



Ask the Expert: Integration Development Q&A Session

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boomi



Upcoming Community Events

Ask the Expert: Flow + Integration Development

- **Date:** March 11, 2026
- **Time:** 12:00pm CET

Join us for Boomi Office Hours – your go-to Q&A session led by Boomi Professional Services experts!

Financial Services User Group

- **Date:** March 19, 2026
- **Time:** 11:00am EDT

This event brings together FS professionals, product experts, and peers to explore industry trends, share real-world experiences, and connect with others tackling similar challenges.

Ask the Expert: AI

- **Date:** March 26, 2022
- **Time:** 1:00pm EDT

Join us for Boomi Office Hours, a live Q&A with our experts offering real-time guidance and support.

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Tessa Karlovitz

Platform Architect
Boomi

- Joined Boomi in 2022
- Located in Las Vegas, NV
- 7+ years of experience in Information Technology
 - Integration Consultant
 - Systems & Software Engineering and Process Automation (Lockheed Martin)
 - AI/ML and Generative AI Application Development (Local & Cloud)
 - API Design, Cloud Architecture & SaaS Platforms
- Experienced with SaaS, Integration Platforms, DevOps, Full-Stack Development, and Automation
- Tech Stack: Boomi, Groovy, Java, Python, JavaScript, AWS, GCP, Docker, SQL





Questions





Question:

How do we integrate geospatial data across multiple platforms?



Geospatial Data

- Unified Data Orchestration: Use Boomi as the central hub to sync location data between CRMs, ERPs, and GIS platforms
- Standardized Geometry: Enforce universal formats and consistent coordinate systems to ensure data aligns across all maps and integrations.
- Automated Geocoding: Integrate real-time APIs to instantly convert physical addresses into actionable Lat/Long coordinates
- Master Data: Aggregate siloed data into single source of truth for spatial analysis, asset tracking, and territory management. (Boomi Hub)
- Seamless Interoperability: Bridge the gap between legacy on-premise spatial databases and modern cloud-native applications



Question:

Best practices for notify/logging to help expose record details and execution state to help troubleshoot process errors.

Logging and Error Handling

- Document Tracking allows you to capture key business data values from the documents being processed to help find those specific documents in Process Reporting for tracking and troubleshooting purposes.
 - Define Tracked Fields
 - Associated tracked fields with specific connector operations throughout the integration
 - View tracked fields as part of the process execution metadata
- Notify Shape
 - Include a notify shape in your integration with additional information. You can then view that information in your logs where you placed the notify shape. This is helpful if you need better visibility in the middle of your integration.



Question:

What are the best practices to integrate with AWS services/applications through Boomi for handling larger data payloads?

Explain the configuration level changes required to achieve the best performance for Realtime integrations via AWS.



Large Payloads and Real-Time Configurations

- Basic runtimes and runtime clusters generally work better for larger data payloads. Try to break the work into smaller chunks if at all possible. Minimize as much of the logic as possible as well, i.e., limit custom scripting, etc.
- Utilize low latency for your real-time integrations or at least bridge mode.
- Consider connection pooling where possible
- Configuration recommendations
 - Use C-family instance types (C5, C6, C7), with C7a being the most common customer choice.
 - Standard setup using Enhanced and Elastic Throughput Mode is recommended for most workloads.
 - Use Elastic Throughput for cost-efficiency until high-demand levels make Provisioned Throughput the more economical option.



Question:

What are Error Trapping Best Practices?



Error Handling Best Practices

- Boomi recommends a decoupled approach to error handling. Make a standardized error handling integration that your account will use. Have that integration start with a listener from Boomi Event Streams after which error messages will be sent to any error monitoring tool of your choice. In your main integrations have all error messages be sent to the Event Streams queue. This decouples the handling of the error from the main process and ensures all messages are dealt with
- Utilize try/catch messages
 - Pay attention to the type of error you are catching. Try/Catch messages can be set to catch Document Errors only or All Errors.



