Forget triggers and custom code - use Oracle Business Events with BPEL

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Innowave Technology

Agenda

- About Innowave
- Oracle Business Events
- Why Use Business Events?
- Triggers Vs Business Events
- Oracle Applications Adapter
- Pre-requisites
- Building an Interface - Demo
- Tips and Techniques
- Q&A

About Innowave

- Technology Consulting Firm founded in 2005
- Provide unique, innovative solutions using Oracle Applications and Technology
- Integration Experts: Fusion Middleware, SOA Suite, BPEL & Web services
- Implement, upgrade, and enhance Oracle E-Business Suite, JD Edwards, PeopleSoft, and Siebel Applications and related technologies
- Extensive experience and expertise managing global and local implementations across various industry verticals.
- Provide clients with proven methodologies, tools, and templates specifically tailored to their requirements.

Oracle Business Events

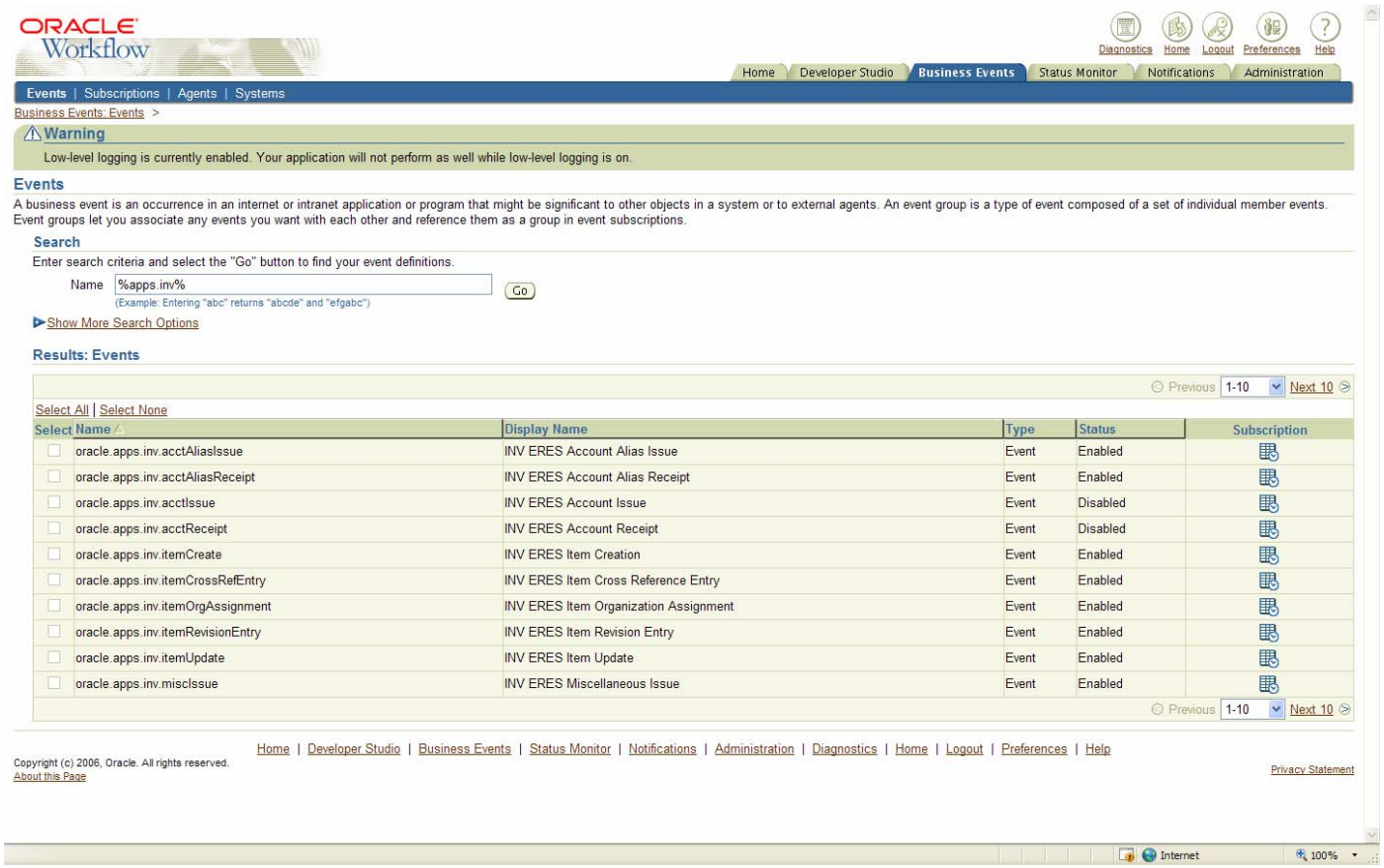
Oracle Business Events System

- A service delivered with Oracle Workflow.
- Leverages Oracle Advanced Queuing (AQ).
- Ability to extend and configure business logic.
- Asynchronous messaging without modifying standard application Code.
- Publish – Subscribe mechanism.

Oracle Business Events System

INNOWAVE TECHNOLOGY

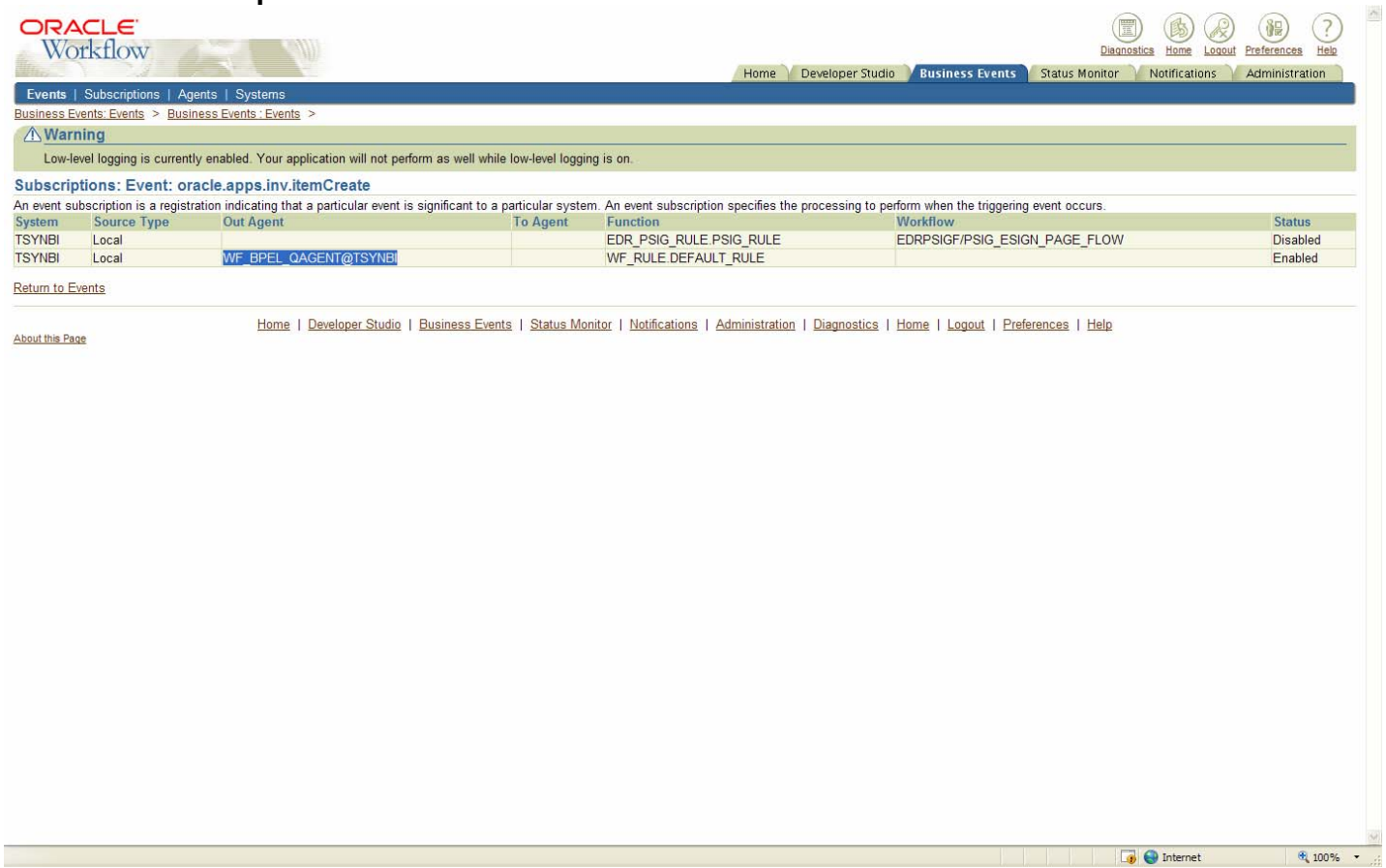
- Login as Administrator



Oracle Business Events System

INNOWAVE TECHNOLOGY

- BPEL Subscription.



Why Use Business Events?

Why Business Events?

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- Robustness
  - Guaranteed Delivery
- Scalability
  - Supports multiple Subscriptions
- Zero Coding
  - Out of the box functionality

Why Business Events?

