

# Developing Processes

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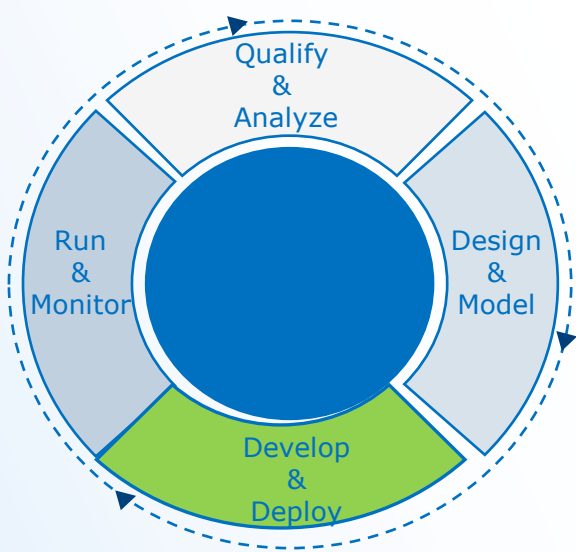
Cordys BOP 4.1 Fundamentals

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- ◆ Making Processes Executable
- ◆ Data Flow Management
- ◆ Executing Processes
- ◆ Business Process Types

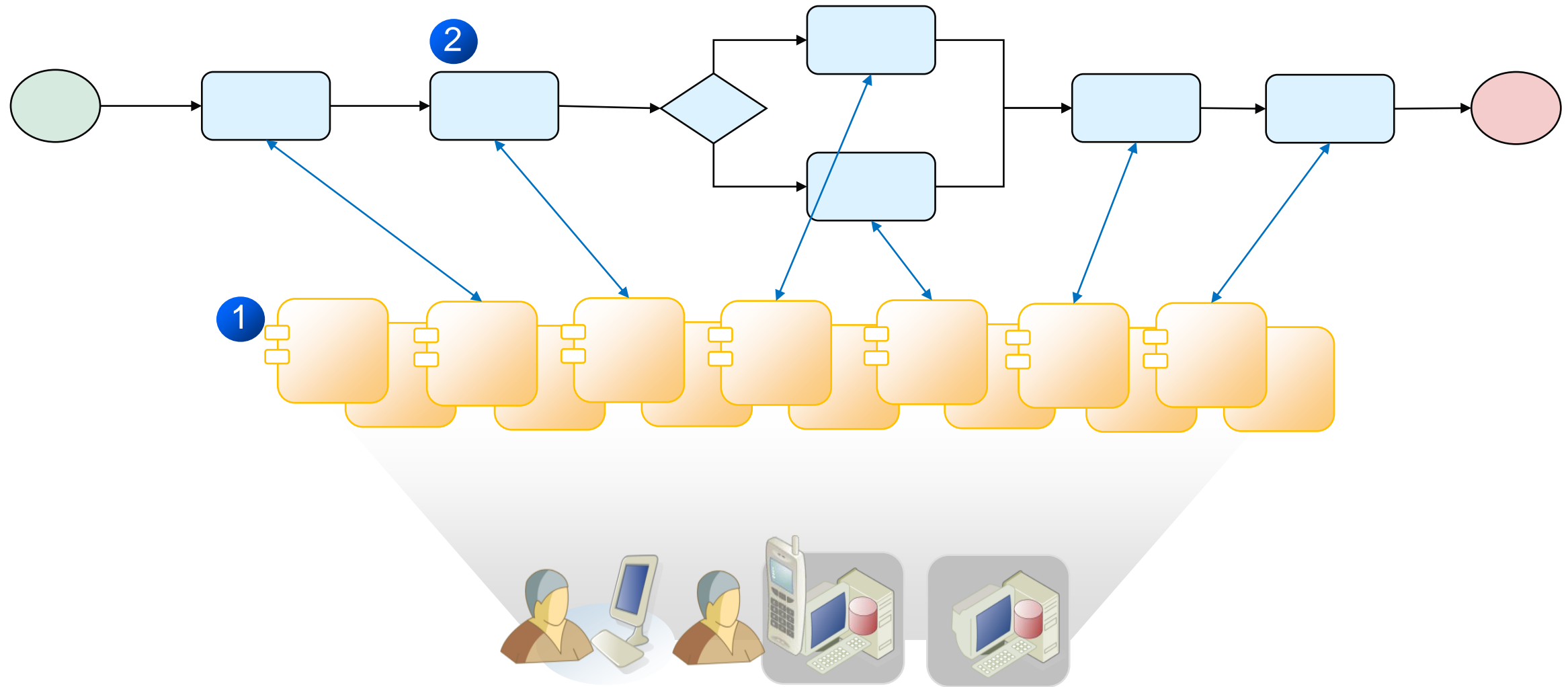
# Developing Business Process Models - Embed Services