Question:

Is Boomi actively expanding their connector library to simplify connection to various end-systems?



Connector Expansion

- Yes, Boomi is always growing. Please take a look at our [Product Roadmap](#).
- In Q1 2026 we released the following new connectors
 - Amazon Bedrock (Tech Preview)
 - InEight
 - QAD Redzone
- Enhanced the following connectors
 - Microsoft Excel
 - Kintone (Tech Preview)
 - Database V2
 - OData Client
 - Microsoft Azure Blob Storage
- Upcoming Releases
 - Enhanced connectors for ServiceNow and Workday, Kafka support for ARVO serialization, a new NetSuite REST connector, security updates for Salesforce, and more



Question:

1. Find Changes

I randomly ran into this shape and am not sure what the proper use cases are for this. Learning about this would be interesting.

2. Mime Properties

I've never used this and am not sure what the functionality/intent of these properties are.



Find Changes Shape

- Use the Find Changes shape to detect how records change between the current process execution and the previously stored state.
- When to use Find Changes
 - You receive a full dataset on every run and must detect adds, updates, and deletes
 - The source system cannot provide incremental change queries, i.e., no “updated since” filter
 - You need a lightweight change data capture solution
 - Record structure and keys remain stable across executions
- ****Note only use this shape when you always receive full datasets. If the incoming document set is not a complete set of all records the find changes step treats missing records as deletes**

MIME Properties

- MIME (Multipurpose Internet Mail Extensions) properties are metadata headers that describe the nature and format of a document.
- MIME properties are defined or arbitrary values that you can use to attach MIME document headers to documents within your integration process.
- A common example would be setting MIME properties for an HTTP Client connector step, i.e., set Content-Type to application/pdf
- These properties are set in the Set Properties step



Question:

How can I expand my knowledge after I completed the certification courses? Is there a way I can go back through old certification courses?



Certification Courses

- You can redo courses that you have already completed
- Review courses on train.boomi.com. Expanding past the Integration courses will still help expand your knowledge on the whole Boomi platform.
- There are many “Boomi Bytes” which are smaller courses on targeted subjects, for example there is now an Open Telemetry course that could be very useful for some clients



Question:

I'm calling a Snowflake procedure via a Snowflake connector. I have the connection set up with the exact parameters as in my Snowflake session. When I run the CALL command from Snowflake, the procedure runs without issue. When I run it from the Snowflake connector, I get error "Stored procedure execution error: Scoped transaction started in stored procedure is incomplete and it was rolled back." I have tried this as a Snow SQL command, and as an EXECUTE action.



Snowflake

- What is your runtime setup? The snowflake connector is not supported with Boomi Public Cloud or DCS
- Provide inputs via a message shape before the Snowflake connector. Review documentation [here](#).
- Suggest utilizing Boomi Support or Boomi Professional Services



Question:

For Oracle Databases, I've read that the Database V2 connector is preferable to the Oracle Connector. Just wanted to confirm.

Database V2 vs Oracle

- Both the Oracle and Database v2 connectors share a similar underlying framework, ensuring consistent performance and reliability.
 - The Oracle connector has some pre-configured defaults for Oracle environments
 - The Database v2 connector fully supports Oracle as well
- In general, I would recommend using the DBv2 connector since that is more broadly used and personally the one I usually use with all databases.



Question:

We have cases where we need to make http calls to retrieve or send data. When the vendor has one base URL for authorization and a different base URL to download data how do you manage this so its not burning 2 connector licenses?

Multiple URLs

- Is this a case of OAuth2? You can set the authorization token url in the connection which can be different from the main url
- If not, try to set the main url to be very basic like `https://` and then set the rest of the url in the operation under resource path
- To vary the resource path set that as a replacement variable. Before the HTTP step you would need to set the dynamic document property which would contain the rest of the base url and any additional parts of the path. You could utilize process properties to be able to extend this and change the url based on environment.



