

# Strategies for Error Handling

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boomi





# Brad Detlefsen

Events Leader & Senior Integration Captain

# DISRUPTION





**Slow  
Response  
Time**



**Long  
Resolution  
Time**

# Error Handling



Helps all these problems

Imagine: You're interfacing orders from your CRM to your ERP...

...and there's an ERP outage



# Agenda

**01** Error Handling in Boomi

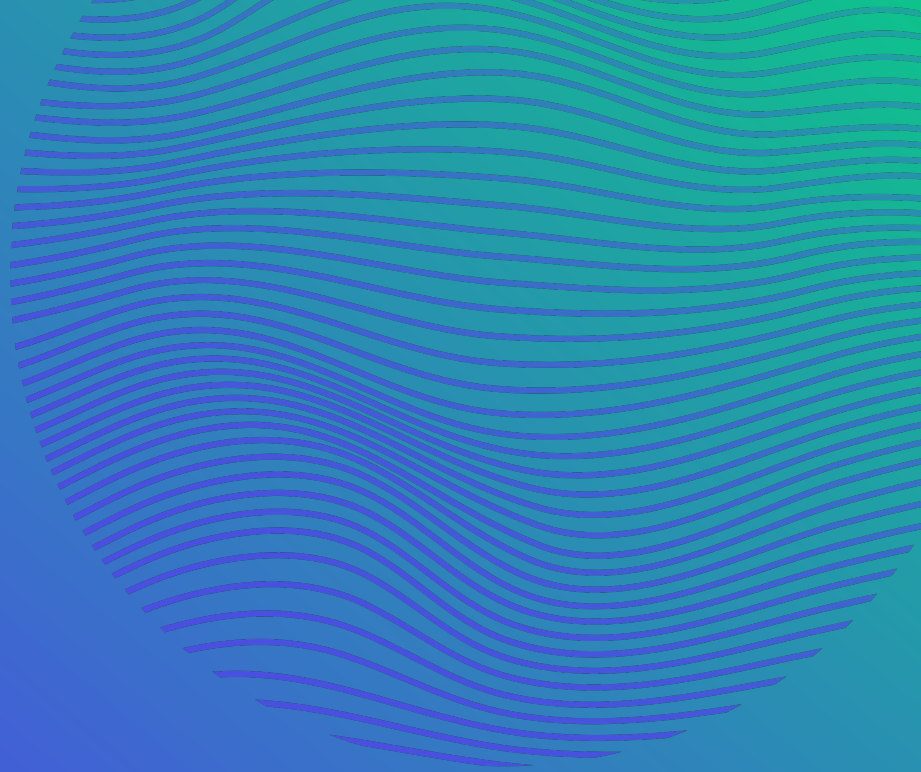
**02** Capture

**03** Notify

**04** Retry

**05** Q&A

# Error Handling in Boomi





# What is Error Handling for Integrations in Boomi?

Troubleshooting starts with Error Handling:

- Process Errors
- Document Errors
- Runtime Errors

Boomi error handling is **Customizable** and **Configurable**



# Error Handling Tenets

## **Capture:**

When an error occurs,  
gather details about it

## **Why?**

Troubleshooting

## **Notify:**

Proactively send error  
information

## **Why?**

Response Time

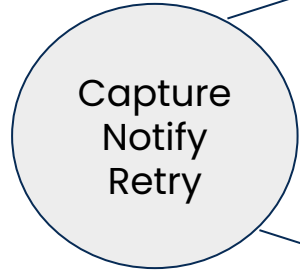
## **Retry:**

Error Recovery

## **Why?**

Back to Good

# Any Scale



## Basic:

Out of the Box  
No Additional Cost

## Moderate:

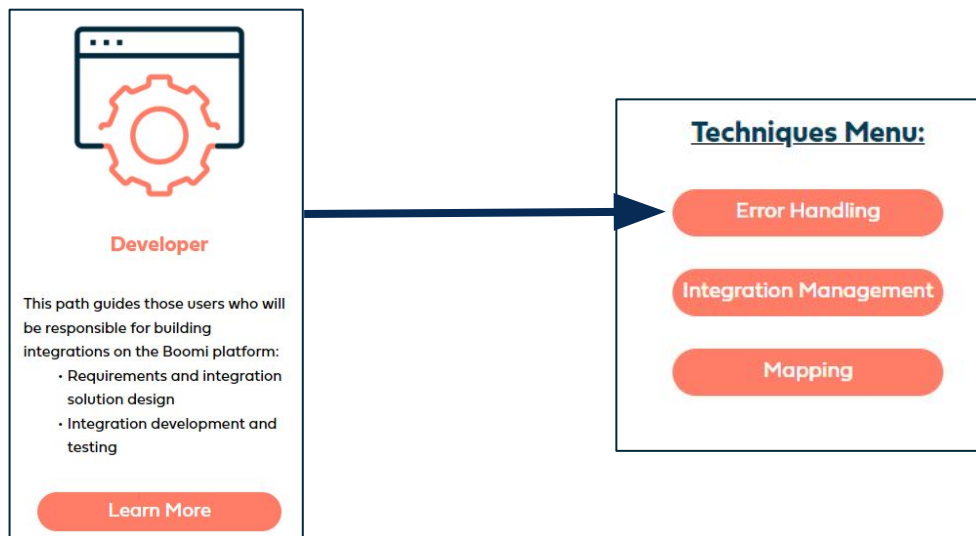
Basic PLUS  
Reusability  
Repeatability