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Embed services into process models

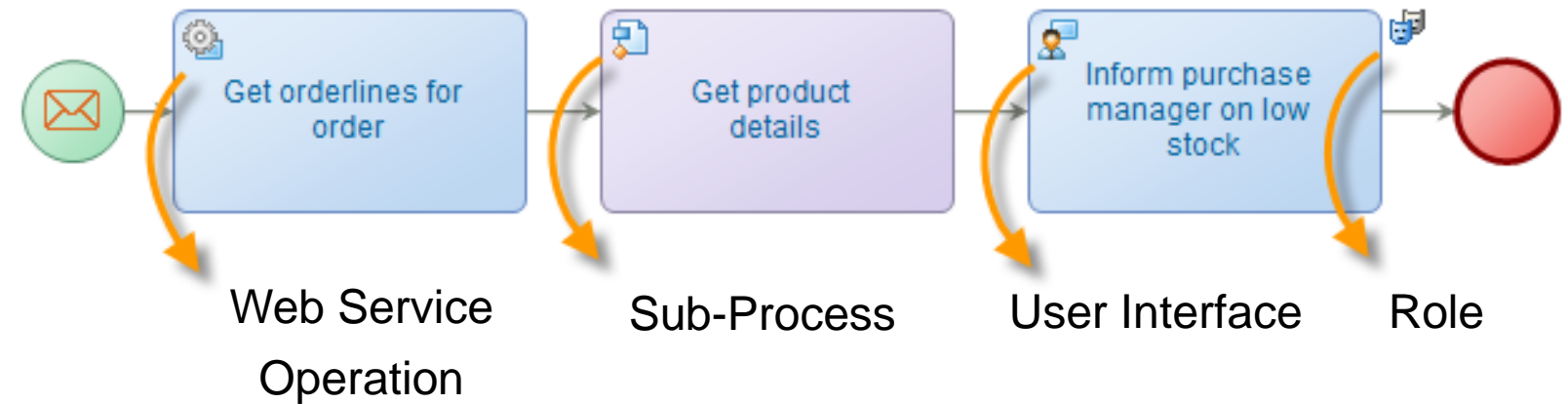
- 1 Expose applications (packages and legacy) in a SOA way
- 2 Implement process model activities



# Adding Components to a BPM

- ◆ List of components that can be added to a BPM

- ◆ User Interfaces
- ◆ Web Service Operations
- ◆ Business Process Models
- ◆ Decision Tables
- ◆ Case Models
- ◆ Work Lists
- ◆ Organization Units
- ◆ Roles
- ◆ Business Calendars
- ◆ Empty Activities

