Using the IBM Integration Designer
(Unit 4)
IBM Business Process Manager V8.5 for z/OS:
'ZBPM8' Workshop
(Copies of this material in Techdoc PRSxxx)

Instructors: IBM Advanced Technical Skills
Lee-Win Tai tai@us.ibm.com
John Hutchinson hutchjm@us.ibm.com

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Topics

▪ Using IID
  • Install & Configure IID on your workstation
BPM Integration Configurations – Wildfire Class

Process Center:
WAS AppServer run time where Process Designer & Integration Designer share assets to develop business processes interactively.

Process Servers are WAS Servers with Business Integration Services

Team 1: 192.168.19.201 = wg31
Team 2: 192.168.19.202 = wg31
Team 3: 192.168.19.203 = wg31
Team 4: 192.168.19.204 = wg31
Team 5: 192.168.19.205 = wg31

Process Designer
PD = graphical tool to create business processes

Integration Designer
IID = graphical tool to configure business processes with resources like DB2, CICS (WID)

Deploy

Top-Down

Bottom-Up

Publish

Save

BPM Repository = DB2 Database Similar to BPM Database on z/OS 192.168.19.215

Perspectives:
- Business Integration
- Process Center
- Features: BOs, SCAs, BPEs, HTMs, Mediations, Rules, Data Interfaces

IBM Integration Designer (IID)

Work with:
- Process Apps and Toolkits
- Advanced Integration Service
- BPEL and Human Tasks
- Mediations
- Maps
- Adapters
Process Center – PD & IID

- The two authoring tools interact with the Process Center differently:
  - PD follows a tightly coupled model. The artifacts that it works with are stored directly in the BPM repository.
  - IID follows a loosely coupled push-pull model. The artifacts are pulled from the repository into the IIID workspace when requested.
Process Environment Interfaces

- BPC Explorer: host:port/bpc
- Process Admin: /ProcessAdmin
- Business Space & Portal: /portal
- Process Center: /ProcessCenter (on Linux)
- Process Designer (runs on workstation)
- Integration Designer (runs on Workstation)
IIID

Development Tools
Integration Designer V8.0
RAD v8.0.4
Eclipse v3.x

Runtime
Process Server V8.0
WebSphere ND v8.0.5

Based on a subset of Rational Application Developer (RAD)
Based on WebSphere Application Server ND v8.0.5

Programming Model

Composition
Data Invocation

Integration Developer (IID) is the authoring tool for WebSphere Process Server

WS-BPEL (Plus extensions)
Human Tasks

Service Component Architecture (SCA) (Plus extensions)

Service Data Objects (SDO) (Plus extensions)
Business Objects
Integration Designer and Process Center

- Integration service development, BPEL orchestrations, mediations
  - SCA modules and libraries
- Work is saved on the local workspace
- Artifacts tested on local unit test server
- Import process apps with Advanced integration services from the Process Center
- Implement advanced integration services
- Published implemented services to the Process Center
  - Constant active connection not required
- Implement BPEL human workflows

Integration Designer Layout
Define the Process Center and Process Server

- Import a process application in IID (1) and store in the local workspace
- When done with implementation, the PC repository is updated from local workspace (2)
- Local workspace can be refreshed from the PC to pick up changes made in PD (3)

Process Designer and Integration Designer

- Update Repository from Workspace
- Bring Changes to Workspace
- Direct to Repository
- Bring to Workspace
Centralized Governance on System z (Hybrid) Impact2013

Centralized repository
- One-click snapshots of reusable toolkits and apps

Centralized deployment
- One-click deployment and in flight upgrade

Centralized registry
- Single server registry and dashboard of deployments

IBM Business Process Management

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