## Advanced:

Moderate PLUS  
Scalability  
Consistency

# In the Boomi Community

## Role-Based Paths



**Capture**

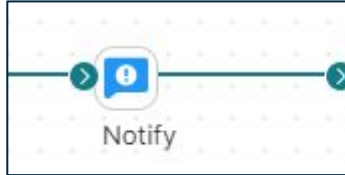


# Basic Capture

## Out of the Box

### Add data to logs

- Notify Shape



### Force Error State

- Exception Shape



### Find document among hundreds

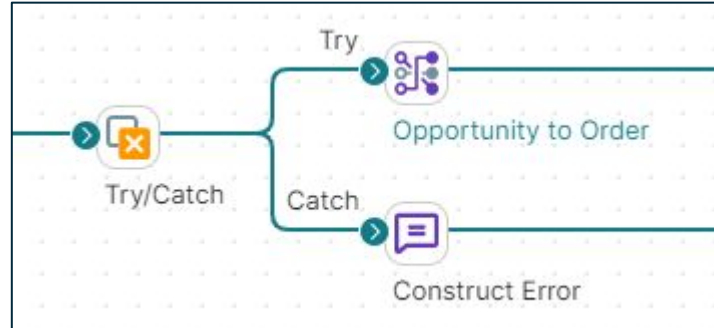
- Document Tracking

Options	Archiving	Tracking
Tracked Fields (required) ⓘ		Field Values
+ ✎ ✖		+ ✎ ✖ ⬆ ⬇
Order Number		Flat File Profile - Order Details - OrderID
Due Date		(Record/Elements/OrderID)

# Moderate Capture

Reusability and Repeatability

- Try/Catch Shape



- Common error handling processes from Process Library

[Email Error Handler Subprocess Basics: Examples](#)

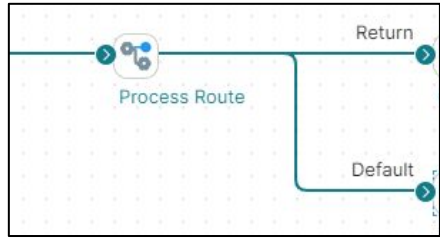
*Published on 23 Feb 2021 11:49:52 by Boomi*

[Install](#)

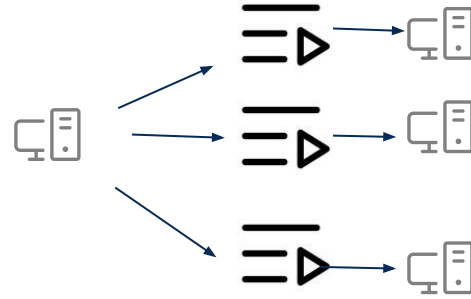
# Advanced Capture

## Scalability and Consistency

- Decoupled Deployment with Process Route



- Decoupled Processing with Queues



## Parking Lot

Process 1	Error 1	Data 1
Process 1	Error 2	Data 2
Process 2	Error 3	Data 3
Process 2	Error 4	Data 4
Process 3	Error 5	Data 5



**Notify**



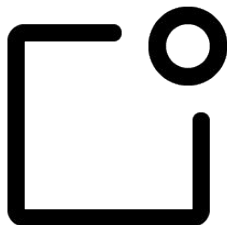
# Basic Notify

Out of the Box



Email Alerts

The screenshot shows the Boomi user interface for the 'Email Alerts' settings page. The top navigation bar includes 'Home', 'Services', 'Resources', 'Boomi Labs', 'Settings', and the user name 'boomi\_brad\_detlefsen'. The left sidebar lists various settings categories, with 'Email Alerts' selected. The main content area has a title 'Email Alerts' and a description: 'Add, edit, and delete email subscriptions and set up email alerts for a distribution list on the Email Alerts page. You can set up subscriptions to receive emails reporting Atom status, process execution status, or user notifications. This page contains user-level subscription settings for all of the Boomi accounts that you can access with your user name.' Below the text are tabs for 'Integration' and 'Hub', and an 'Add Email Alert' button. A table below shows a list of accounts with columns for 'Actions', 'Log Level', 'Event Type', 'Account ID', and 'Account Name'. One row is visible with 'ERROR' in the Log Level column and 'PROCESS.EXECUTION' in the Event Type column.