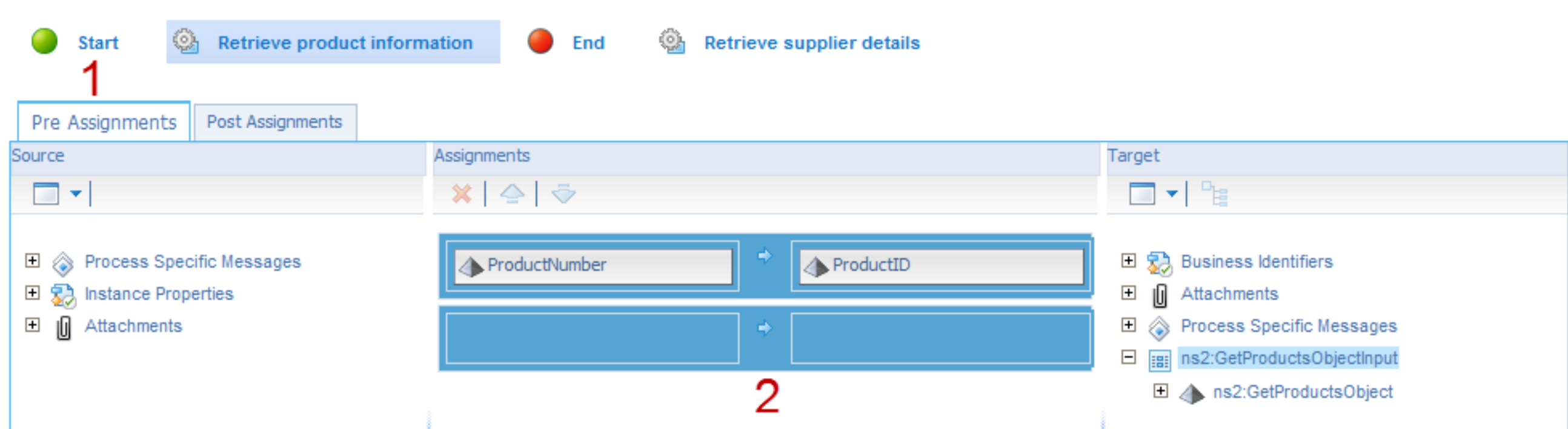


- ◆ Making Processes Executable
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- ◆ All process data is stored in the *Message Map*
- ◆ At runtime responses are added to the *Message Map*
- ◆ Data can be copied to and from the *Message Map* by making assignments

# Message Map

- ◆ Constructs (1)
- ◆ Assignments (2)
  - ◆ Pre Assignments: before construct is performed
  - ◆ Post Assignments: after construct is performed



# Message Map Pre Assignments

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## ◆ Source

- ◆ Process Specific Messages
- ◆ Instance Properties
- ◆ Attachments
- ◆ Activities up stream

## ◆ Target

- ◆ Business Identifiers
- ◆ Attachments
- ◆ Process Specific Messages
- ◆ Input structure of selected activity

● Start    ⚙ Retrieve product information    ● End    ⚙ Retrieve supplier details

Pre Assignments

Post Assignments

Source	Assignments	Target
<div>▼</div> <div><div>+</div>  Process Specific Messages</div> <div><div>+</div>  Instance Properties</div> <div><div>+</div>  Attachments</div>		



# Message Map Post Assignments

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## ◆ Source

- ◆ Process Identifiers
- ◆ Instance properties
- ◆ Attachments
- ◆ Process Specific Messages
- ◆ In - and Output Message of
  - ◆ **selected** activity
  - ◆ Activities up stream

