

Ask the Expert: Architecture Q&A Session

Brad Detlefsen
Senior Integration Captain
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Upcoming Events

<https://usergroups.boomi.com/>



FEB 12, 2025 - VIRTUAL EVENT - HIGHER EDUCATION

Higher Education User Group Virtual Meetup

Enablement Virtual Event

Please join us for a discussion about leveraging the Atomsphere APIs as well as our usual networking

VIEW DETAILS



FEB 18, 2025 - VIRTUAL EVENT - ENABLEMENT

Document and Process Properties

cohosted Enablement Integration Virtual Event

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!

VIEW DETAILS



MAR 4, 2025 - VIRTUAL EVENT - ASK THE EXPERT

Ask the Expert: Integration Development Q&A Session

cohosted Ask the Expert Integration Office Hours Virtual Event

Join us for Boomi Office Hours, a live Q&A session with Boomi Professional Services experts! Submit your questions when you register or bring them to the session. Get answers straight from the pros!

VIEW DETAILS



Brian Brinley

Senior Technical Architect, Boomi

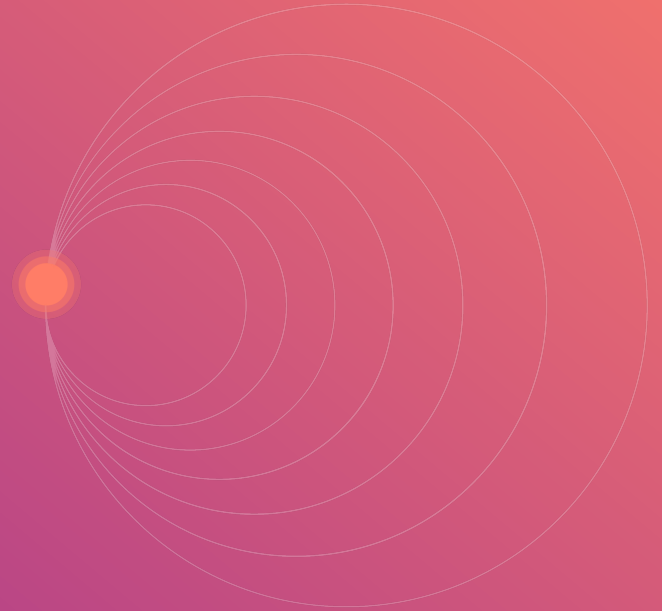
- Been involved with Boomi Architecture for 10 years.
 - Rollercoaster to Boomi: Customer > Partner > Customer > Employee
- Graduated of the New England Institute of Technology
- Over 25 years of Systems Administration, Application Development, and Life Cycle management under his belt.
- 10x Boomi Certified.
- Loves BBQ, camping and outdoor activities!


Questions



Question:

What strategies help you identify the best practices for building the architecture for integrations? What are some key questions that help you identify what solution would bring the most value?





What strategies help you identify the best practices for building the architecture for integrations

Pragmatism – Build for what’s known. Sometimes more can be lost from indecision than the wrong decision.

Decoupling – Find common denominators, separate functionality to reduce the impact of iterations of changes.

Idempotency – Replayability, what happens if/when this is replayed?

Multi Threading – Build for scale. Does your process require transactional sequencing or guaranteed order?

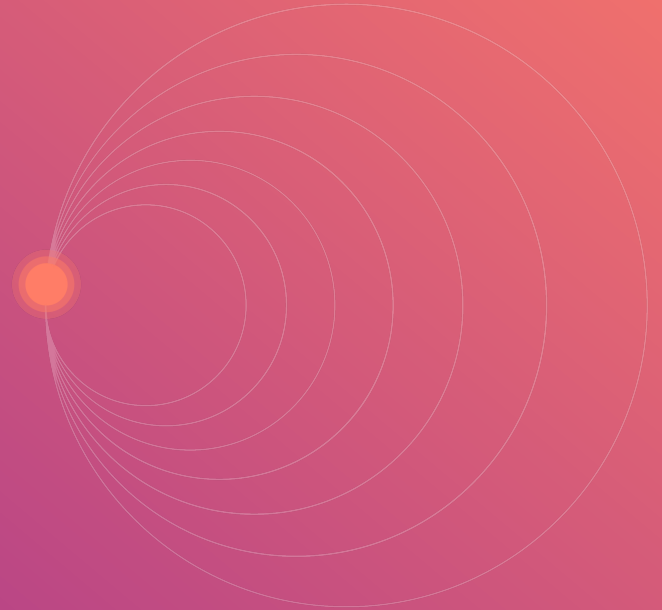
<https://community.boomi.com/s/article/Boomi-Blueprint-Integration-Patterns>

Question:

Mitigation of exposure to connectors being deprecated.

We have 100's of processes using connectors that are now considered "legacy". I don't want to spend hours of developer time, just to put us back in the same position when the next connector version is released. Looking for a way to minimize that exposure.

