



Implementation and Final Design Project

Workflow Designer
IBM FileNet Business Process Manager



Unit lessons



This unit contains the following lessons:

- From development to production
- Final design project

Lesson:

From development to production

- Why is this lesson important to you?
 - You are designing an IBM FileNet BPM solution. You are involved with other team members in deployment of your solution to a production environment. You need to save isolated region configuration information so that it can be moved from one region to another.

From development to production

Activities that you need to complete



- Export region configuration information.

Development and integration capabilities



- Tools are available that allow you to customize a solution and integrate it with other systems and processes.
 - Web Application Toolkit
 - Content Engine Java and .NET APIs
 - Process Java API
 - Process REST Service
 - IBM ECM Widgets
 - Workplace XT and Workplace customization
 - Application Integration Toolkit
 - Component Integrator
 - Web Services
 - eForms integration

BPM solution deployment tasks



- For the Process Engine
 - Configure Process Service on the Process Engine.
 - Configure isolated regions, queues, rosters, logs on the Process Engine.
 - Transfer workflow definitions and collections.
- For the Content Engine
 - Use FileNet Deployment Manager and Enterprise Manager to simplify export and import of application data in object stores.
- For other engines and systems
 - Configure users and groups in the directory service.
 - Deploy custom step processors.
 - Configure Component Managers.
 - Configure the Application Engine to run custom Web applications.

Process Engine deployment information

- Workflow designer and developer must prepare information for rollout of the process environment to production systems.
 - List service and region configuration.
 - Provide region configuration file, if available.
 - Identify Web applications and configuration.
 - List security users and groups.
 - List new queues and rosters.
 - List queue and roster configuration, including exposed fields, indexes, security, and operations.
 - List event logs and configuration.
 - List Component and Web Services configuration.
 - Provide workflow definition and workflow collection files.
 - List order of workflow transfers (if not using collections).
 - List required attachments.

Export region configuration

- Use Process Designer Configuration view or Process Configuration Console to export region information to an XML file.

Check box indicates that exported file will include PE system properties.

If there are many users, the exported file might be very large.

Wizard allows you to export all or only selected components.

The screenshot shows the 'Export Wizard' dialog box with the title 'Export Configuration' and subtitle 'Export Configuration to XML File'. It features a green house icon in the top right corner. The 'Export File' field contains the path 'C:\PELoanRegion Configuration.xml' and a 'Browse' button. Below this, there are two checked checkboxes: 'Include System Properties' and 'Include User Information'. The 'Export Type' section has two radio buttons: 'Export all components' (which is selected) and 'Export selected components'. At the bottom, there are five buttons: '< Back', 'Next >', 'Finish', 'Cancel', and 'Help...'. Three arrows point from the yellow text boxes on the left to specific elements in the dialog: the first points to the 'Include System Properties' checkbox, the second points to the 'Include User Information' checkbox, and the third points to the 'Export all components' radio button.

Import region configuration



- Administrator uses Process Configuration Console to import region information from an XML file to the production region.
 - Workflow definitions must be manually transferred.

Update a workflow subscription



- Why do you need to update a workflow subscription?
 - A workflow subscription is bound to specific workflow definition version.
 - When the workflow definition changes and is retransferred, the workflow definition version changes.
- Update the workflow subscription to bind to latest version of workflow definition.
 - Latest version of workflow definition must already be transferred to the Process Engine.
 - Update property mappings, if necessary.
 - Update event expression, if necessary.

Deployment considerations



- Multiple workflows
 - One workflow is dependent on another and must be transferred in a specific order.
 - Tip: Place all workflows in a collection and transfer the entire collection for easier deployment.
- Content Engine documents
 - Workflow requires specific documents available to the workflow.
 - Tip: Use Enterprise Manager and FileNet Deployment Manager to export and convert Content Engine manifest to the new environment.
- Workflow subscriptions
 - Require a transferred workflow linked to the subscription
 - Must manually create or update the subscription

Demonstration



- Open Configuration view in Process Designer.
- Export and save a region configuration to an XML file.

Activities



In your Student Exercises book

- Unit: Implementation and Final Design Project
- Lesson: From development to production
- Activities:
 - Export region configuration information.

Lesson:

Final design project

- Why is this lesson important to you?
 - You are designing an IBM FileNet BPM solution. In order to confirm and reinforce the knowledge and skills you gained in this course, you participate in a course final design project.

Activities that you need to complete

- Use the skills and knowledge that you gained in this course to analyze, design, and implement a workflow process solution to a chosen business problem using available IBM FileNet BPM tools.

Course final design project



- Solve a business process problem of your choice using IBM FileNet BPM tools
 - Work individually or with a class group.
 - Select a business process application scenario.
 - Analyze the business problem.
 - Design workflow and Process Engine solution elements.
 - Implement a solution using available tools.
(No custom programming is required.)
 - Prepare a design review and workflow definition file.
 - Discuss your solution in class.
- See your workbook for instructions on project criteria and deliverables.
- Your instructor will provide further instructions.

Activities



In your Student Exercises book

- Unit: Implementation and Final Design Project
- Lesson: Final design project
- Activities:
 - Use the skills and knowledge that you gained in this course to analyze, design, and implement a workflow process solution to a chosen business problem using available IBM FileNet BPM tools.