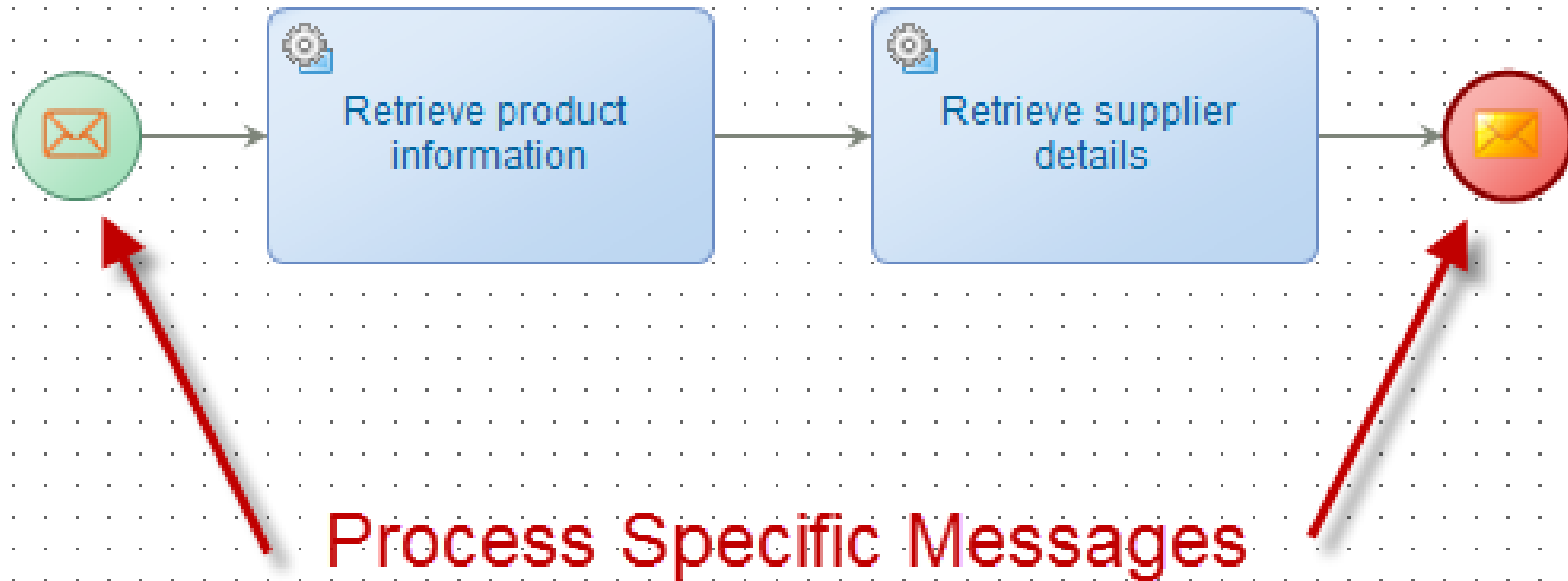
## ◆ Target

- ◆ Business Identifiers
- ◆ Attachments
- ◆ Process Specific Messages

The screenshot displays the 'Post Assignments' configuration window in Cordys. At the top, a process flow is visible with a green 'Start' node, a blue 'Retrieve product information' activity, a red 'End' node, and a blue 'Retrieve supplier details' activity. Below this, the 'Post Assignments' tab is active, showing three main panels: 'Source', 'Assignments', and 'Target'. The 'Source' panel on the left lists available message types: Process Specific Messages, Instance Properties, Attachments, and 'Retrieve product information' (which is selected and expanded to show 'ns2:GetProductsObjectInput', 'ns2:GetProductsObjectOutput', and 'ns2:GetProductsObjectFaultDetail'). The 'Assignments' panel in the center features a visual mapping interface with two blue boxes connected by a right-pointing arrow. The 'Target' panel on the right lists the destination message types: Business Identifiers, Attachments, and Process Specific Messages.

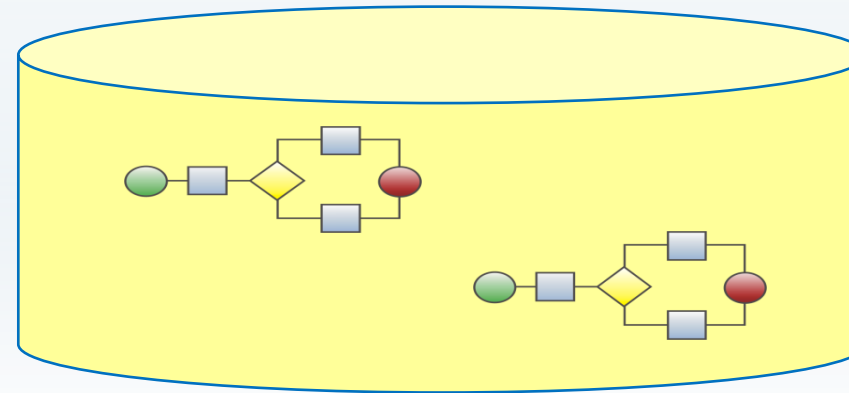
# Process Specific Messages Usage Example

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- ◆ Making Processes Executable
- ◆ Data Flow Management
- ◆ Executing Processes
- ◆ Business Process Types

Design Time



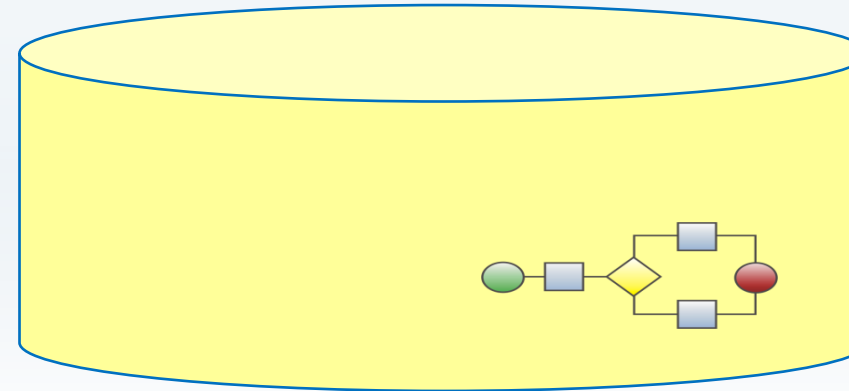
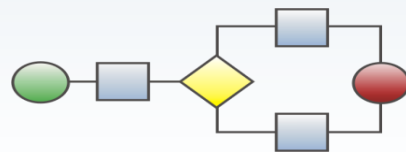
**BPMN Definitions**