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- Easier to manage
  - No Maintenance
- Oracle recommended
  - No Upgrade issues
  - No Customizations
  - Seeded Functionality

Triggers
Vs
Business Events

Triggers Vs Business Events

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Triggers

- Requires Coding
- Requires PL/SQL expertise
- Involves Maintenance

Business Events

- Zero Coding
- Minimal Setups
- Minimal Maintenance

BPEL
Oracle Applications Adapter

Oracle Applications Adapter

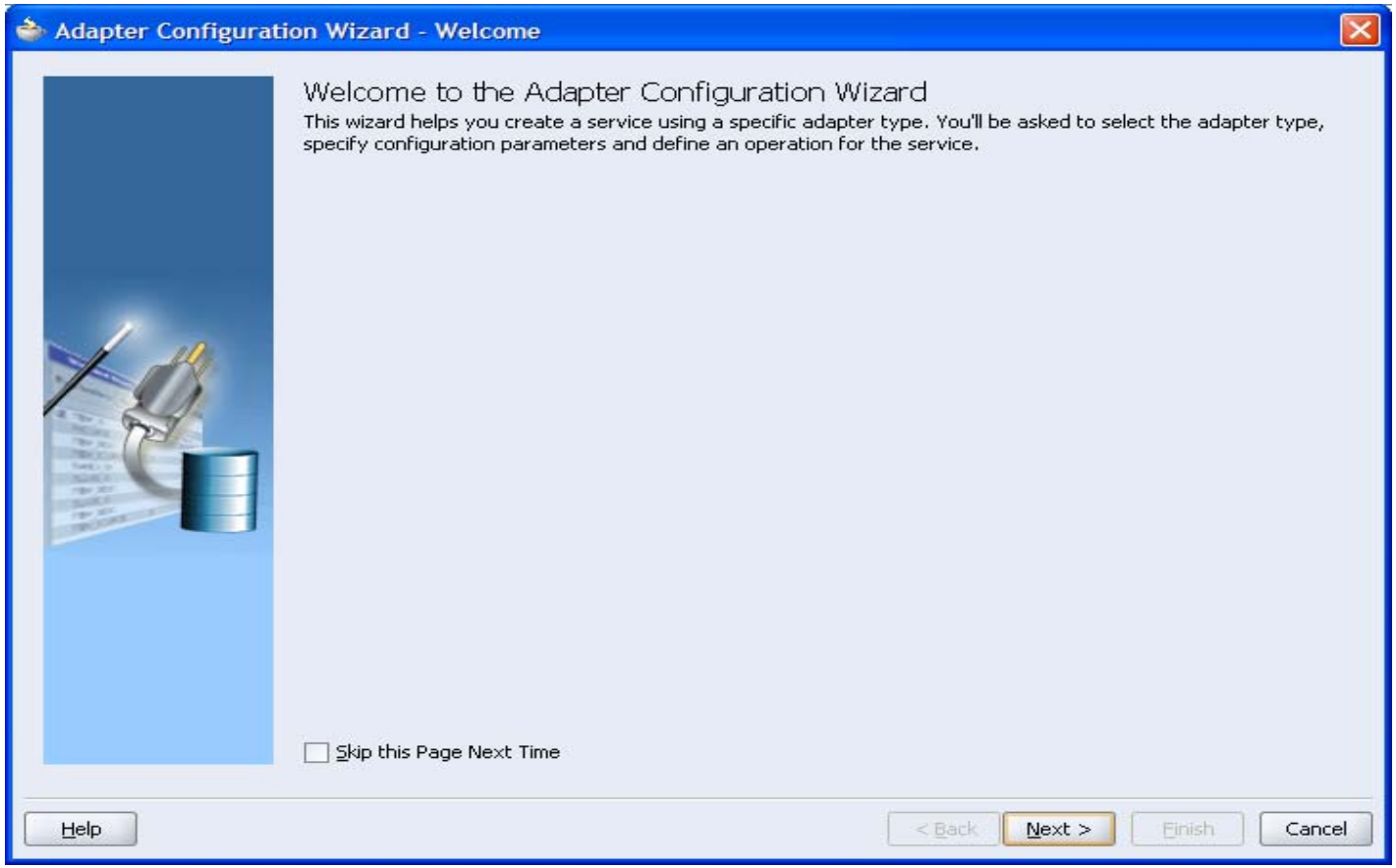
INNOWAVE TECHNOLOGY

- Available out of the box
- Supports Business Events
- Also supports CPs, APIs …..
- Wizard driven configuration
- Declarative setup

Oracle Applications Adapter

INNOWAVE TECHNOLOGY

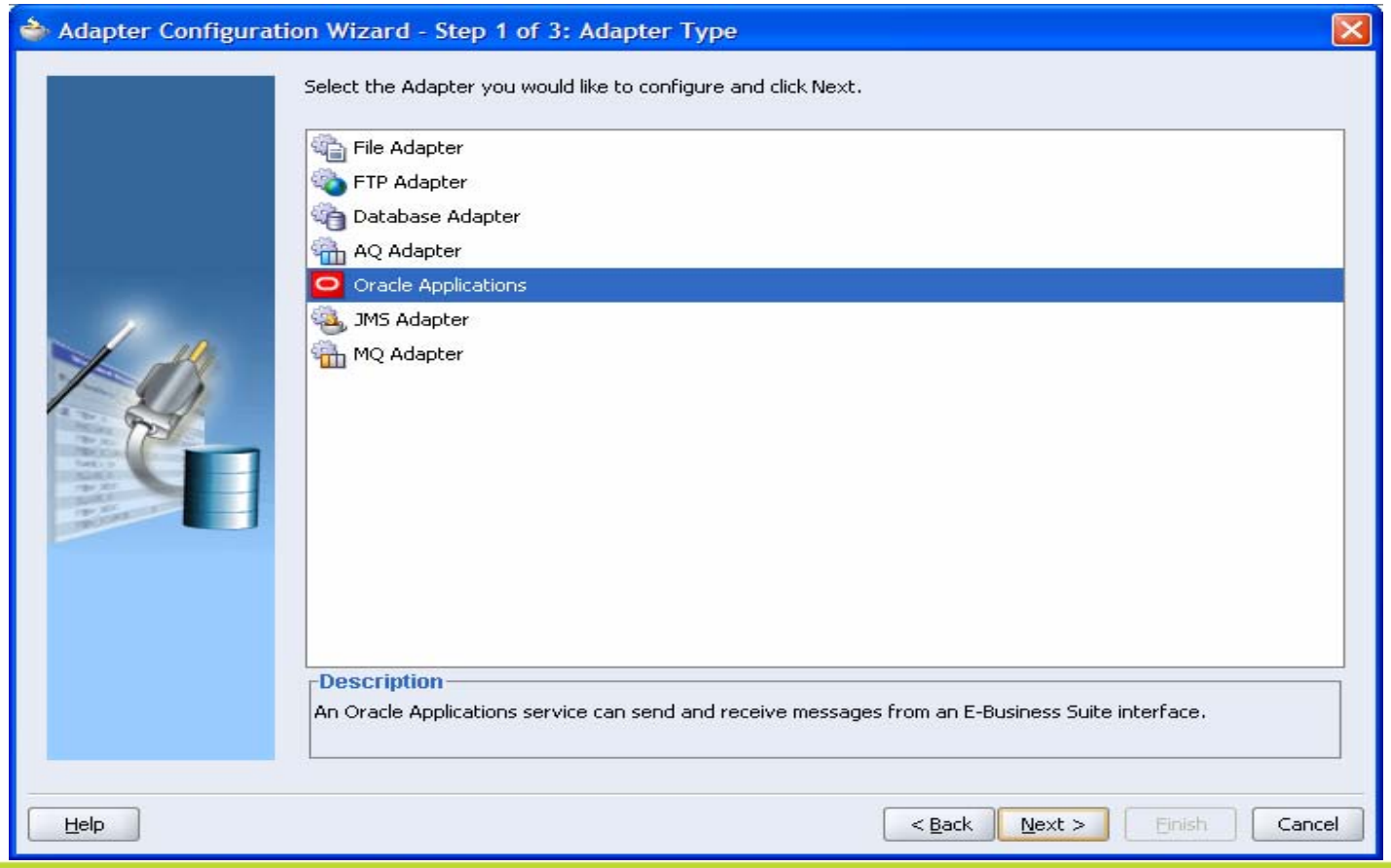
- Wizard driven configuration



Oracle Applications Adapter

INNOWAVE TECHNOLOGY

- Wizard driven configuration



Oracle Applications Adapter

INNOWAVE TECHNOLOGY

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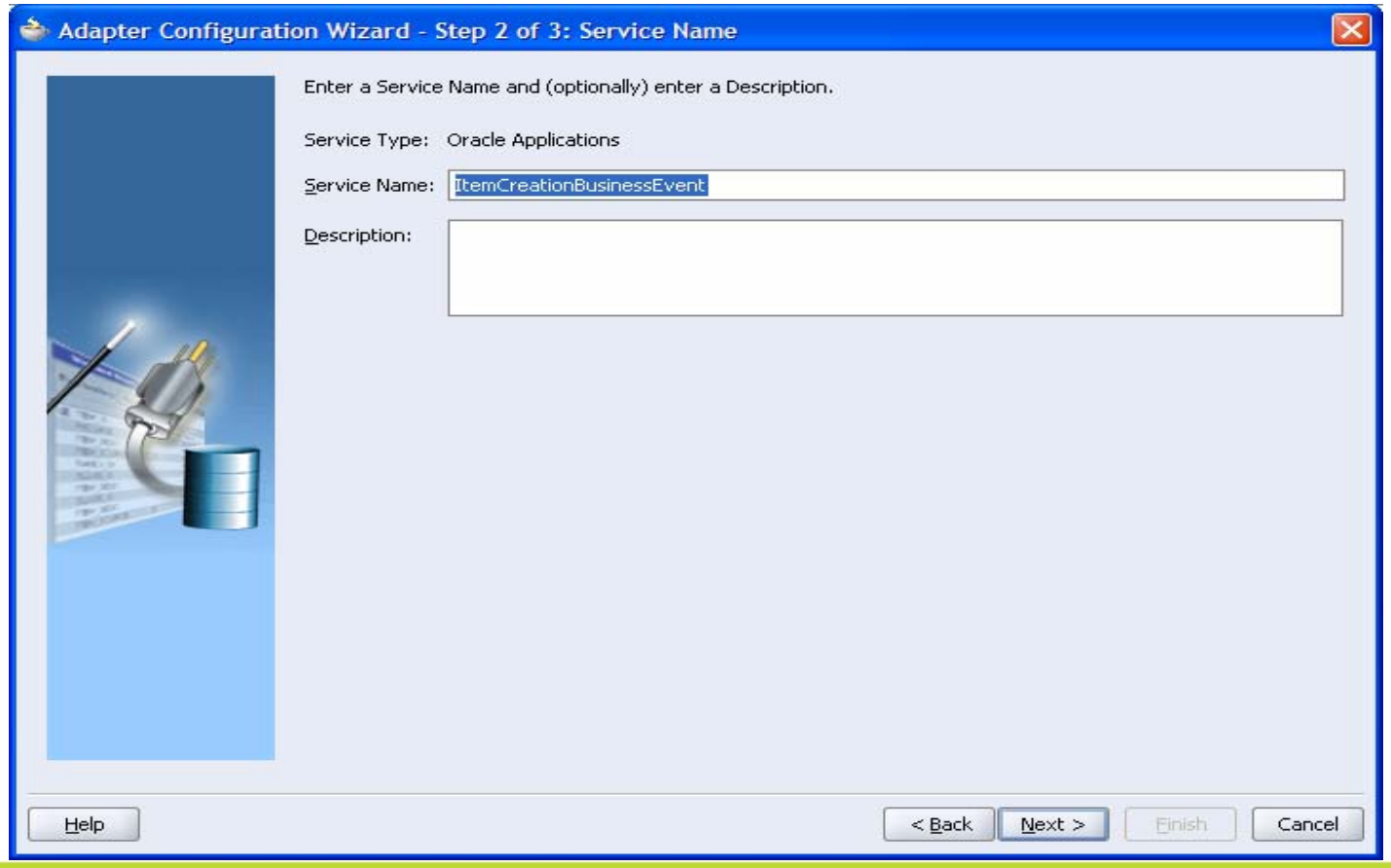

