

Introduction to Boomerangs: Use Cases

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Agenda

- What is a "Boomerang"?
- What processes can I automate?
- What Components can be used?
- 10 Use Cases:
- Q&A
- Related Sessions



What is a Boomerang?

Simply put, a boomerang pulls data out of Workday, transforms it in some way, and pushes it right back into Workday.

It is different from what most people think of as an integration because you are usually tying together some external system with Workday.

A boomerang simply ties Workday to itself, which makes it much easier since there isn't a 2nd system involved.

What Processes Can I Automate?

Boomerang Integrations use some type of input, typically a Custom Report or Outbound EIB, and Workday Web Services (WWS) as an Output.

All Business Processes (And Inbound EIBs) use WWS behind the scenes.

So, you can use a Boomerang to automate anything that has a Business Process.

What Components Can Be Used?

- Custom Reports
- Calculated Fields
- Outbound EIBs
- Inbound EIBs
- Workday Studio
- Workday Security (For Integration System Users)

10 Use Cases

- **End Contingent Worker Contracts**
- **Benefits Annual Rate**
- **Update Workday Account**
- **Update Reference IDs**
- **Lat/Long in Workday -**
- **Correct Worker Name Capitalization**
- **Rescind Business Processes**
- **Cancel Future Time off Requests for Terminated Workers**
- **Update Work Email in Workday**
- **Auto enable Service Accounts and Implementers in SBX**

End Contingent Worker Contracts

Contingent Workers Past Contract End Date



BEFORE

Turn on the new tables view

1 item



Employee ID	Worker Sub-Type	Contract End Date
000789	Contractor - Agency	05/19/2020

Contingent Workers Past Contract End Date



AFTER

Turn on the new tables view



0 items



Employee ID	Worker Sub-Type	Contract End Date
No Data		

Benefit Annual Rates

We have a step in our Onboarding BP that triggers our boomerang integration to set several values used by Benefits

View Business Process Definition Onboarding (Default Definition)  

Effective Date 08/16/2021

Notes WARNING! If using Object Transporter to move changes to production, verify launch parameters for INT160 Update and Verbose are set to True

Most Recent Used Date 08/16/2021

Due Date 1 Week

Due Date Is Based On Effective Date Yes

[View Diagram](#)

Business Process Steps Notifications Allowed Actions by Role Allowed Services Related Links Available Rules & Fields

Business Process Steps 34 items Turn on the new tables view

Step	Order	Parallel Step Inbox Order	If	Type	Specify	Step Label Override	Documents Included	Optional	Group	Routing Modifier	All	Run As User
			Part of Hire BP or Change Job BP for NEBO?									
🔍 Configure INT16...	c	a	Benefits Eligible? Is Not Retiree? Part of Hire BP or Change Job BP for NEBO?	Integration				No				INT160-Initial Values for Benefit Eligible-User

Benefit Annual Rates

The integration requires us to send the Employee ID & the Business Process Effective Date

Configure Integration Step Onboarding (Default Definition) step c.a - Integration

Run As User: INT160-Initial Values for Benefit Eligible-User

Integration Configuration

Request Name

Static Text: INT160-Initial_Values_for_Benefit_Eligible-

Dynamic using:

Integration: INT160-Initial_Values_for_Benefit_Eligible-SI-Inbound

Integration Criteria 1 item

Provider	Field	Value Type	Value
INT160-Initial_Values_for_Benefit_Eligible-SI-Inbound	<input checked="" type="checkbox"/> Employee_ID	Determine Value at Runtime	Employee ID
	<input checked="" type="checkbox"/> Business_Process_Effective_Date	Determine Value at Runtime	Effective Date
	<input checked="" type="checkbox"/> Update	Specify Value	True
	<input checked="" type="checkbox"/> Verbose	Specify Value	True

Benefit Annual Rates

The Boomerang Integration calculates & sets the following:

The screenshot displays a user profile for (Virtual) Darcy Batchelor, Executive Assistant III. The profile includes a navigation sidebar with options for Summary, Overview, and Contact. The main content area shows the 'IDs' tab, which is divided into 'Employee ID' and 'Other IDs'. A modal window titled 'View Benefits Annual Rate' is open, showing a table of benefit rates for (Virtual) Darcy Batchelor.