Events Framework

Email
RSS Feed
Boomi Platform API
Process Log

# Moderate Notify

## Reusability and Repeatability

### Custom emails referencing Error Properties

- Configurable Mail Connector
- Configurable recipients
- Example data:
  - Date, time, link to process reporting – Execution Properties

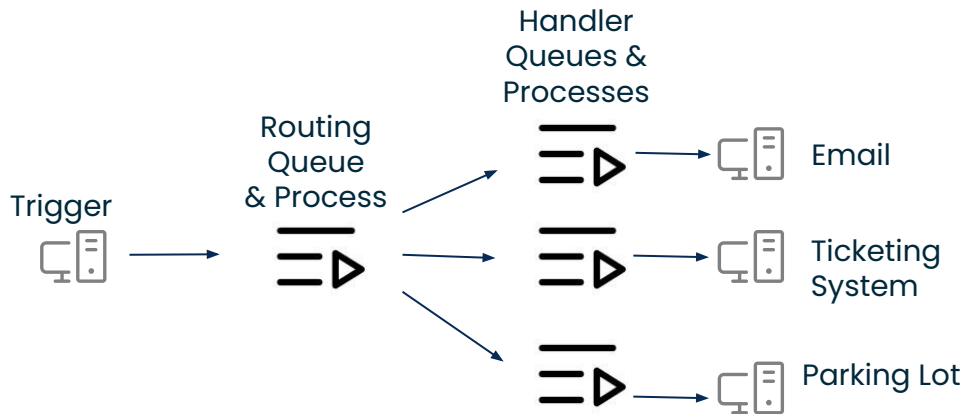


<https://platform.boomi.com/AtomSphere.html#reporting;accountId=<ACCOUNT-ID-HERE>;executionId=<EXECUTION-ID-HERE>>

# Advanced Notify

## Scalability and Consistency

- Email Alerts as a Backup
- Decoupled Notification Routine



**Retry**



# Basic Retry

## Out of the Box

- Scheduling Screen
  - Scheduled retry

### Scheduling

Schedule when this process runs on the Atom. The times scheduled will run based on the Atom's time zone, which is (UTC-05:00) Eastern Daylight Time, which may not be the same as the local time zone where the schedule was created.

Execution Retry

Maximum Number of Retries

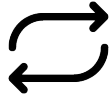
- Process Reporting
  - Manual Retry

**(Start) Disk v2**  
Connection disk-sdk  
Operation Disk Get

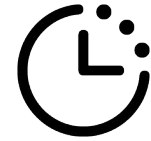
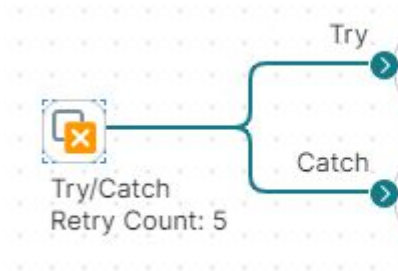
<input type="checkbox"/>	ID	Actions	File Name	Directory	Created Date	Modified Date	File Size
<input type="checkbox"/>	1		NamesIdeas.txt	C:\Names	2023-06-15T09:51:5	2023-11-17T10:51:2	130

# Moderate Retry

Reusability and Repeatability



Try/Catch Retry



Timing (after initial try)

- Immediate
- 10 Seconds
- 30 Seconds
- 1 minute
- 2 minutes

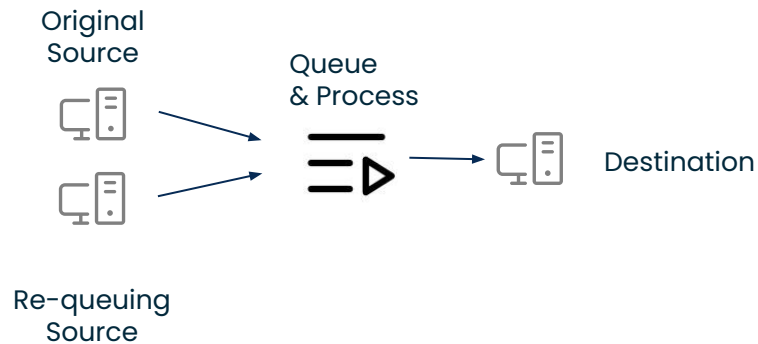
# Advanced Retry

Scalability and Consistency

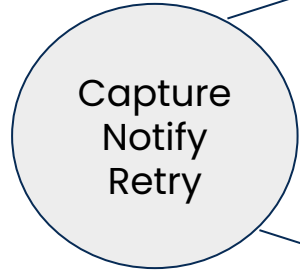
## Retry integrations



## Re-Queuing



# Summary



## Basic:

Out of the Box  
No Additional Cost

## Moderate:

Basic PLUS  
Reusability  
Repeatability

## Advanced:

Moderate PLUS  
Scalability  
Consistency

**Questions?**