Oracle Applications Adapter

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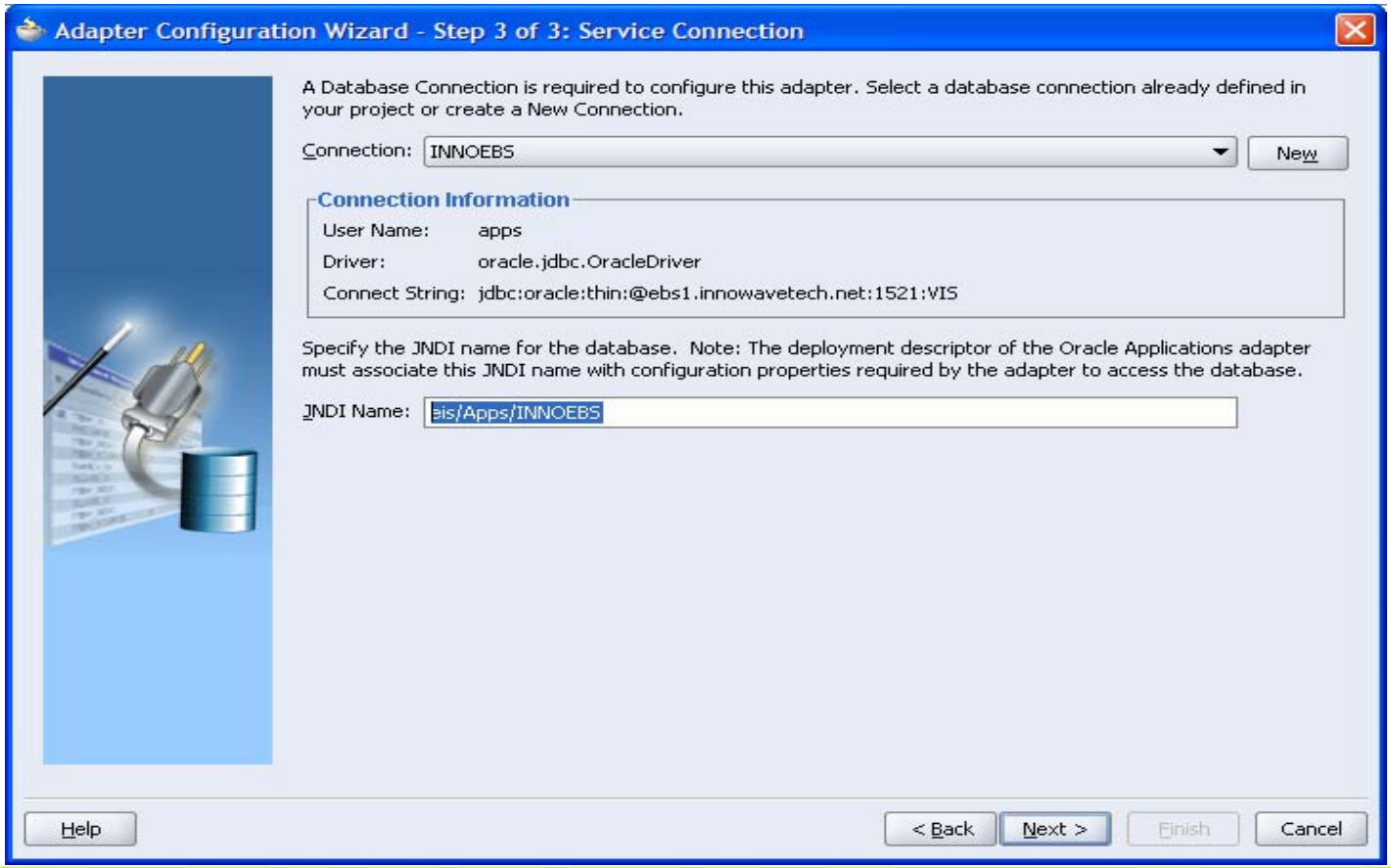

Oracle Applications Adapter

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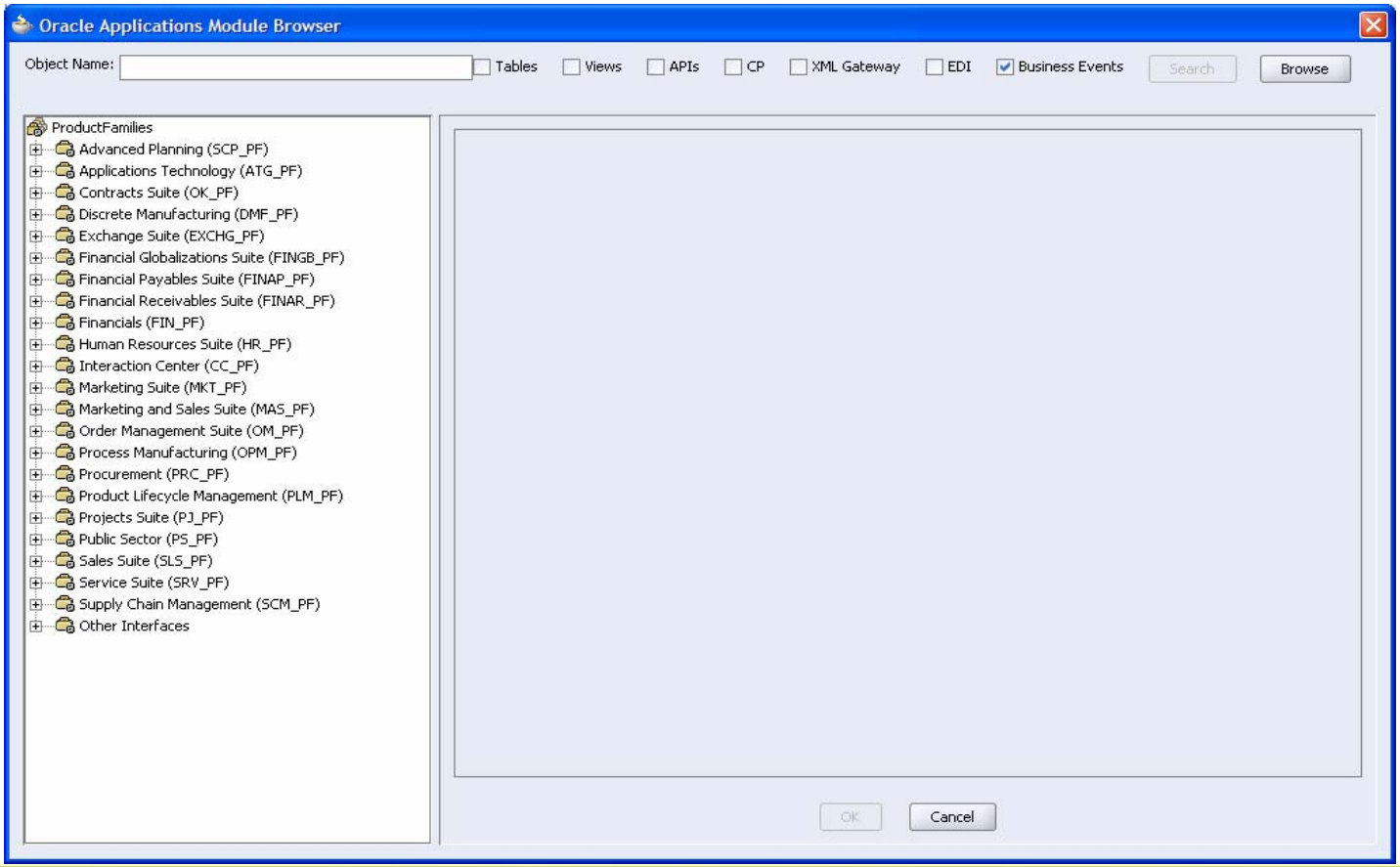