Specifically: SFTP, Disk Database.





Mitigation of exposure to connectors being deprecated.

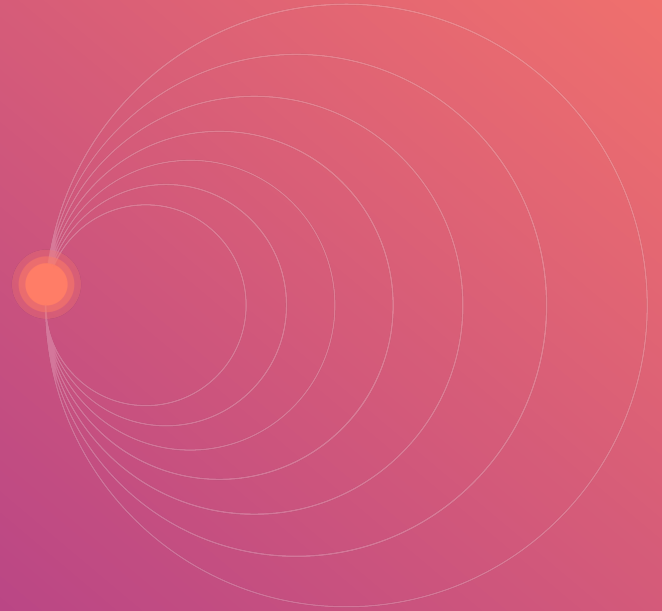
AI is the future..... As AI Agents are released its completely plausible that deprecation becomes arguably obsolete.

Boomi Insights - <https://boomi.com/platform/boomi-insights/>

Reusability - Process Routes, Event driven architecture, Canonical models all provide iterative steps towards sustainability

Question:

What determines the limit of throughput on the Platform?



What determines the limit of throughput on the Platform?

50:50 – Process Design and Architecture.

A poorly designed process can bring down an entire molecule, or deadlock concurrent executions.

A reference suggestion

Boomi Runtime T-shirt sizing**

Approximate size for a production Boomi runtimes, primary region only

Load balanced Atoms

Size	Description	Nodes	Size
Small	<500k txns/day	2-3	4x16x100*
Medium	500k-1m	3-5	8x32x200
Large	1m+	5-10	16x64x200

* vcpu x vmem x disk

** This table is pricing and sizing estimates only

Clustered Molecules / Cloud Molecules

Size	Transactions/day	Nodes	Size	File Share
Small	~500k* & < 1 GB/batch	3	4x16x100	200 GB / 50 MiBs
Medium	500k-1m & 1-2 GB/batch	3-5	8x32x200	500 GB / 50-150 MiBs
Large	1m+ & 2 GB/batch	5-10 [^]	8x32x200	1TB / 150+ MiBS

API Gateway & Broker

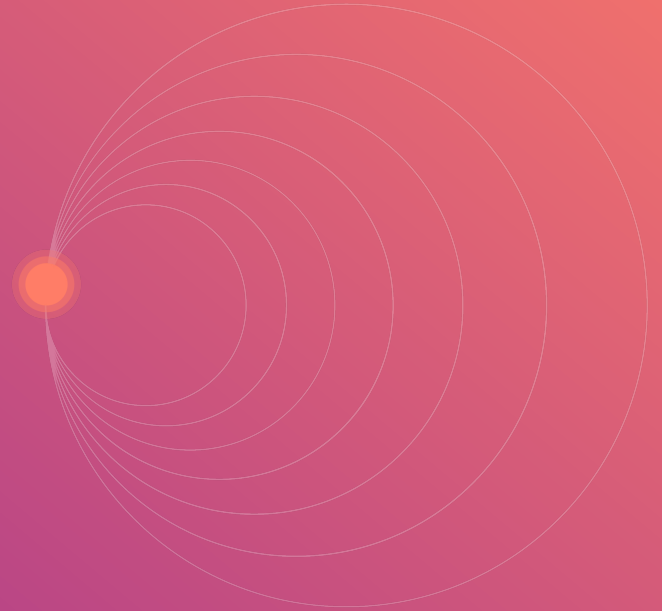
[^] No more than 10 nodes

Size	Description	Nodes	Size	File Share
Small	100k api	3 ⁺	4x16x100	200 GB / 50 MiBs
Medium	< 1m	3-4 ⁺	4x16x200	500 GB / 50-150 MiBs
Large	> 1m	3-4 ⁺⁺	8x32x200	1TB /150+ MiBS

* - shared broker + gateway ** separate VMs for broker - 3x4x16x100, Not to exceed 4 nodes

Question:

How do you conduct unit testing?