View Benefits Annual Rate (Virtual) Darcy Batchelor

2 items

Benefit Annual Rate Type	Effective Date	Currency	Benefit Annual Rate
Optional Life Salary	08/16/2021	USD	100,000.00
Benefits Salary	08/16/2021	USD	75,000.00

Employee ID 1 item

Employee ID
999090003

Other IDs 2 items

Other ID Type	Organization	Description	Identification #	Issued Date	Expiration Date
Teacher Retirement System (TRS9 Date)		Updated by integration #160 on 08/16/2021	Y		11/14/2021
SGIP Date Driver		Updated by integration #160 on 08/16/2021	A	11/01/2021	

Update Workday Account

Can be used to Change username, add disable date, remove disable date, reactivate

BEFORE

Account Disabled	No
Do Not Allow UI Sessions	No
Account Expiration Date	(empty)
Session Timeout Minutes Enforced	20
Account Enabled for Data Masking	No
Allow Mixed-Language Transactions	No
Show User Name in Browser Window	No
Display XML Icon on Reports	No

AFTER

Account Disabled	No
Do Not Allow UI Sessions	No
Account Expiration Date	08/16/2024 12:00:00 AM
Session Timeout Minutes Enforced	20
Account Enabled for Data Masking	No
Allow Mixed-Language Transactions	No
Show User Name in Browser Window	No
Display XML Icon on Reports	No

Boomerang: Update Organization Reference IDs

Update Cost Center Reference ID

Use Case Scenario

- Finance creates Cost Centers, but do not have the security to Edit Reference ID
- Desire for the Reference ID to match the Cost Center Name.



Solution

- Boomerang Integration to Audit & update Cost Center Reference ID.
- Requires NO STUDIO DEVELOPMENT!

Boomerang: Update Organization Reference IDs


How does it work?

- Custom Report
- Outbound EIB
- XSLT Attachment Transformation
- Outbound EIB Business Process
- Workday Studio: Web Service Requester
- Scheduled Future Process

Boomerang: Custom Report



View Custom Report CR INT Cost Centers needing ReferenceID

Report Name	CR INT Cost Centers needing ReferenceID	Report Tags	Extract Factory Default Finance
Report Type	Advanced		
Data Source	 Cost Centers	Report Definition Usages	4
Data Source Type	Standard		
Primary Business Object	Cost Center		

Boomerang: Custom Report Columns

View Custom Report CR INT Cost Centers needing ReferenceID

Report Name	CR INT Cost Centers needing ReferenceID	Report Tags	Extract Factory Default Finance
Report Type	Advanced		
Data Source	Cost Centers	Report Definition Usages	4
Data Source Type	Standard		
Primary Business Object	Cost Center		

4 items

Business Object	Field	Column Heading Override	Column Heading Override XML Alias	Format	Options
Cost Center	Cost Center	Cost Center	Cost_Center		
Cost Center	Reference ID		Reference_ID		
Cost Center	Code	Cost Center Code	Cost_Center_Code		
Cost Center	Included by Organizations	Division	Division		



Boomerang: Custom Report Filter



View Custom Report CR INT Cost Centers needing ReferenceID

Filter on Instances

Filter conditions for filtering on instances 2 items

And/Or	(Field	Operator	Comparison Type	Comparison Value
And	<input type="checkbox"/> Reference ID	contains	Value specified in this filter	Cost
Or	<input type="checkbox"/> Reference ID	not equal to	Value from another field	<input type="checkbox"/> CF ST Cost Center Name

Boomerang: Outbound EIB



View Integration System INTH0012 EIB Cost Center ReferenceID Boomerang

Basic Details

System Name INTH0012 EIB Cost Center ReferenceID Boomerang

> **System ID**

Workday Account ISU_CostCenterRefIDs

Configuration Notifications Business Process Definitions Security

Get Data

Name Custom Report

Data Source [CR INT Cost Centers needing ReferenceID](#)

> **Details**

Boomerang: Outbound EIB



View Integration System INTH0012 EIB Cost Center ReferenceID Boomerang

Transform

Transformation Type Custom Transformation


Transformation [CR INTH0012 Cost Center Reference ID Boomerang \(Update Custom Org ReferenceID.xslt\)](#)