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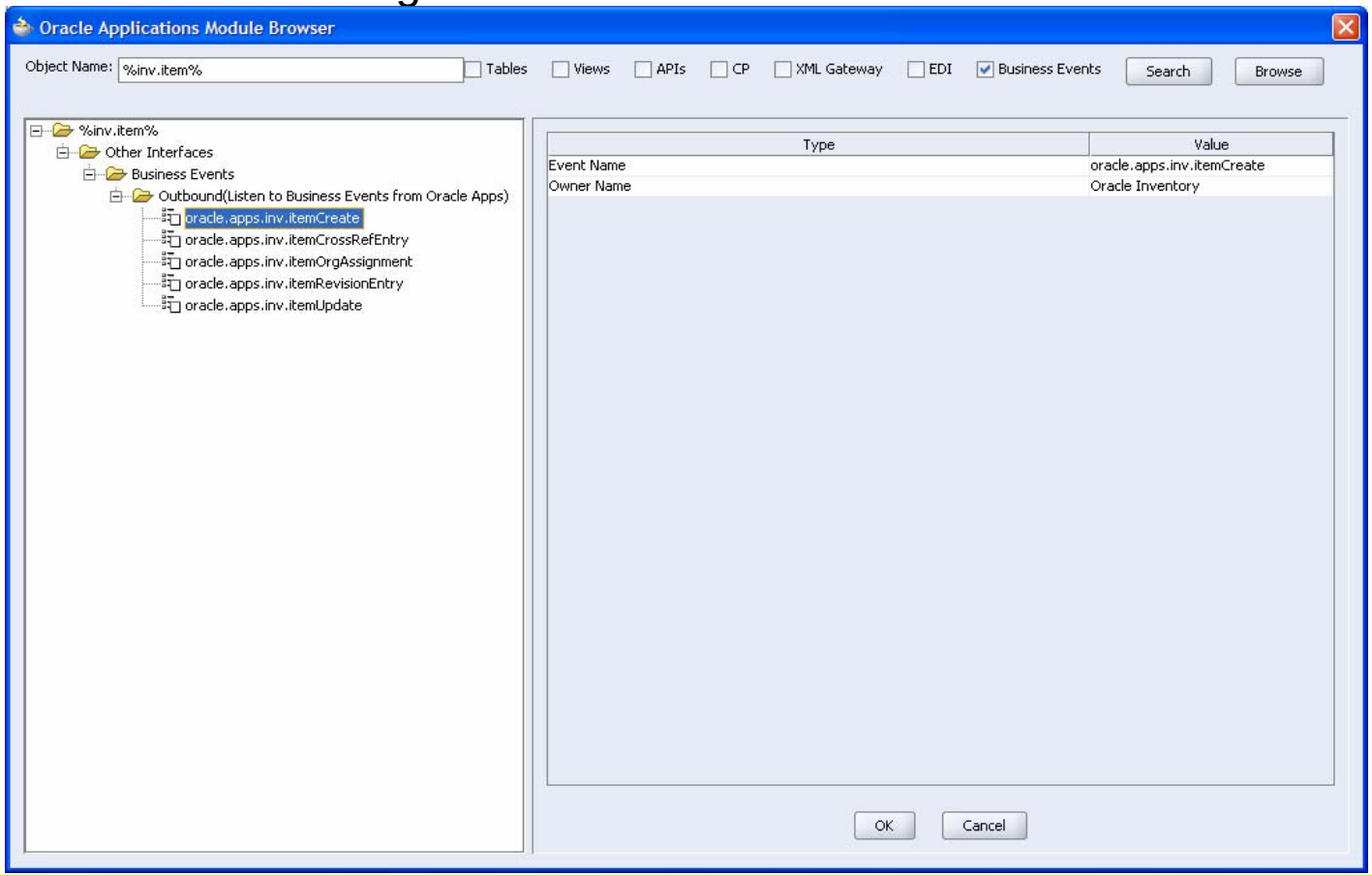

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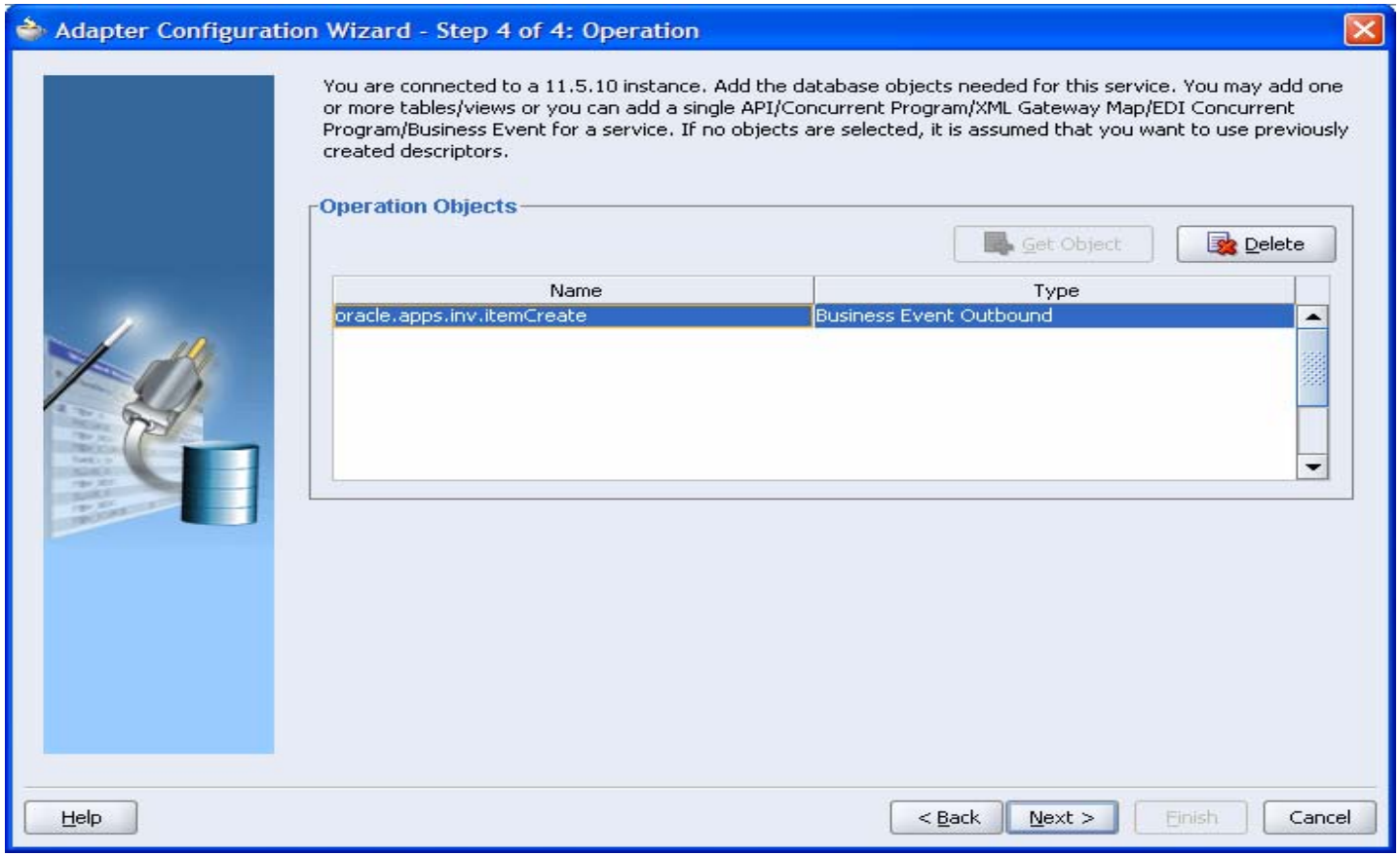

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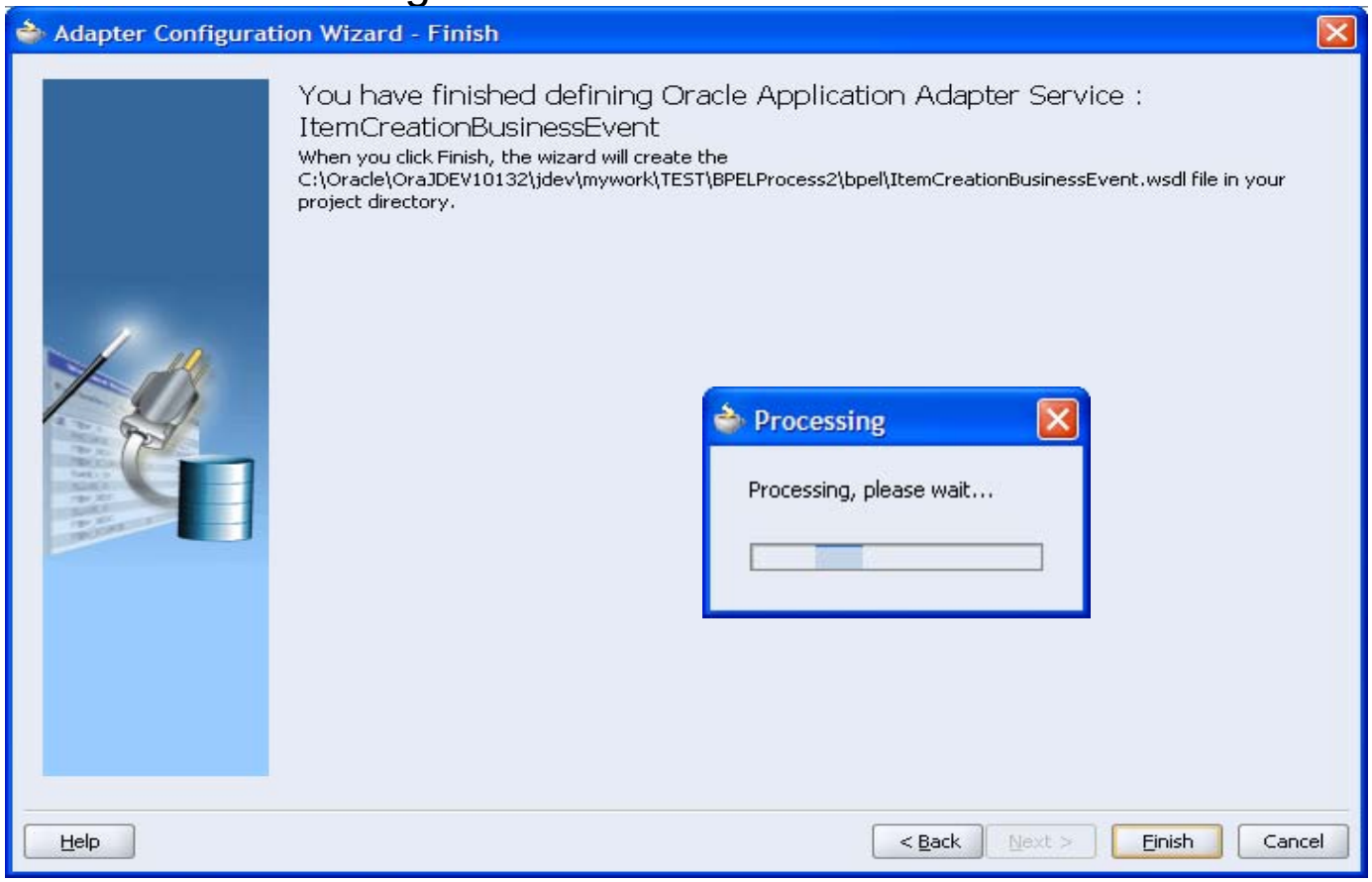

