

Ask the Expert: Integration Development Q&A Session

Regan Knepp, Community Events & User Groups Lead, Boomi

boomi

Upcoming June Events

● Business Process Automation with Netsuite

Date: June 20, 2024, 10:00am [EDT](#)

Registration: Please Register [here](#)

Agenda: Join Julia Mosur as she speaks to best-practices for eCommerce process automation using Boomi. You will gain invaluable insights with an overview of the Boomi-NetSuite Integration Playbook, dive into key business processes for eCommerce companies, explore common integration use cases and applications, and discover pre-built recipes.

● Document and Process Properties

Date: June 20, 2024, 11:30am [EDT](#)

Registration: Please Register [here](#)

Agenda: What is a Boomi Document? What's the difference between Document Properties and Process Properties, and how do I use them? Join Senior Integration Captain Brad Detlefsen as he explains these details, talks through use cases, and reveals some tips and tricks. Bring your questions!

Other Events:

● Document and Process Properties [APJ]

Date: June 4, 2024, 12:00pm [AEST](#)

Registration: Please Register [here](#)

Agenda: What is a Boomi Document? What's the difference between Document Properties and Process Properties, and how do I use them? Join Senior Integration Captain Brad Detlefsen as he explains these details, talks through use cases, and reveals some tips and tricks. Bring your questions!



Tessa Karlovitz

Integration Consultant

- Integration Consultant with Boomi for 2 years
- Based out of San Francisco, CA
- Background in Data Science, especially with databases

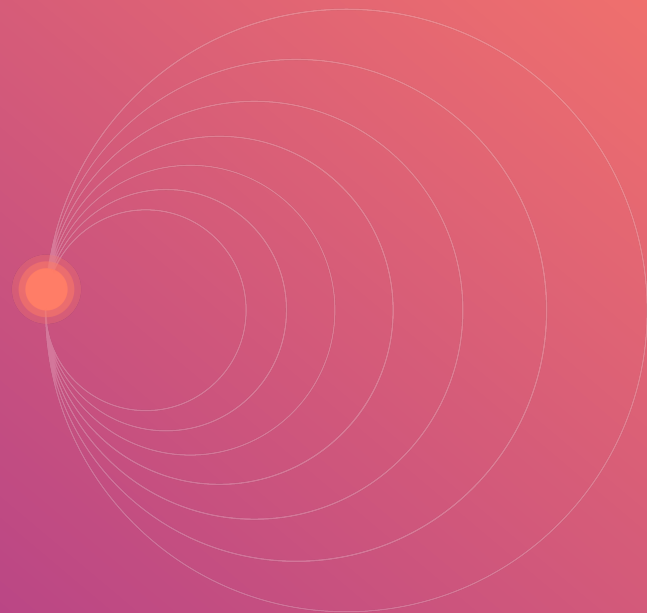
Questions



Question:

Would like to learn about troubleshooting techniques and about security.

How to configure a role that has the ability to troubleshoot in depth, but not the ability to develop or deploy?



Troubleshooting

Troubleshooting Techniques

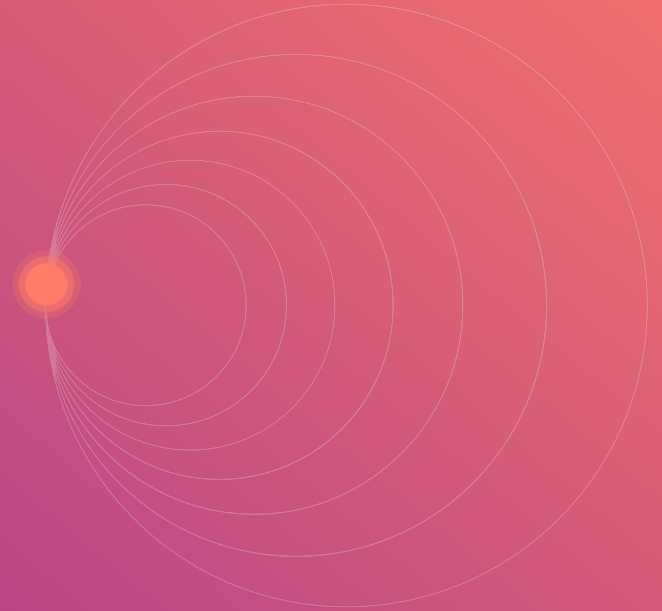
- Return Document Shapes
 - Allows you to see the document in process reporting
- Document Tracking
 - Can add specific fields to be easily tracked in process reporting
 - Allowed to make 25 variables so advise to make them high level fields
 - <https://community.boomi.com/s/article/documenttrackingbestpractices>
- Running with smaller examples in Build mode