**Collaborative  
Workspace**

**Publish**

Run Time



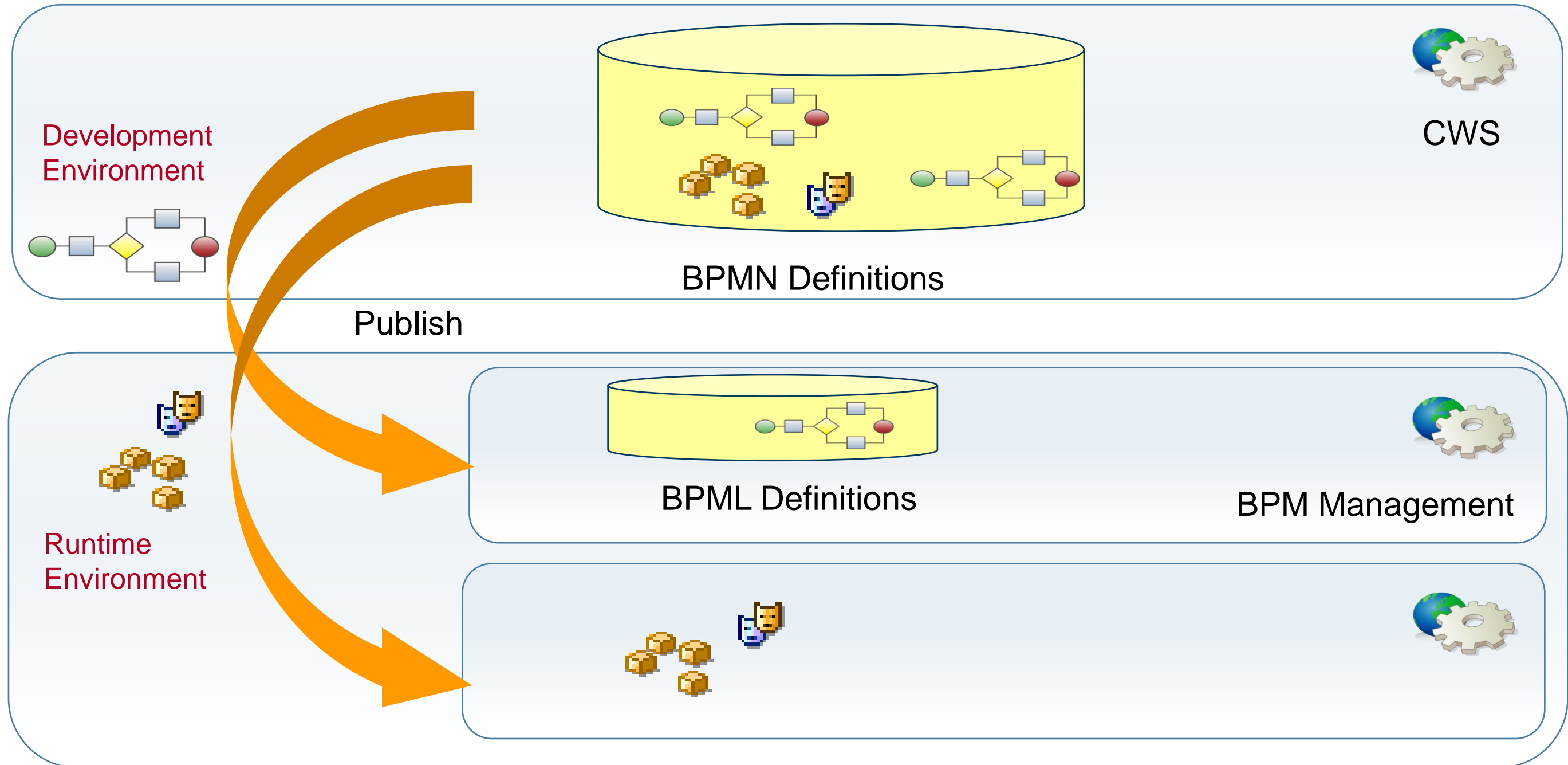
**BPML Definitions**

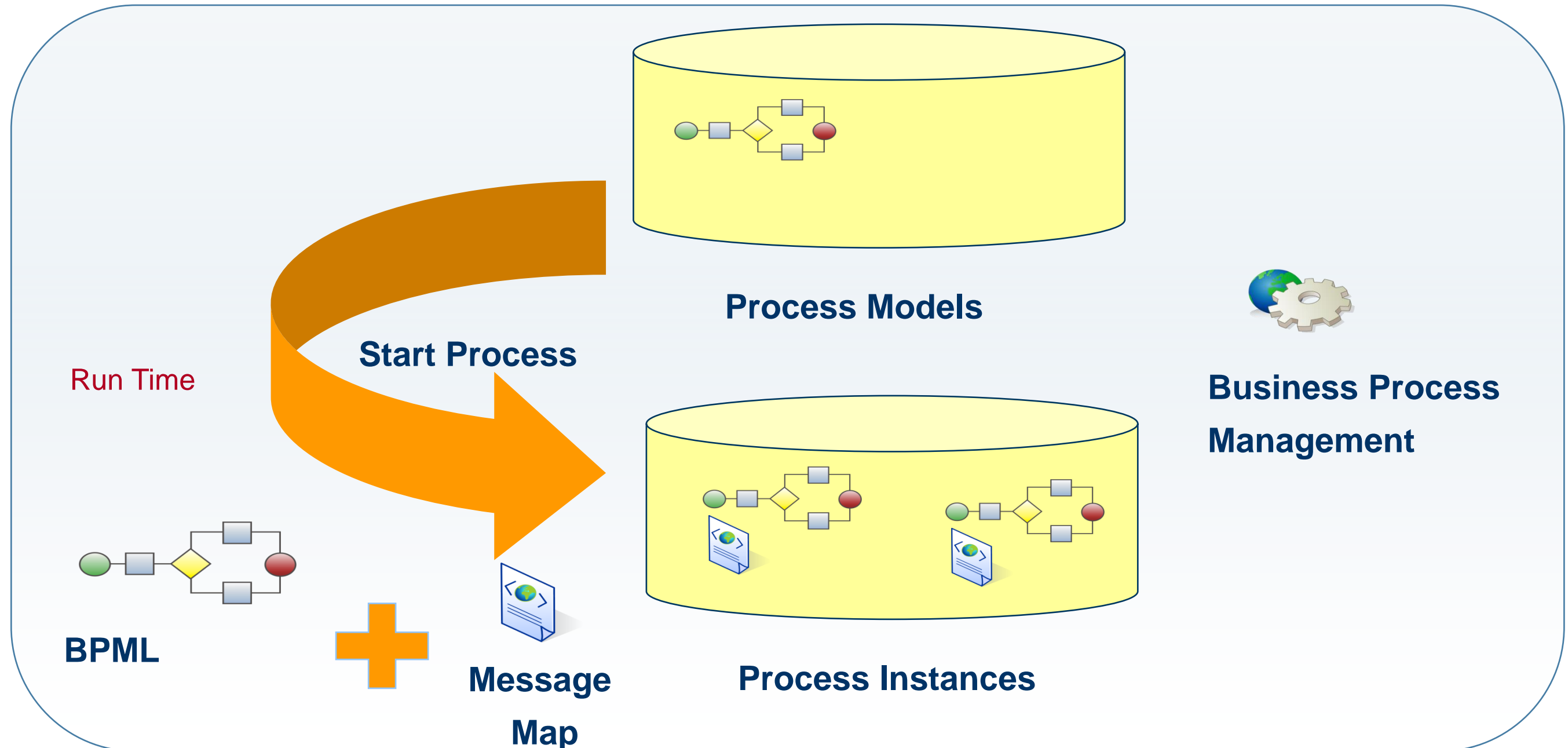


**Business Process  
Management**

# CWS: Related Content is Published as well