Oracle Applications Adapter

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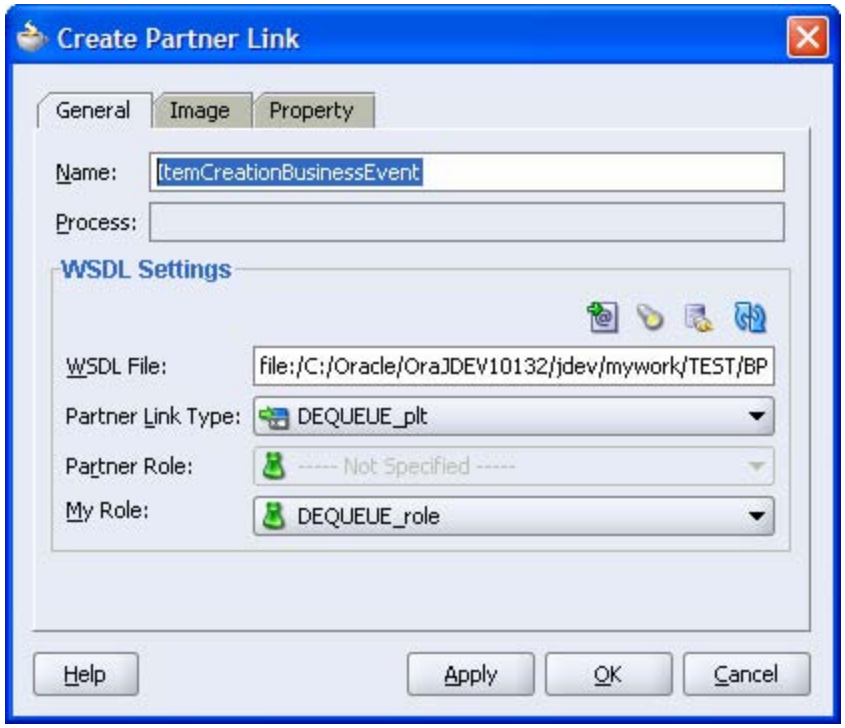

Pre-requisites

Pre-requisites

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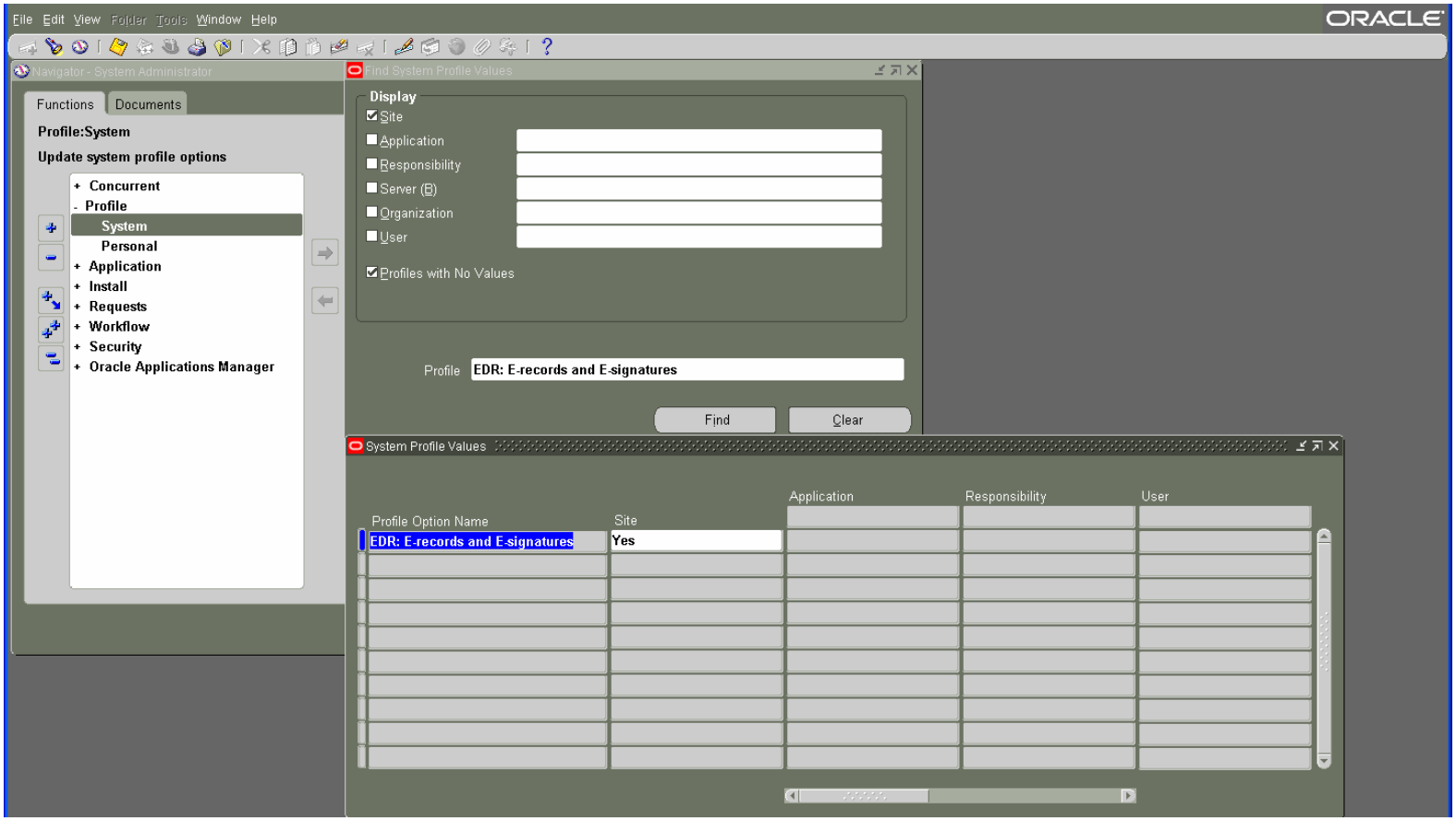
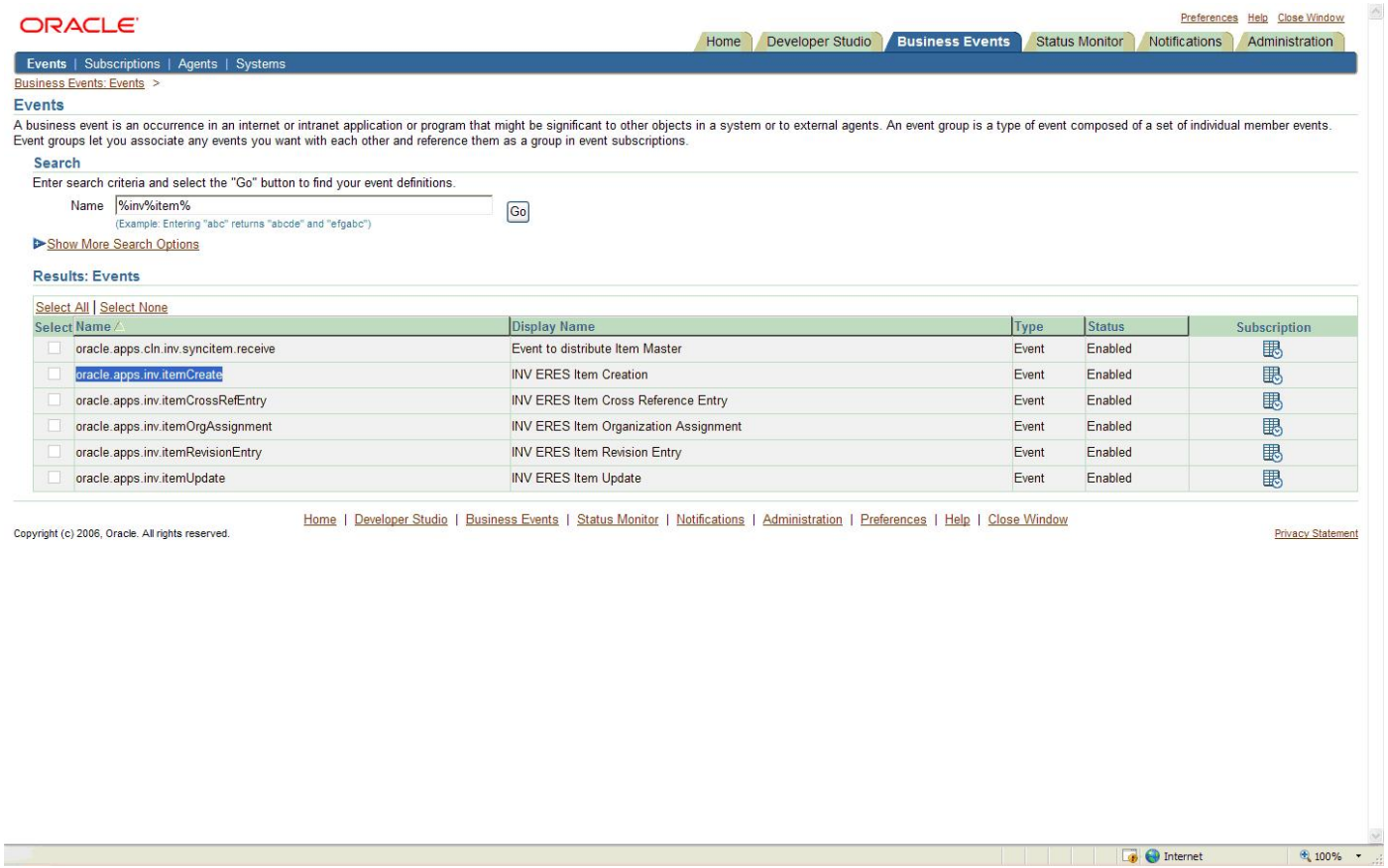
- System Profile Option – EDR:E-records and E-Signatures