Question:

Using a disc connector and polling for a new file, how can we be certain the file is not being written to when the boomi trigger is fired to ensure we get the full contents?



Disk File Locking

- Boomi does not inherently provide file locking. When performing a GET call with the Disk v2 connector you get additional data such as Created Date and Modify Date. You could have some logic to verify the Created Date and if it is too close to current time try to pull the file again.
- Your OS may have locking features enabled in which case the GET call would receive an error message which would indicate that the file is locked.
- Is your file on the disk being updated on a schedule? If so you can set the Boomi process to run on a schedule and ensure it does not overlap.



Question:

Is there a setting to deal with the latest update causing config warning on every start shape?



Confirm Process Options

- New Efficiency Feature
 - Smart Halting: Processes now automatically stop if a step generates no documents.
 - Reduced Errors: Prevents downstream failures and minimizes exceptions in both Test Mode and production runs.
 - Optimized Performance: Improves overall process efficiency by cutting unnecessary execution steps.
- Impact & Compatibility
 - Existing Processes: Feature is Disabled by default; no backward-compatibility risks.
 - New Processes: Feature is Enabled by default to ensure best practices from the start.
 - Canvas Guidance: Users will see a "Confirm process options" prompt on existing flows.
- Note: This guidance can be dismissed or ignored without affecting execution



Question:

How does Boomi integrates with existing Enterprise ERP system, such as Student Information System or HR system. I understand it can be API or integrate directly with the database. Can you talk pro and con?



Enterprise Systems

- Boomi serves as the central middleware layer connecting your Enterprise systems (SIS, HRIS, ERP). While Boomi supports multiple methods, the choice between API-led and Database-led integration depends on your specific business needs.
- Whenever possible, we recommend using Branded Connectors (e.g., Salesforce, Workday, NetSuite). These use the application's API under the hood but simplify the configuration.
- For Direct Database Integrations this involves Boomi connecting directly to the system's underlying SQL or Oracle database using a database connector.
 - This is recommended for high-volume data warehousing, historical migrations, or when a legacy system lacks a modern API.



Question:

How does Boomi support an event-driven architecture with the above integration? Does Boomi emit an event or ingest an event?



Event-Driven Architecture

- Boomi supports event-driven architecture. You can set up an integration process with a listener that would be deployed to your environment. It would be able to ingest the message and proceed with the integration as defined.
- Boomi can also send a message to a different listener using the HTTP Client or REST Client shapes. This would allow Boomi to hit a resource and trigger an event
- Boomi integrations can be set to real-time or batch. Batch processes can be triggered manually or on a schedule defined in your runtime management.
- Boomi Event Streams



Question:

What is the data governance capability? Is it correct that Boomi can revoke access retroactively?



Data Governance

- Boomi provides data governance capabilities primarily through access control, API management, and security controls.
- Boomi's data governance features focus on controlling who can access data, how data is transmitted, and how API access is managed. This includes:
 - Role-based access control for users and APIs
 - API management to define, monitor, and enforce access policies
 - Security controls for data transmission and storage
- For example, Boomi API Management allows you to manage API access privileges, set up access control in developer portals, and augment access management with third-party tools
- Boomi can revoke a user's access to APIs, integrations, or platform features going forward. However, if a user has already accessed or downloaded data, Boomi cannot retroactively revoke their access to that data.



Questions



Additional Resources from the session

- **Azure database connection** - you would need to download the Azure database driver from Microsoft and upload it to Boomi. There's instructions in here:
 - https://help.boomi.com/docs/Atomsphere/Integration/Connectors/t-atm-Creating_a_Microsoft_Azure_Database_connection_442c426e-72d1-430b-8781-c741f097abee
- **Documentation for the new microsoft excel connector:**
 - https://help.boomi.com/docs/Atomsphere/Integration/Connectors/int-Excel_connector
- No specific information with **Ellucian Banner** but it looks like they do have a REST API so the client could integrate with it with our REST Client connector



Thank you