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- ◆ Validation

- ◆ You can validate your process to check for errors, warnings and information

- ◆ Running a BPM

- ◆ A BPM needs to be Published in order to run, test and debug it

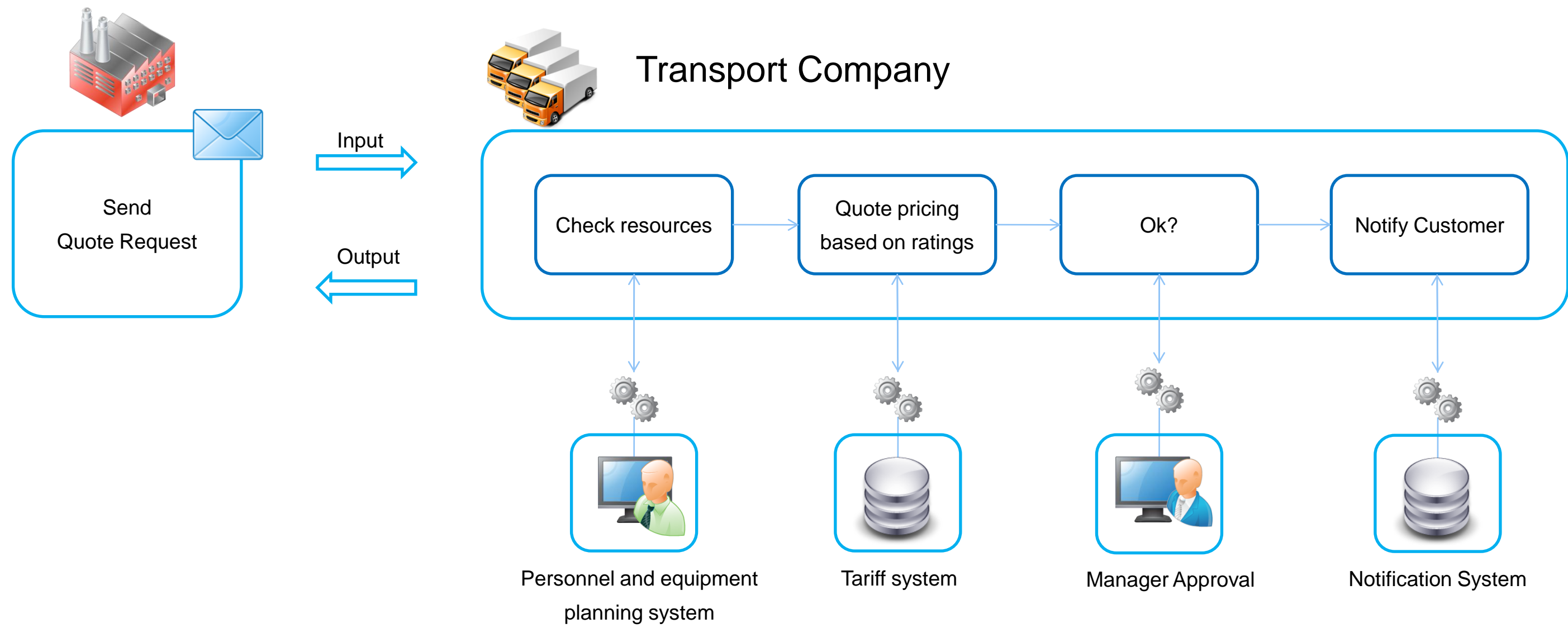
- ◆ From within CWS you can