Pre-requisites

- Enabling the Business Event



DEMO

Building an Interface

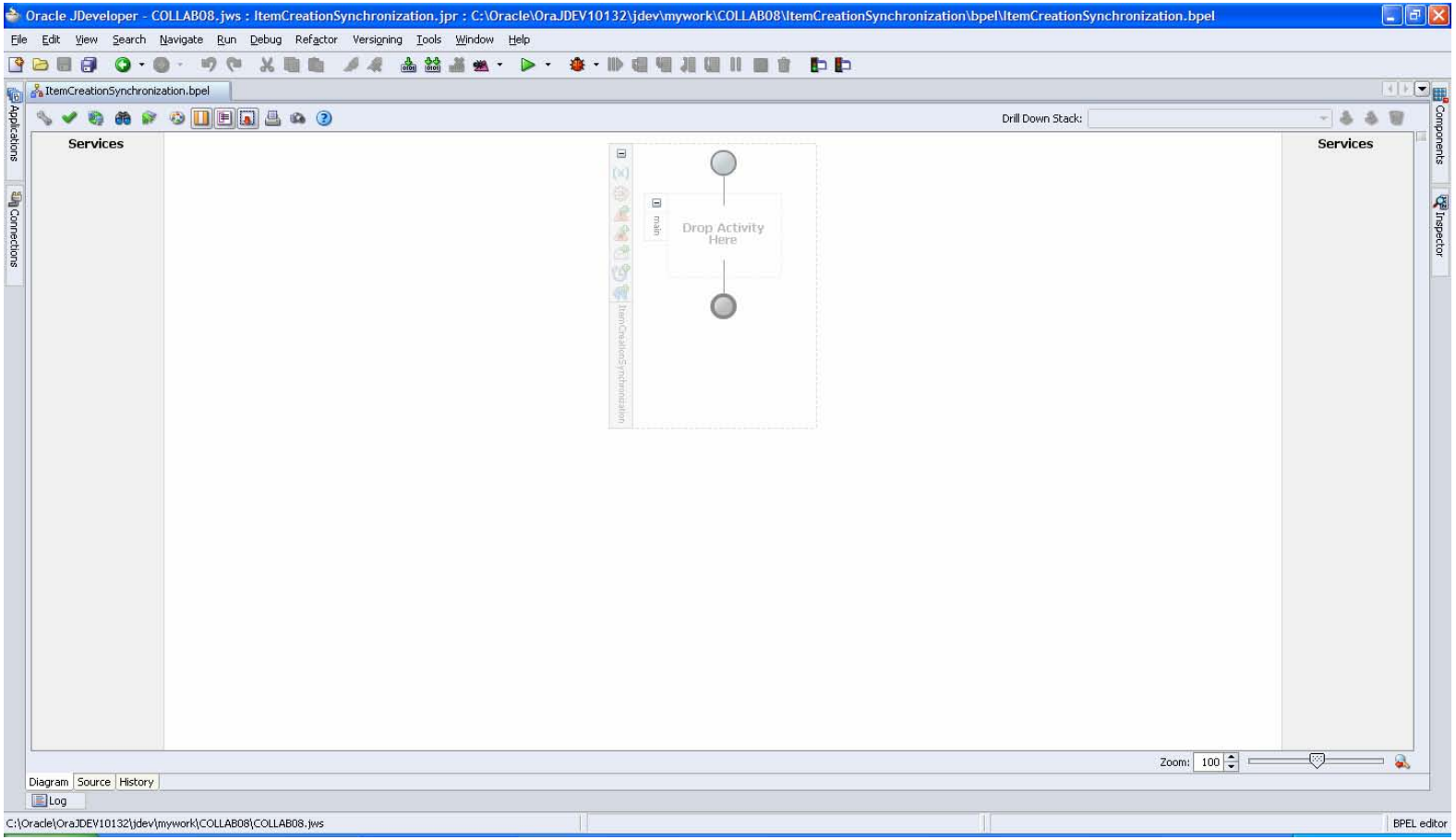
INNOWAVE TECHNOLOGY

- Inventory Item Synchronization
  - Build a BPEL Process
  - Deploy the BPEL Process
  - Create an Item in EBS
  - Interface Item information

Building an Interface

INNOWAVE TECHNOLOGY

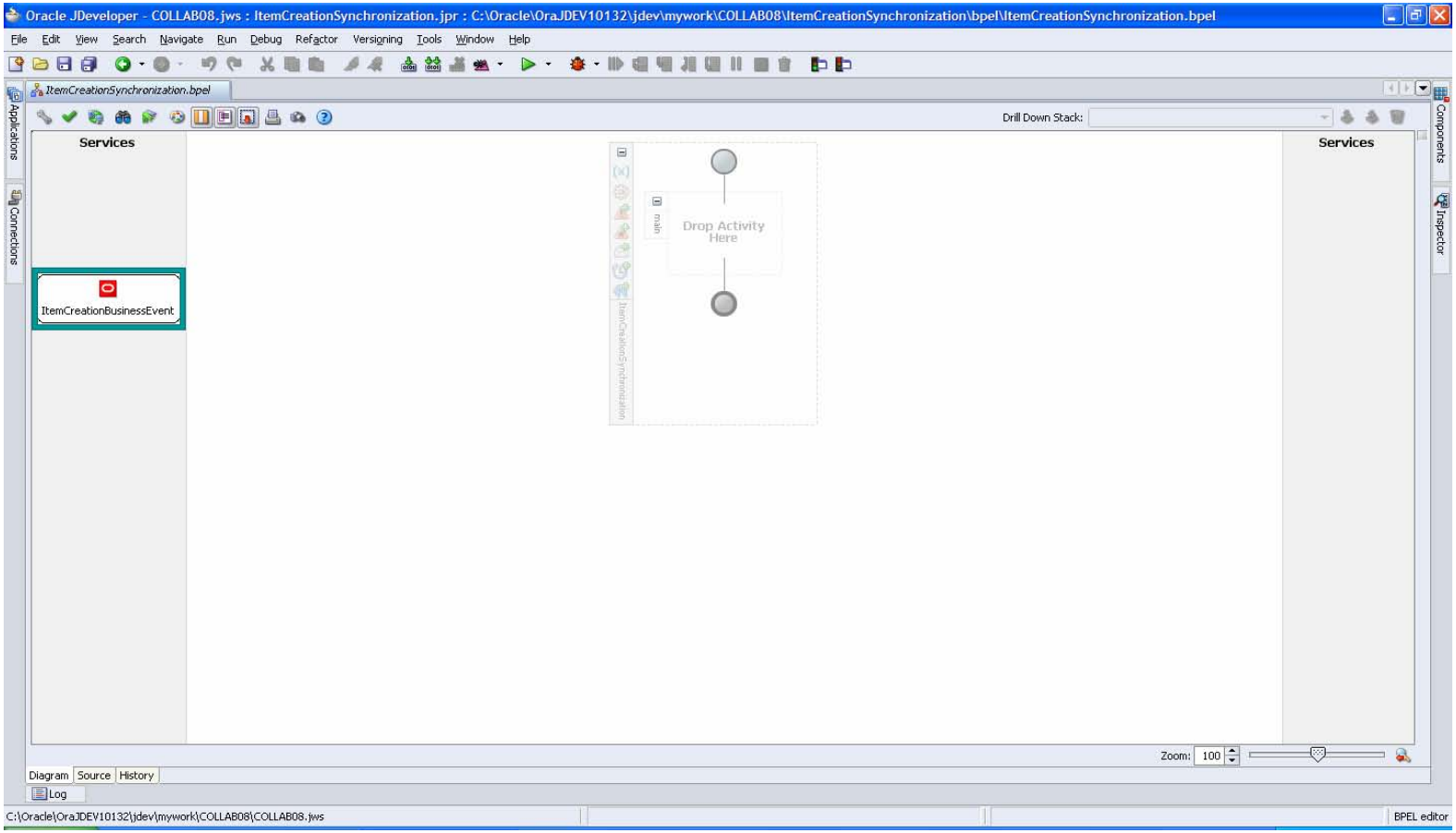
- Build an Empty BPEL Process



Building an Interface

INNOWAVE TECHNOLOGY

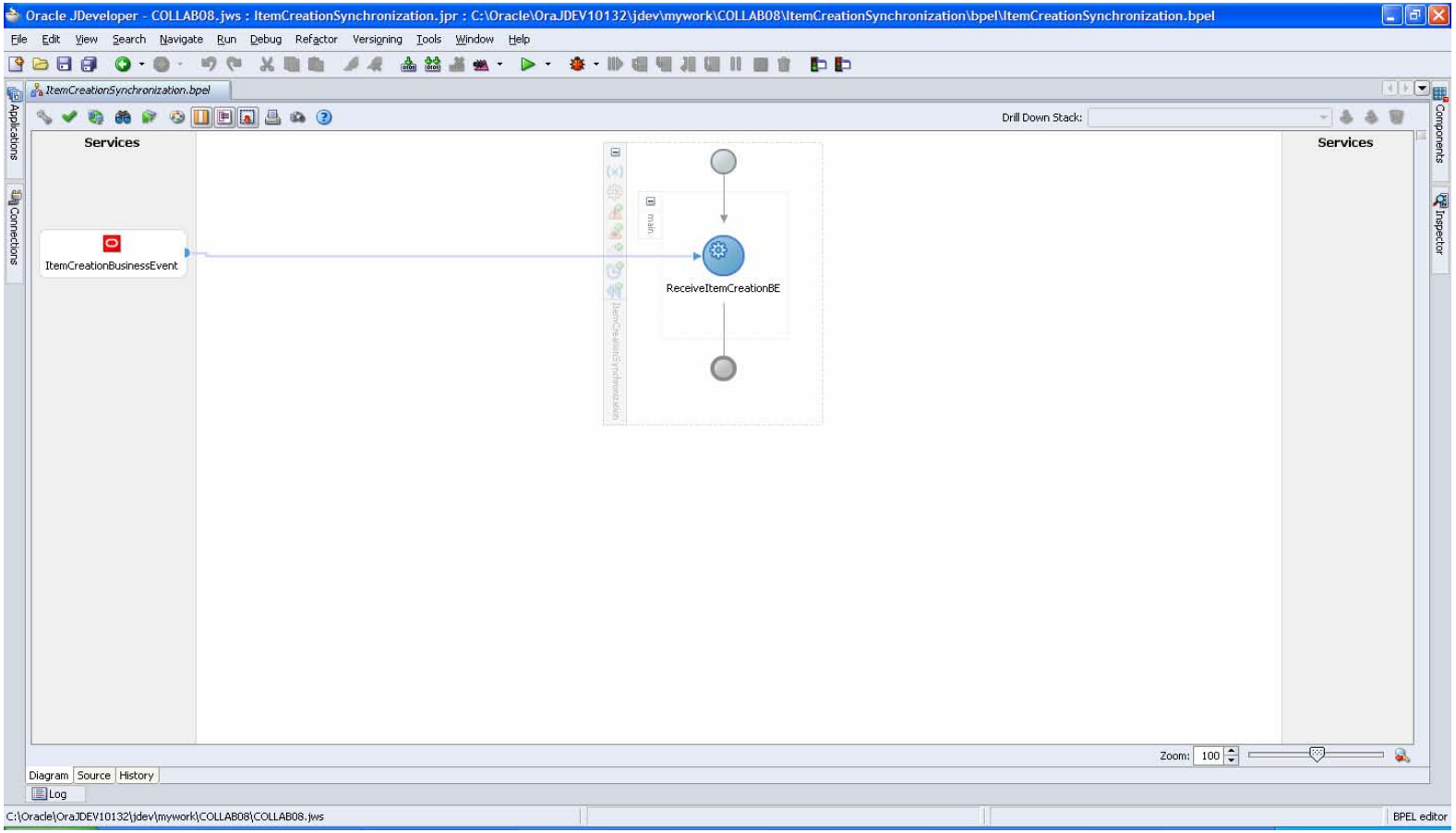
- Configure the Oracle Applications Adapter