Unit Testing

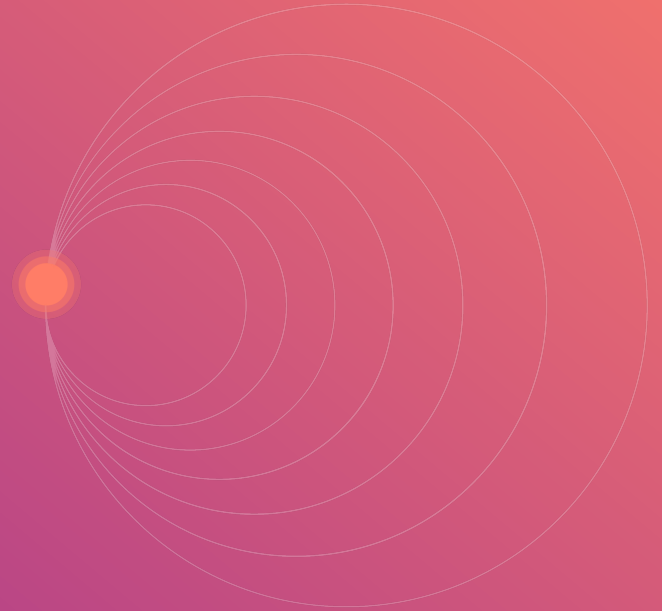
Test Harnesses - <https://community.boomi.com/s/article/Test-Harness>

Build listener processes that call Main processes.

Carefully consider dependencies of sub process for shared memory data sources, such as document caches, process properties, etc..

Question:

How do we define Microservices framework within Boomi and expose to outside parties?





Microservices

A free e-book is available –

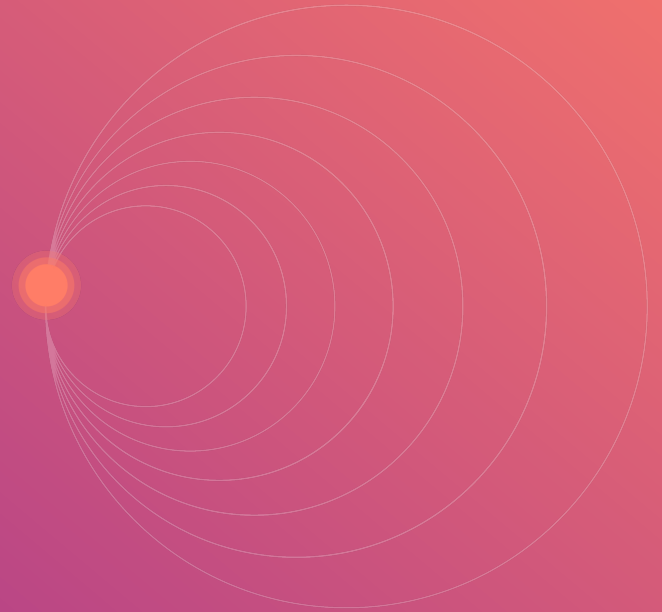
<https://boomi.com/content/ebook/microservices-architecture-product/>

Overview –

1. Build a logic grouping of common functionality. For example, Domain based APIs for CRUD operations.
2. Establish clear security consideration.
3. Consider scalability of services and consumer usage and limitations.

Question:

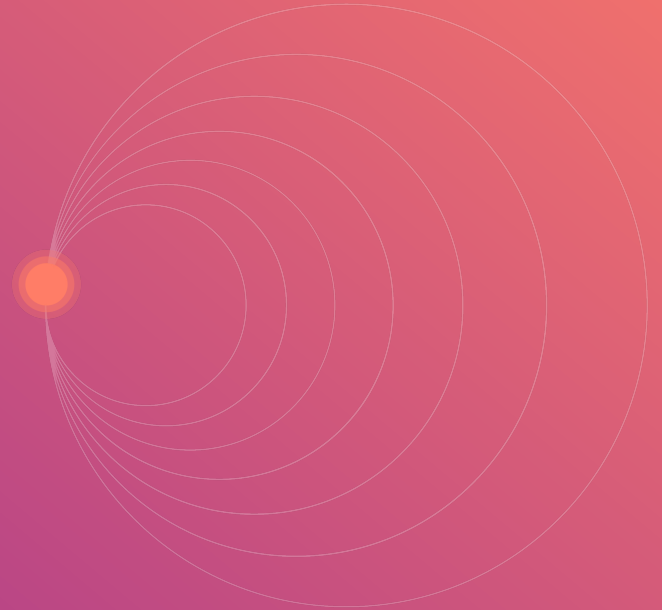
Boomi integration to get CRM access token and refresh token every 5 mins (since token expire every 5 mins)



Question:

Can you give information about how to learn about integrations with NetSuite?
What are some good training resources?

We recently implemented an integration with NS->SF.





Netsuite Integrations

Boomi Discover – <https://discover.boomi.com/>

51 Netsuite solutions.

5 Netsuite and Salesforce solutions.

Questions



THANK YOU!!

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