Deliver 1 item

Delivery	File Name
Delivery Method Workday Attachment	CostCenterRefIDBoomerang.xml

Boomerang: XSLT Attachment Transformation

View XSLT Attachment Transformation

CR INTH0012 Cost Center Reference ID Boomerang (Update Custom Org ReferenceID.xslt) 



Name CR INTH0012 Cost Center Reference ID Boomerang

Attachment *



Update Custom Org ReferenceID.xslt

Uploaded by Matthew Bornstein [C] (Contract Ended)

Usage

Integration System INTH0012 EIB Cost Center ReferenceID Boomerang



Boomerang: XSLT Attachment

```

1  <?xml version="1.0" encoding="UTF-8"?>
2  <xsl:stylesheet version="2.0" xmlns:xsl="http://www.w3.org/1999/XSL/Transform" xmlns:wd=
   "urn:com.workday.report/CR_INT_Cost_Centers_needing_ReferenceID">
3    <xsl:template match="/">
4      <soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/" xmlns:xsd=
   "http://www.w3.org/2001/XMLSchema" xmlns:bsvc="urn:com.workday/bsvc">
5        <soapenv:Body>
6          <xsl:for-each select="wd:Report_Data/wd:Report_Entry">
7            <bsvc:Put_Reference_Request bsvc:version="v36.0">
8              <bsvc:Reference_ID_Data>
9                <bsvc:ID>
10                 <xsl:value-of select="wd:Reference_ID"/>
11               </bsvc:ID>
12               <bsvc:New_ID>
13                 <xsl:value-of select="wd:Cost_Center_Code"/>
14               </bsvc:New_ID>
15               <bsvc:Reference_ID_Type>Cost_Center_Reference_ID</bsvc:Reference_ID_Type>
16             </bsvc:Reference_ID_Data>
17           </bsvc:Put_Reference_Request>
18         </xsl:for-each>
19       </soapenv:Body>
20     </soapenv:Envelope>
21   </xsl:template>
22 </xsl:stylesheet>

```

Boomerang: EIB Business Process



View Business Process Definition Integration Process Event for INTH0012 EIB Cost Center ReferenceID Boomerang (TOP LEVEL)

Effective Date 09/08/2021
Business Object [INTH0012 EIB Cost Center ReferenceID Boomerang \(TOP LEVEL\)](#)
Most Recent Used Date 09/07/2021

[View Diagram](#)

- Business Process Steps**
- Notifications
- Allowed Actions by Role
- Allowed Services
- Related Links
- Available Rules & Fields

Business Process Steps 3 items

Step		Order	Type	Specify	Group	Optional	All	Run As User	Due Date
Q		a	Initiation			No			
Q		b	Service	Fire Integration		No			
Q	Configure Web Service ...	c	Integration			No			

Boomerang: EIB Business Process



View Business Process Definition Integration Process Event for INTH0012 EIB Cost Center ReferenceID Boomerang (TOP LEVEL)

Effective Date 09/08/2021
Business Object [INTH0012 EIB Cost Center ReferenceID Boomerang \(TOP LEVEL\)](#)
Most Recent Used Date 09/07/2021

View Diagram

- Business Process Steps**
- Notifications
- Allowed Actions by Role
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- Related Links
- Available Rules & Fields

Business Process Steps 3 items

Step	Order	Type	Specify	Group	Optional	All	Run As User	Due Date
🔍	a	Initiation			No			
🔍	b	Service	Fire Integration		No			
🔍		Integration			No			

Configure Web Service ...

Boomerang: EIB Business Process

View Business Process Definition Integration Process Event for INTH0012 EIB Cost Center ReferenceID Boomerang (TOP LEVEL)

Effective Date 09/08/2021

Business Object INTH0012 EIB Cost Center ReferenceID Boomerang (TOP LEVEL)

Most Recent Used Date

[View Diagram](#)

Configure Integration Step Integration Process Event for INTH0012 EIB Cost Center ReferenceID Boomerang (TOP LEVEL) step c - Integration

Run As User

Integration Configuration

Request Name

Static Text

Dynamic using

Integration Web Service Requester

Integration Criteria 1 item

Step	Provider	Field	Value Type	Value
	Web Service Requester			
		<input checked="" type="checkbox"/> Input Document	<input type="text" value="Determine Value at Runtime"/>	<input type="text" value="x Deliverable Documents"/>
		<input checked="" type="checkbox"/> Web Service	<input type="text" value="Specify Value"/>	<input type="text" value="x Integrations (Public)"/>
		<input checked="" type="checkbox"/> Web Service API Version	<input type="text" value="Specify Value"/>	<input type="text" value="x v36.0"/>

All	Run As User	Due Date

[Configure](#)

Update Location Latitude and Longitude in Workday

Our career site requires us to Geocode our numerous locations inside Workday. I've handled this process using several different methodologies (EIBs, manual), but after a recent acquisition we had our location count grow by > 500. Enter another boomerang integration!