Building an Interface

INNOWAVE TECHNOLOGY

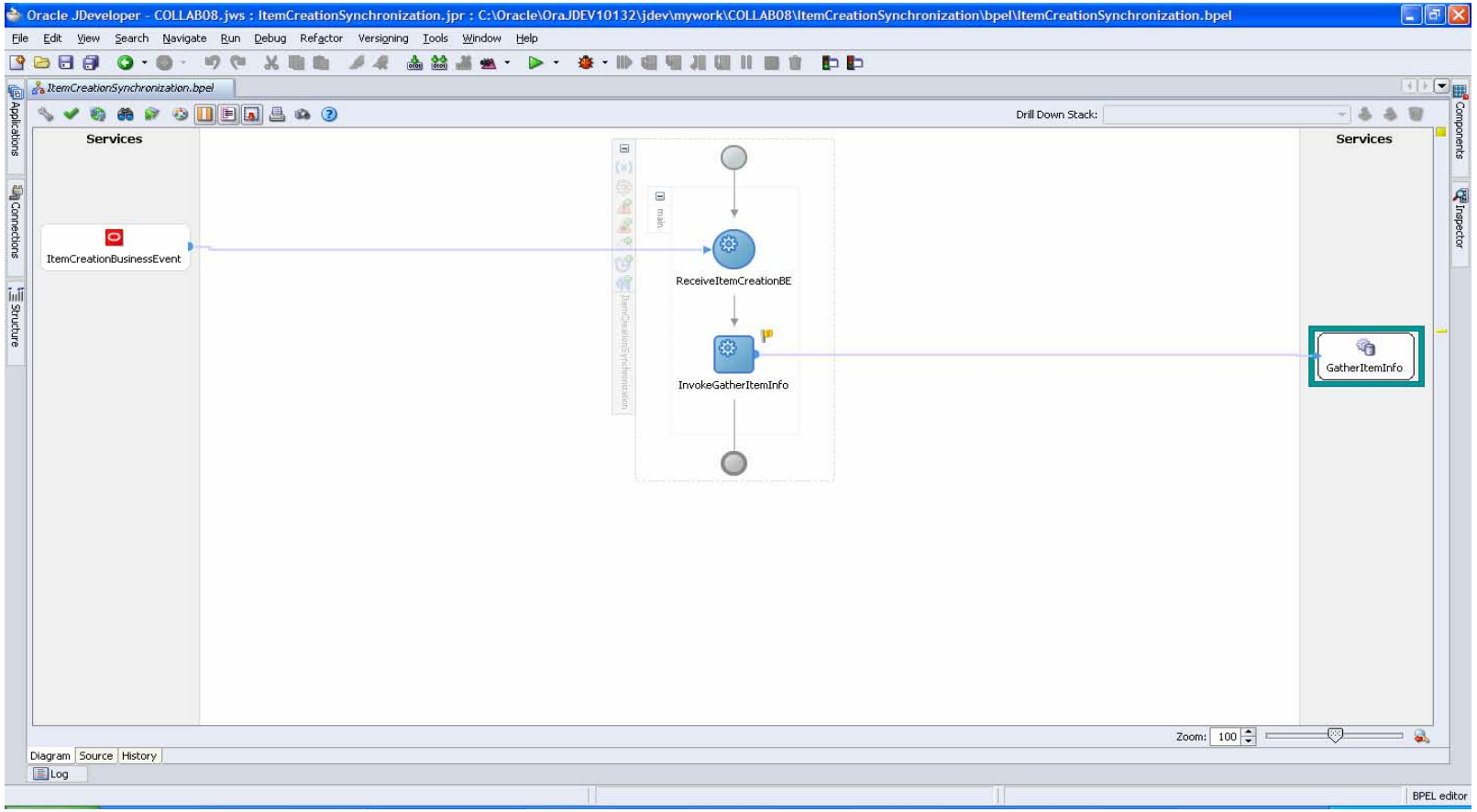
- Receive the Business Event



Building an Interface

INNOWAVE TECHNOLOGY

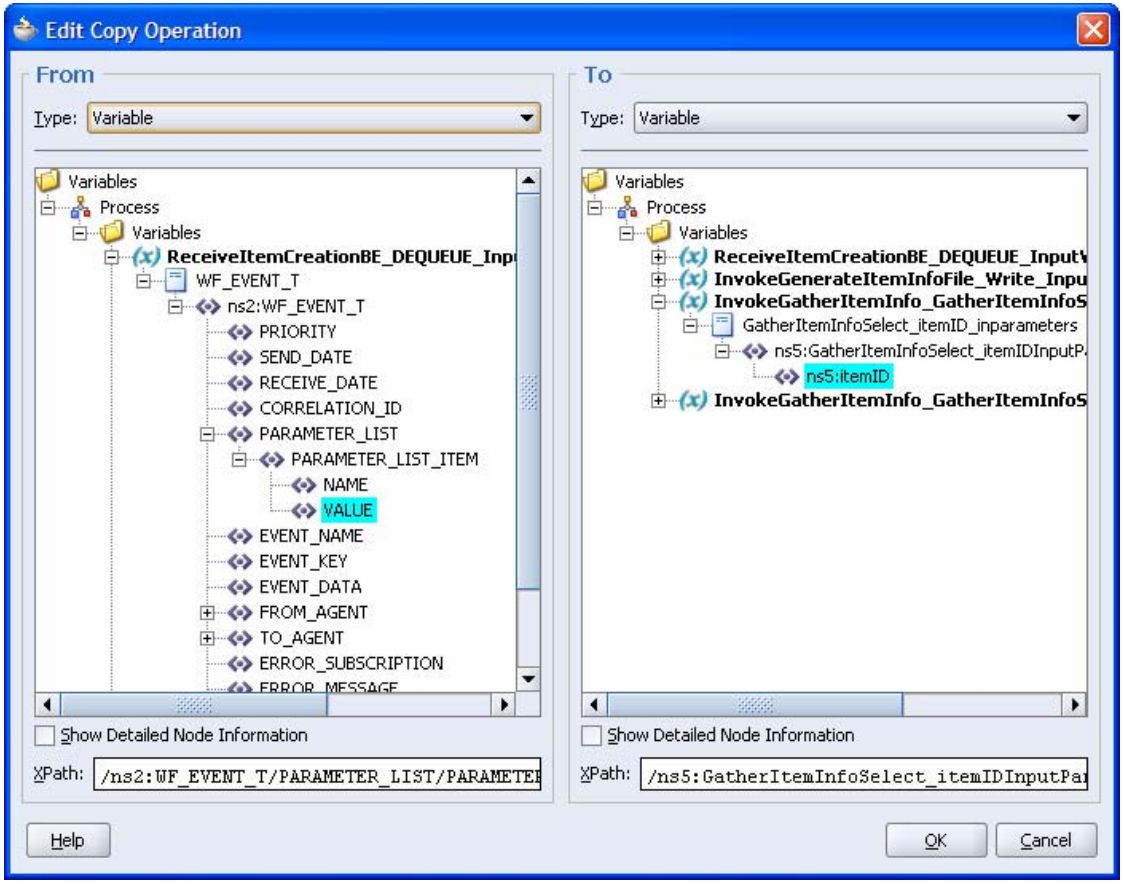
- Gather Item Information



Building an Interface

INNOWAVE TECHNOLOGY

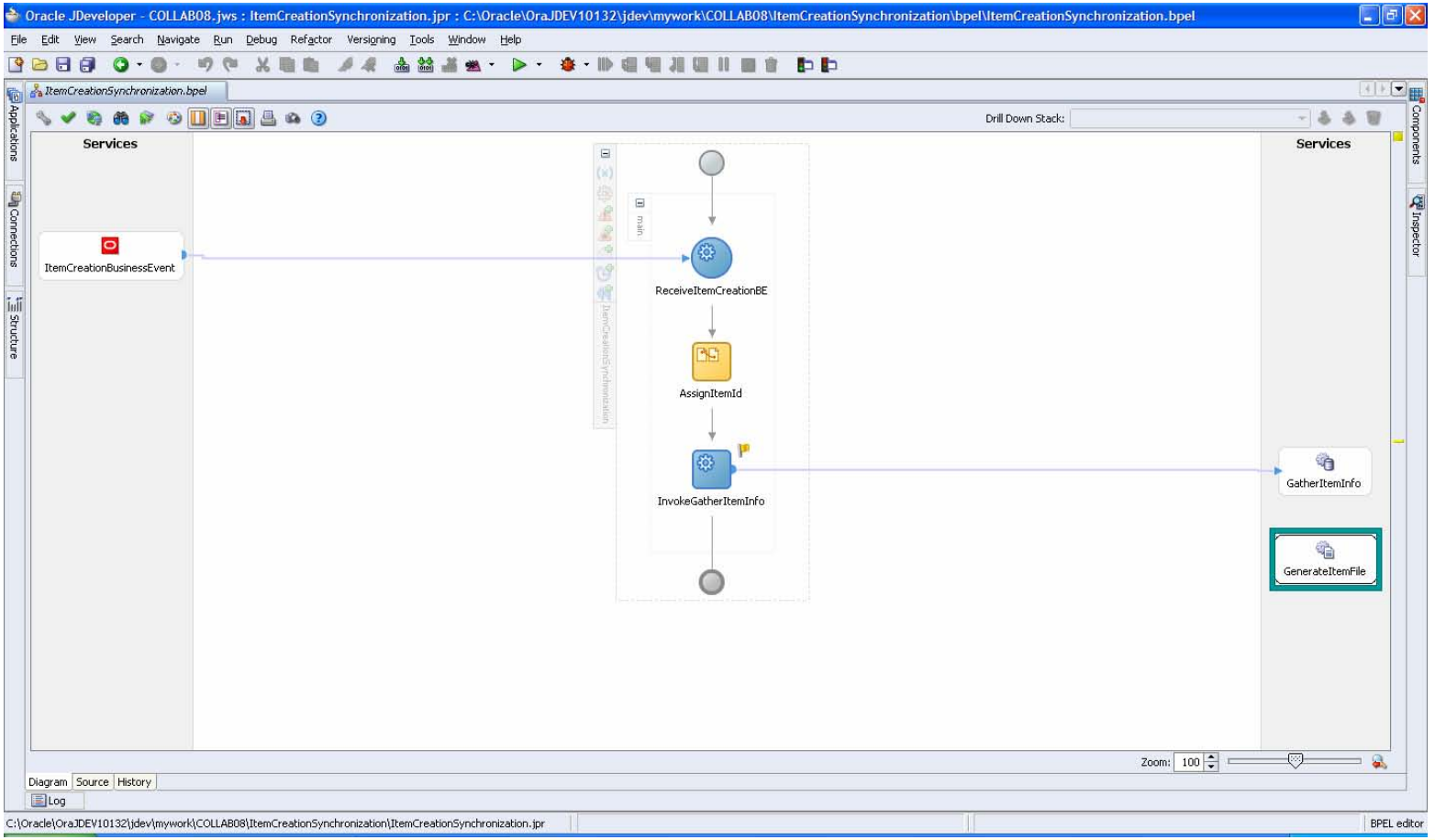
- Assign Item ID to Query



Building an Interface

INNOWAVE TECHNOLOGY

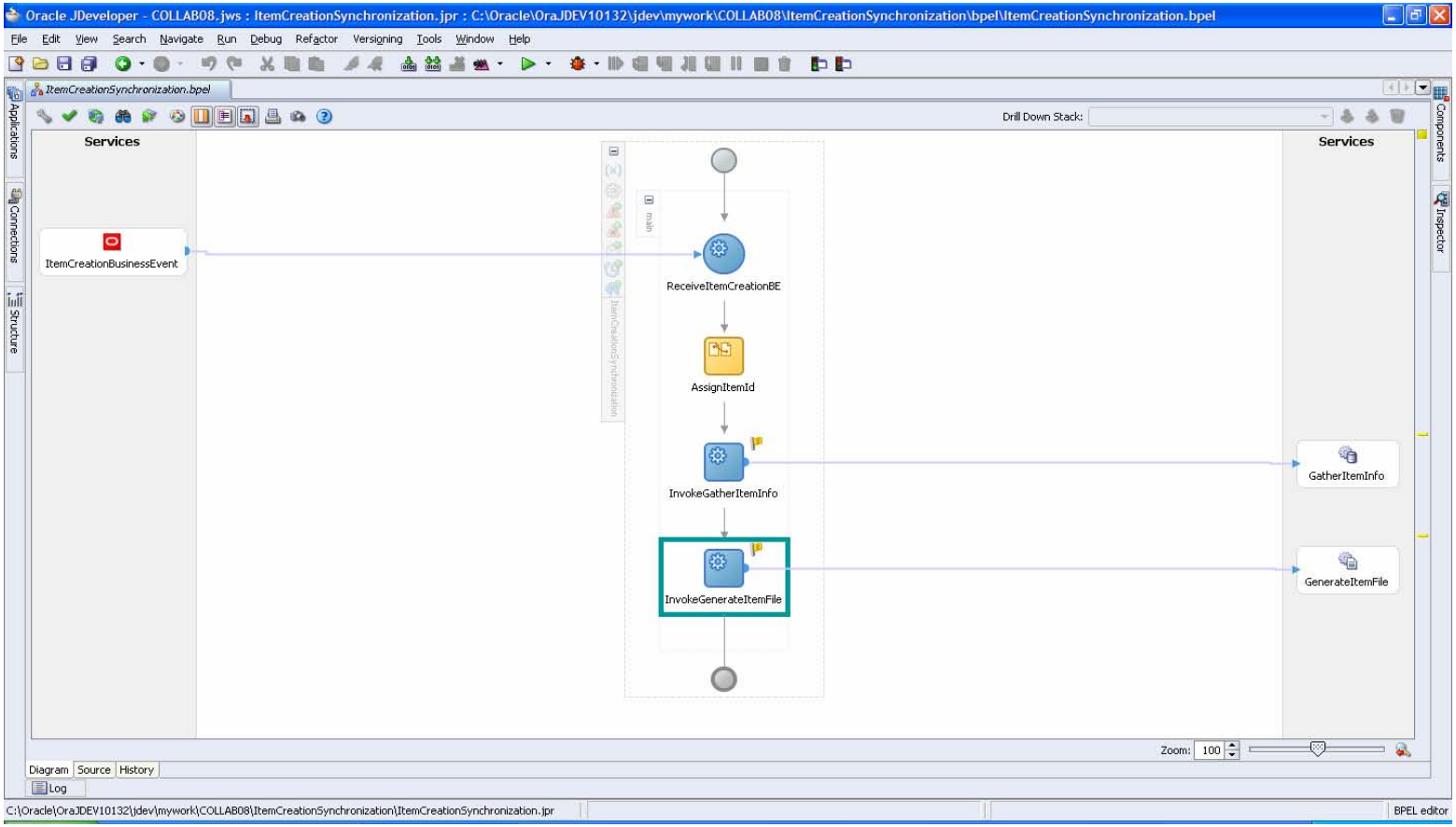
- Configure the File Adapter



Building an Interface