- ◆ Run a process
  - ◆ Debug a process
  - ◆ Run interactively
  - ◆ View related process instances

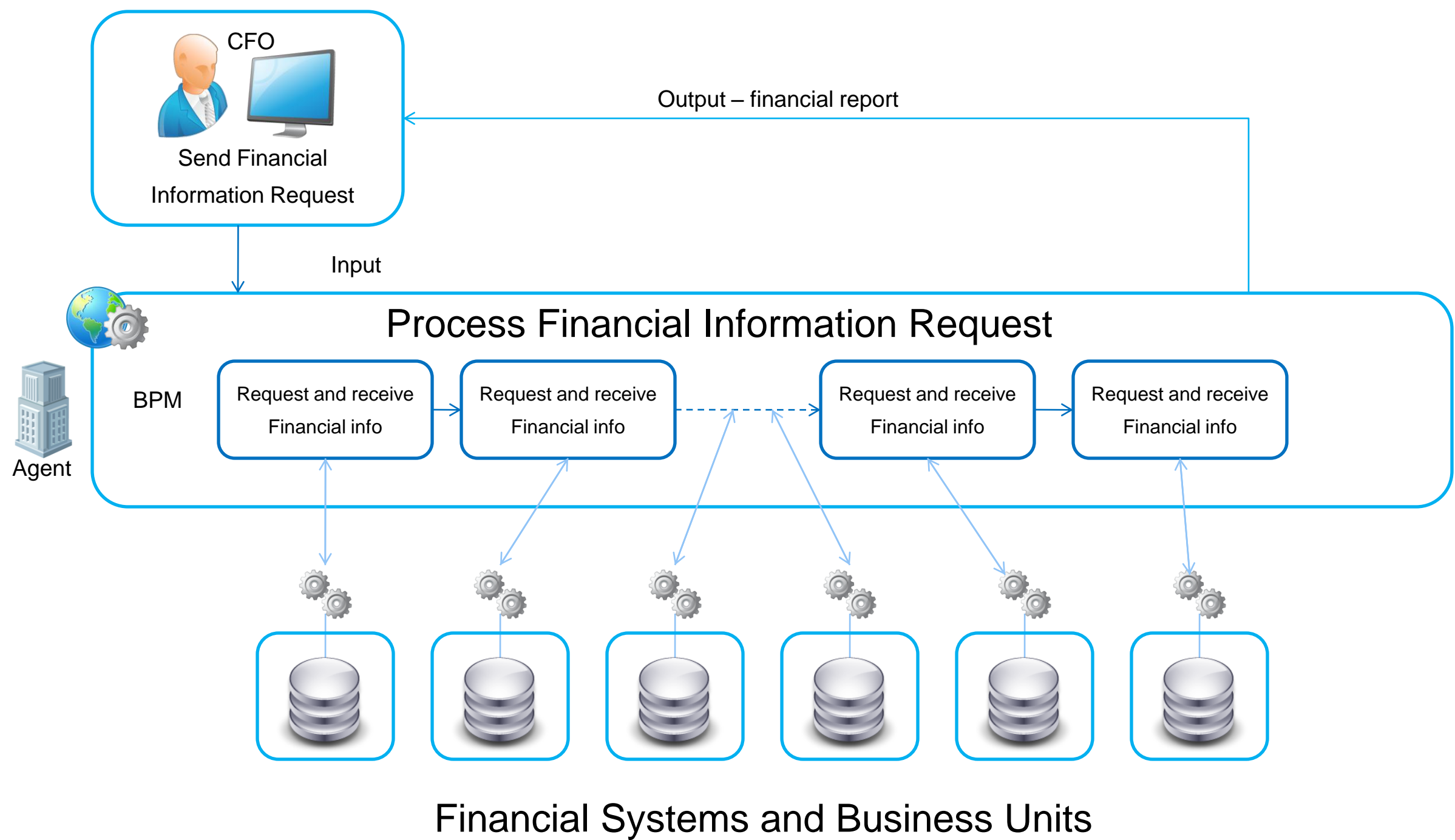
- ◆ Making Processes Executable
- ◆ Data Flow Management
- ◆ Executing Processes
- ◆ Business Process Types