BEFORE

Date of Last Change	09/05/2021	Coordinates
Location Chain	ARE - Dubai - Al Faris	Latitude
Inactive	No	Longitude
Location Type	OFFICE	Altitude 0
Location Attributes	(empty)	

AFTER

Date of Last Change	09/05/2021	Coordinates
Location Chain	ARE - Dubai - Al Faris	Latitude 25.230321
Inactive	No	Longitude 55.324045
Location Type	OFFICE	Altitude 0
Location Attributes	(empty)	

Correct Worker Name Capitalization

When using an integrated recruiting system (or Workday Recruiting) when a candidate's name is in all capitals on an imported resume, it tends to make it's way into Workday in all capital letters during the hire.

Using a combination of Calc Fields, a Custom Report, and a Studio integration this can be corrected.

Sample:

ROBERT SMITH → Robert Smith.

Note this does not work for complex name capitalization like Emily VanCamp.

Rescind Business Processes

Can be used to Rescind Future dated payments to Terminated Workers

BEFORE

Worker History 81 items

Business Process	Effective Date	Initiated On	Due Date	Completed On	Status
One-Time Payment: Brooke Garcia (Terminated) - Talent Acquisition Partner	09/01/2021	08/27/2021 10:45:57 AM	09/03/2021	08/27/2021 10:47:04 AM	Successfully Completed

AFTER

Worker History 81 items

Business Process	Effective Date	Initiated On	Due Date	Completed On	Status
One-Time Payment: Brooke Garcia (Terminated) - Talent Acquisition Partner	09/01/2021	08/27/2021 10:45:57 AM	09/03/2021	08/27/2021 10:47:04 AM	Rescinded

Cancel Future Time off Requests for Terminated Workers

This use case allows for all future dated Time Off Requests for a Terminated worker to be cancelled automatically.

The use case came about for companies that had a “revolving door” where workers would be terminated and rehired.

If the time off request is not cancelled, it would still be in place after the rehire.

Update Work Email in Workday

This use case has a couple sub-cases:

- **Add a Work email AFTER on the workers Hire Date**
 - **This allows system emails to be sent to the pre-hire's personal email. In order to use this, the 'prefix' of the email (everything before the @) must be either stored or easily derived.**
- **Remove a Work Email for a Terminated Worker**
 - **This allows any system messages to be again sent to the former workers home email.**

Auto enable Service Accounts and Implementers in SBX

This use case allows for Implementer accounts to be disabled in Production but enabled in Sandbox after a weekly refresh.

Person	aadil-impl / Ahmed Adil (Workday Account)
Email Address for Notifications	(empty)
User Name	aadil-impl
Password Rules	Your new password must not be the same as your c character types must be represented: alphabetic ch not have been used within the following number of
Days Since Last Password Change	963
Require New Password at Next Sign In	Yes
Reset Challenge Questions	Yes
Multi-factor Authentication	
Exempt Account	No
Grace Period Enabled	Yes
Grace Period Signins Remaining	3
Account Disabled	Yes
Do Not Allow UI Sessions	No
Account Expiration Date	(empty)

Person	aadil-impl / Ahmed Adil (Workday Account)
Email Address for Notifications	(empty)
User Name	aadil-impl
Password Rules	Your new password must not be the same a character types must be represented: alpha not have been used within the following num
Days Since Last Password Change	963
Require New Password at Next Sign In	Yes
Reset Challenge Questions	Yes
Multi-factor Authentication	
Exempt Account	No
Grace Period Enabled	Yes
Grace Period Signins Remaining	3
Account Disabled	No
Do Not Allow UI Sessions	No
Account Expiration Date	(empty)