

A wooden arrow sign, made of weathered wood, is mounted on a vertical post. The sign is shaped like a right-pointing arrow with a notch on the left side. It is positioned in the center of the image, pointing towards the right. The background is a blurred, high-contrast image of a mountain range with snow and dark rock faces.

PROCESS ENRICHMENT BPA'S

**BUSINESS PROCESS AUTOMATION**

# PROCESS ENRICHMENT BPA'S

## BACKGROUND

Process Enrichment BPA's provide the functionality where data is required to be altered resulting in creating, updating or deleting of data. Process Enrichment is where the BPA invokes automation that enriches the transaction, process or action within the system. These can be:

- Calling our many internal REST API's/projections operations:
  - Create
  - Read
  - Update
  - Delete
- Updating a field within the table that invokes the BPA.

# PROCESS ENRICHMENT BPA

## PROJECTION DETAILS

The screenshot displays the IFS BPA tool interface. On the left, a vertical toolbar contains various icons for process design. The central workspace shows a process flow: a start circle leads to a task 'Do you want to create a state?', followed by an XOR gateway, then a task 'State Fields', and finally a task 'Create State' which is highlighted with a dashed blue border. To the right, the 'Task\_0boxkym' configuration panel is open, showing the 'Projection Delegate' tab. The 'General' section includes 'Id' (Task\_0boxkym) and 'Name' (Create State). The 'Projection Details' section includes 'Action' (Create), 'Projection Name' (StatesHandling), and 'EntitySet Name' (Reference\_StateCodes). Red arrows point from the 'Create State' task in the diagram to the 'Action', 'Projection Name', and 'EntitySet Name' fields in the configuration panel.

Select the IFS Projection Delegate task, choose the Action, the Projection Name and Entity Set Name.

Creating the Custom Event, BPA and Event Action process is the same along with using the IFS Projection Delegate task.





DEMO

**PROCESS ENRICHMENT**

# ASYNCHRONOUS BPA'S

## BACKGROUND

Asynchronous BPA's are used to perform Process Enrichment BPA's and allow functions such as Background Jobs that are on a scheduled routine to be ran without waiting for a response from the server.

The construction of the Asynchronous BPA's are the same as mentioned earlier but the main difference is to choose the Asynchronous option on the Event Action.

# ASYNCHRONOUS BPA

## ASYNCHRONOUS TIMING

The screenshot displays the 'Event Action Configuration' page in the IFS Solution Manager. The breadcrumb trail is 'Solution Manager > Integration > Events > New Event Action'. The page has a progress bar with three steps: 'Event Action General Info' (selected), 'Action Details', and 'Enable Event Action'.

**Workflow**

Workflow ID: bpaUpdateNote

Type: Process Enrichment

Timing: **Asynchronous** (highlighted with a red arrow pointing to it from the text box)

**Parameters**

Parameter	Value	Information
(No data)		

**Event**

Name
(No data)

**General**

Name
#DB_HOST#
#DB_SID#
#DEFAULT_COMPANY#

The text box on the right states: 'The Event Action set up is the same, but the Timing needs to be Asynchronous.'





**#forthechallengers**