Troubleshooting Roles

- View Audit Logs -- View and download audit logs
- View Data -- View data in process reporting.
- View Results -- View and monitor process execution activity and logs.
- Build Read Access -- Read access to processes and components.

Question:

What are some best practices around forking process without waiting for the child to finish?



Processes and Subprocesses

- You can fork a process without waiting for the subprocess to finish by unchecking the “Wait for process to complete” checkbox in the Process Call shape configuration. This allows the parent process to continue executing subsequent shapes without waiting for the subprocess to complete
- Note, if the subprocess is a pass-through process (the Start shape has Data Passthrough selected), this check box cannot be unchecked.

Process Call Shape

The Process Call shape allows you to execute another process from within a process. The subprocess call is considered a separate, distinct process execution. The subprocess execution results display on the Manage menu's Process Reporting page like a regularly executed process.


General

Display Name

Process

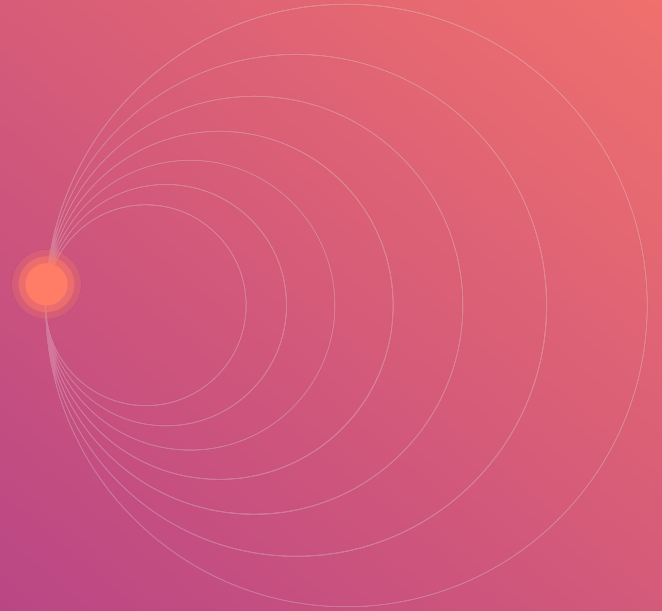
Options

Wait for process to complete 

Abort if subprocess fails 

Question:

We are starting to use Snowflake as a data warehouse and looking for tips and tricks in developing efficient integrations with this connection.



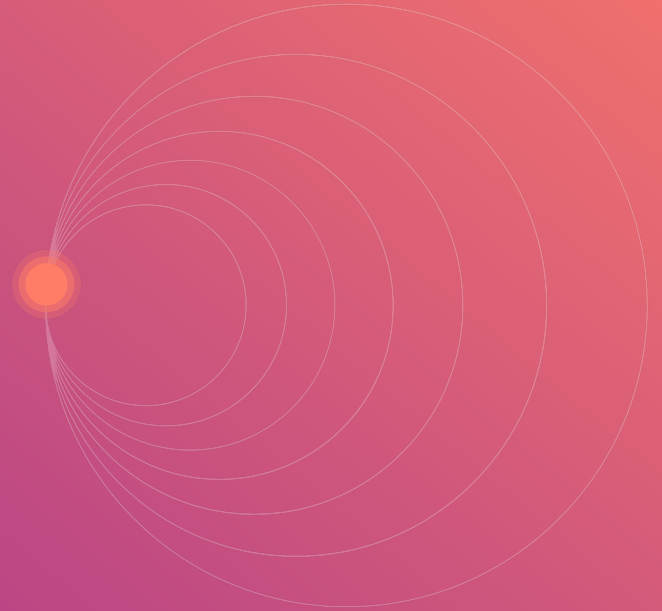


Snowflake

- Use the branded Snowflake connector
- The Snowflake connector supports these operations:
 - Create, Update, Get, Query, Delete, Execute, SnowSQL, Bulk Load, Bulk Unload
- Knowledge Article:
 - <https://community.boomi.com/s/article/Getting-Started-with-the-Snowflake-Connector>
- Work with JSON/XML