# Business Process Example



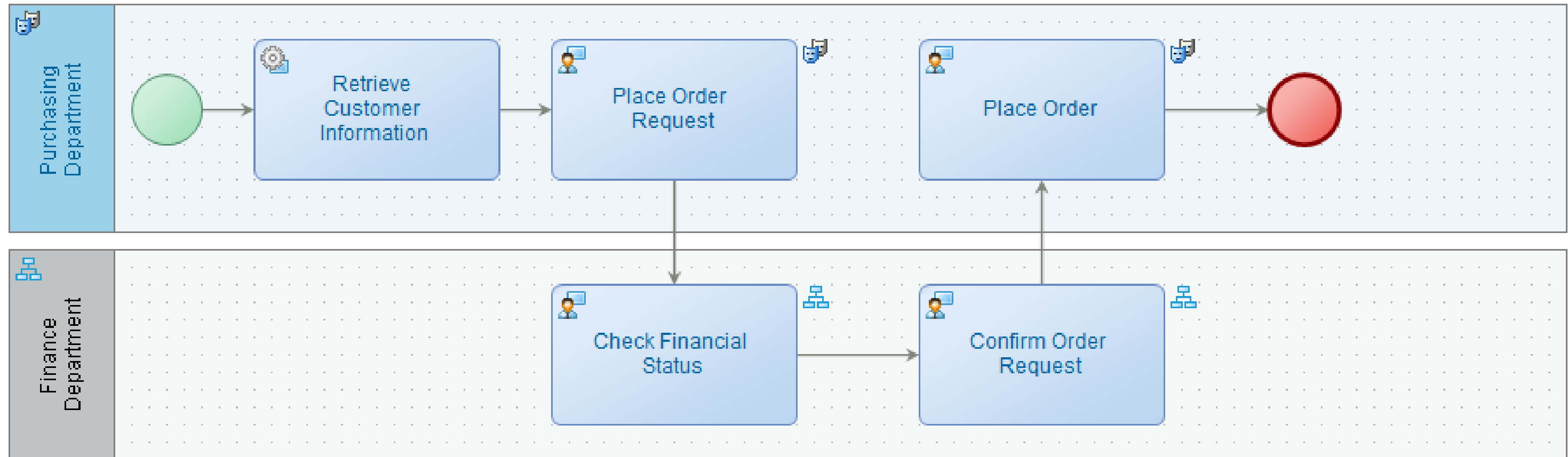
# Incorporation of existing and new systems



# Page Flow Process

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- ◆ Automated task handling
- ◆ Wizard-like way of completing tasks
- ◆ Grouped activities



# Thank You

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Questions?