INNOWAVE TECHNOLOGY

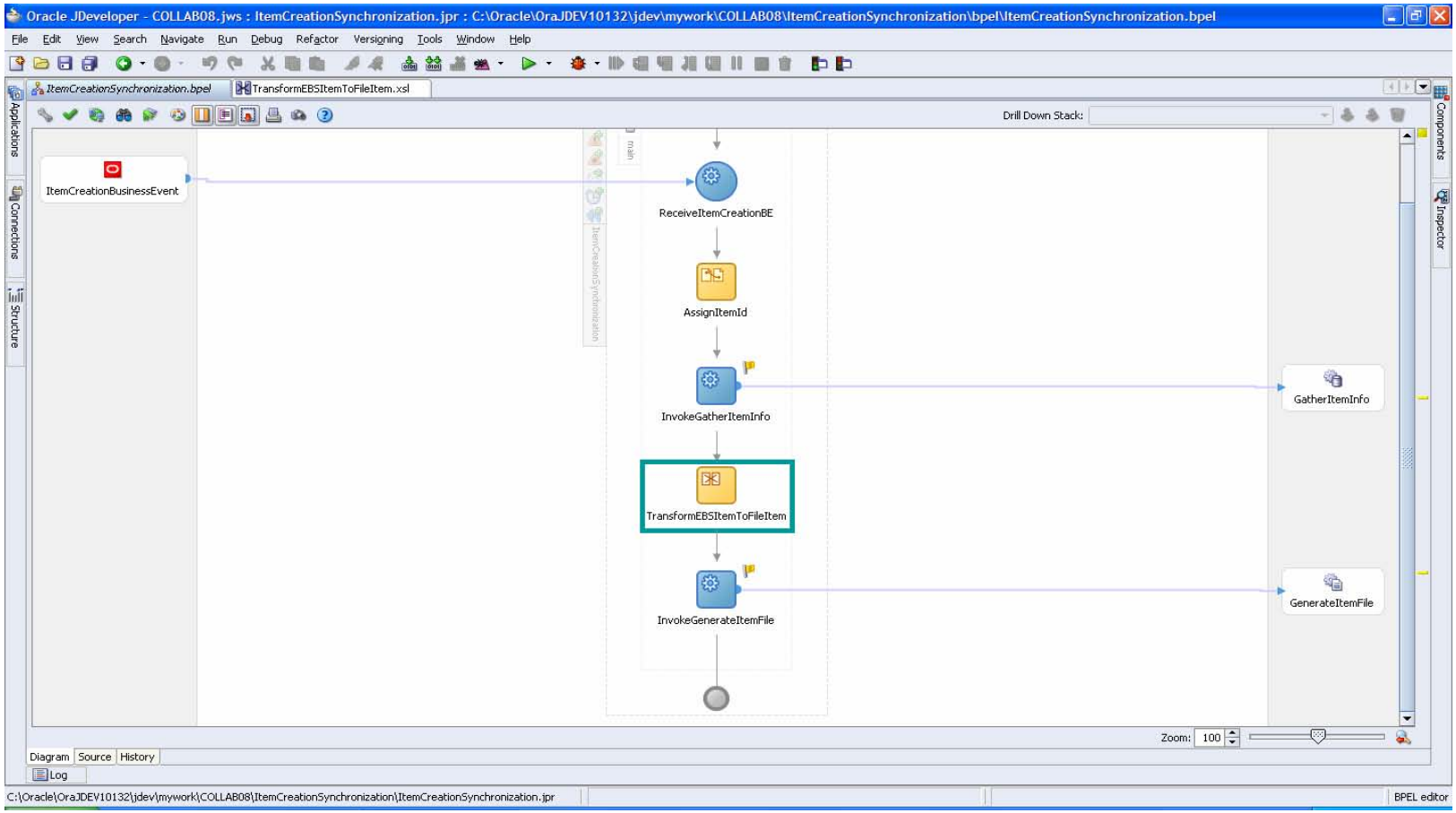
- Invoke the File Adapter



Building an Interface

INNOWAVE TECHNOLOGY

- Transform Item Information to Text File



Building an Interface

INNOWAVE TECHNOLOGY

- Deploy the BPEL Process
- Create an Item in EBS
- Find the generated .TXT file in the Output folder

Tips and Techniques

Tips and Techniques

- Oracle On-Demand scenario
- Reposting Mechanism
- Exception Handing

Q & A

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