Question:

What is the best way to capture the request payload relating back to the response in Boomi?



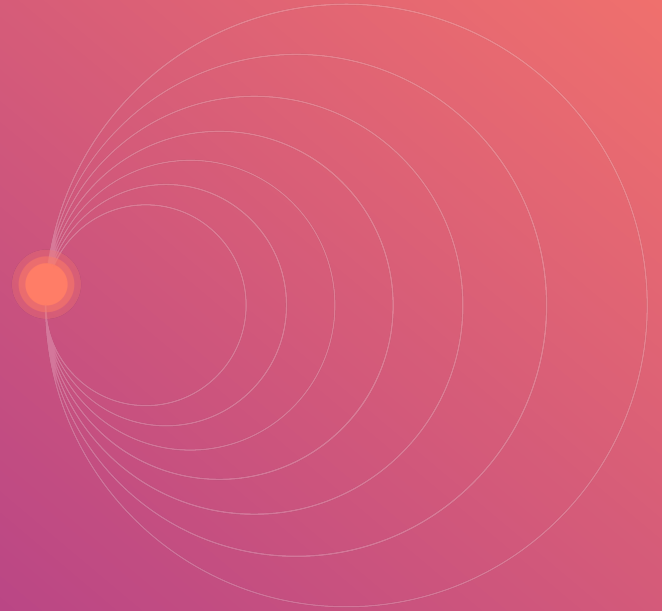


Request Payload

- Return document shape before the HTTP call
- Notify shape before the HTTP call
- Note it does truncate to 10k characters but that normally is still enough information
- To get around the truncation can write a Groovy script to write current data if necessary
- For single payloads, store the payload in a Dynamic Process Property before the call. Retrieve the DPP after the call and return it via email, with a return document shape, or notify shape

Question:

What are some best practices for
Salesforce and NetSuite Integration?



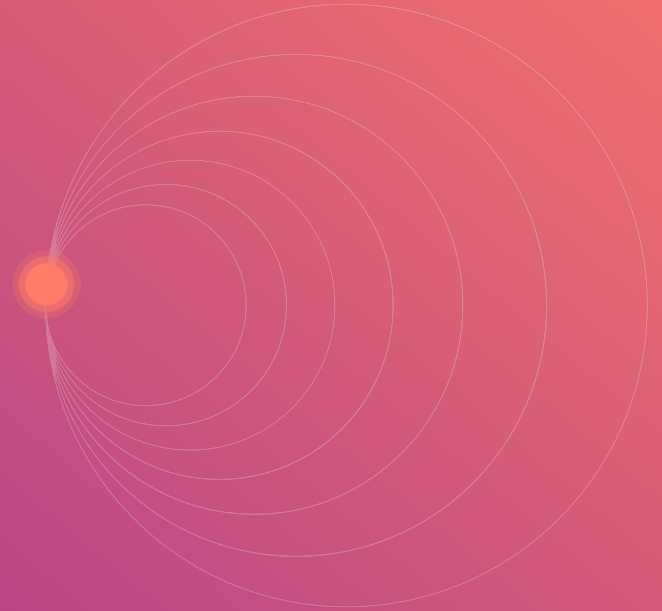


Salesforce and NetSuite

- For Salesforce and NetSuite integrations, ensure data consistency by implementing robust data validation and transformation rules
- Use Boomi's branded connectors and templates to simplify mapping and reduce development time
- Schedule regular data synchronization to keep both systems updated
- Employ error handling mechanisms to manage and log integration failures for quick resolution
- Test everything in a sandbox environment that mirrors production before going live

Question:

What are your recommendations on CI/CD (with Jenkins)? What are the best ways to de-couple integrations?





