in message mapping
  - Explain the impact of context selection and deletion
  - Use the message-mapping debug process
  - Create user-defined message-mapping functions
  - Map multiple messages
  - Import and use XSLT mappings

Training name	SAP/BIT500 / Std
Duration	5 days
Level	Intermediate
Authorization	SAP