CICD – Continuous Integration, Continuous Deployment

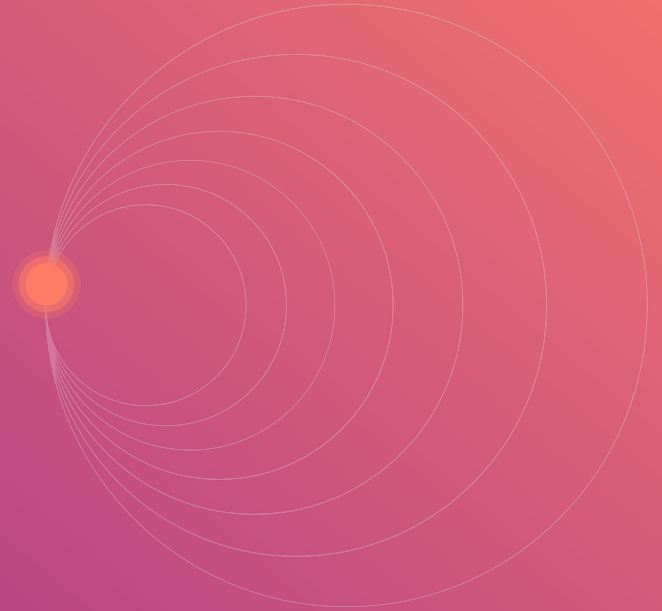
- For CICD with Boomi using Jenkins, focus on release and deploy
 - Especially for coordinating deployment of Boomi assets with non-Boomi dependencies
- Utilize the Boomi AtomSphere API to integrate with Jenkins for managing deployments, executing test scripts, and monitoring performance
- Benefits include a separation of duties between developers and release/deployment operations teams
- Enhanced auditability for compliance
- Organizational policies around standardization and consistency in general

Decoupling Integrations

- Review the use cases of the integrations
- Utilize subprocesses and routing if needed
 - <https://community.boomi.com/s/article/Getting-Started-with-the-Process-Route-Shape>
- Refactoring does take time but in the long run will help to make the integrations easier to understand and upkeep

Question:

Is it possible to put breakpoints into Boomi processes like someone can with programming languages?



Breakpoints

- Stop shapes where the “Continue processing other execution paths” is unchecked
- Exception shapes can be set to stop executing the entire process. This will fully exit the integration similar to what you do in code
 - Note it will show as a failure in process reporting

Stop Shape [?](#)

To end a process or to stop the further processing of a document, use the Stop shape. Keep in mind, the Stop shape does not generate an error message. If you want to generate an error, use the Exception shape.

Display Name

Options

Continue processing other execution paths [?](#)

Exception Shape [?](#)

To terminate the execution of one or all documents by marking as failed in Process Reporting with a custom error message, use the Exception shape. Exception messages a combination of static content and dynamic variables.

Exception shapes are often used when document data fails to meet certain conditions of a Route or Decision shape and the documents should not be processed further.

Display Name

Title [?](#)

On Failure Behavior [?](#)

Continue executing other documents

Stop executing the entire process and mark all documents as failed

Questions



Database V2 Connector

Additional information on using this connector

<https://community.boomi.com/s/article/Getting-started-with-the-Database-v2-Release-3-Connector>

https://help.boomi.com/docs/atomsphere/integration/connectors/int-database_v2_connector_7b04dbdd-ef36-4a2f-b6ff-b038b3f60ff2/

https://help.boomi.com/docs/atomsphere/integration/connectors/int-database_v2_operation_36b0cb58-24e1-42b7-8e2d-7343edcc73ac/

When using the Database V2 connector for upserts, it's best to ensure your primary or unique keys are correctly defined to avoid conflicts. Set the Commit Option to "Commit By Profile" to manage batch processing efficiently. I've also had more success when I did not use stored procedures.

Updates are still to come on the Product Roadmap. Follow along here:

<https://boomi.com/event/online/product-roadmap-webinar-series/>



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Be Bold. Be You. Be Boomi.