Ask the Expert: Architecture Q&A Session

Regan Knepp, Community Events & User Groups Lead, Boomi

boomi

Upcoming Community Events

Integrating Secure GenAI with Boomi + AWS

Date: July 31, 2024, 10:00am EDT
Registration: Please Register here
Agenda: This session will discuss Amazon Bedrock, Secure generative AI overall and share some possible example solutions that include both Boomi and AWS components.

Error Handling: Strategies for Any Scale

Date: August 8, 2024, 11:30am EST
Registration: Please Register here
Agenda: Join us for "Error Handling: Strategies for Any Scale" with Senior Integration Captain, Brad Detlefsen. Explore robust techniques focused on capture, notification, and retry. Gain insights through practical examples and advanced methodologies. The session concludes with a discussion and Q&A.

Boomi Integration 101

Date: July 25, 2024, 11:30am EDT
Registration: Please Register here
Agenda: Join us for a comprehensive integration session. We'll guide you through each step to ensure a successful integration. Learn how to transform requirements into a functional integration, conduct effective testing, and deploy it correctly. Whether you're a beginner or in need of a refresher, this session is perfect for you!

https://usergroups.boomi.com/

Sunny Bansal

Technical Architect, Boomi

- 16+ years of extensive experience in Integration, spanning across multiple industries across the globe.

- Has been with Boomi for last 4+ years and have proven experience in application integrations.

- I help customers in

  - Defining their integration architecture,

  - Building Integration design, and

  - Developing end to end Integration solutions.

- I enable customers on Boomi platform by provide services ranging from Architecture, Platform setup, Design, Build, deployment, CI/CD, performance review, Optimization, training, frameworks design and Platform assurance. Applications Integration, Data Quality Governance, and API management are my specialization areas.

Questions

Question:

Which level of knowledge required to Integrate with Azure Cloud? At the moment my employer has Azure Cloud Integrated and I would like to Integrate with that.

This could resolve configuring on-premises storage issues, improve Data security and Authentication.

Integrate with Azure Cloud

- 13+ Microsoft connectors (Blob Storage, Cosmos DB, DataLake, SQL DB....)

- 30+ Technology Connectors(HTTP, REST, SFTP, Disk, Database......)

- Real time or scheduled

- Need to know:

  - Azure service

  - Connectivity/networking (VPN, firewall...)

  - Access (OAuth, Graph API, Client Id/secret, username/pwd...)

- Steps:

  - The purpose, Select Azure service

  - Determine connector, configure connector

Question:

Does Boomi Event Streams have any specific message size limit and if so, what is the best way to handle large messages?
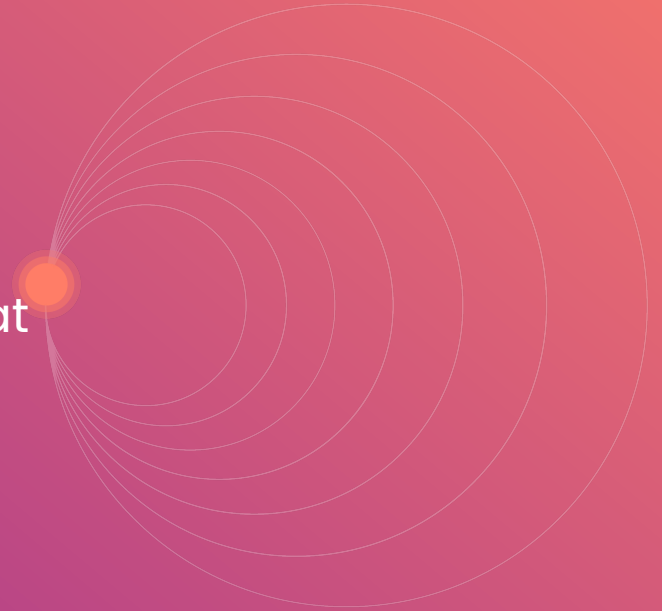
Event Streams

- Multi-tenant enterprise message queueing and streaming service.

- Fully hosted and managed by Boomi.

- Supports real-time, event driven integrations.

- Message Size 1 MB.

- Large Messaging handling

  - Batch/Split the message

  - Use Boomi Atom Queue

  - Use References than actual payload and fetch when required to process

- Factors to consider

  - Guaranteed deliver, Dead letter processing, management, throttling

Question:

How to retrieve the original filename from the Disk or Drive? How can I switch the environment?
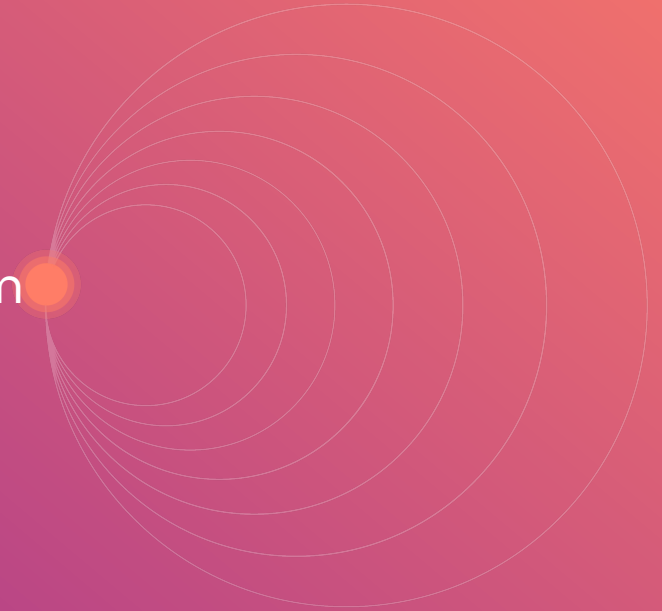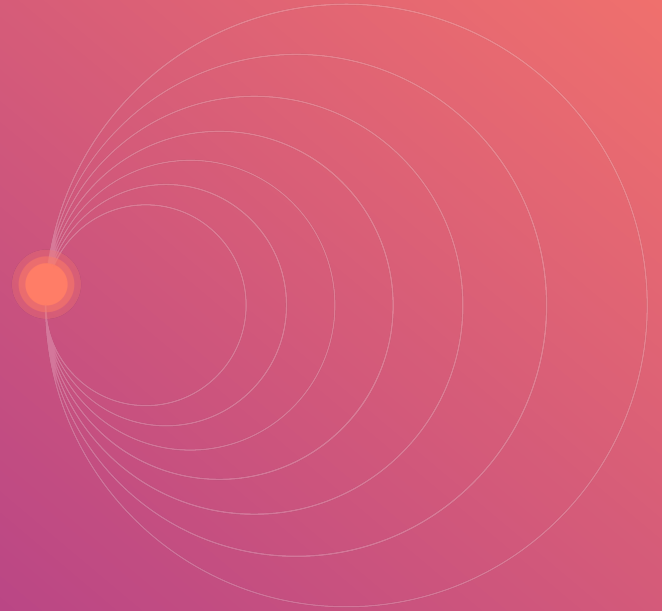
Disk V2 Connector

- Read / write files from local directory where the Boomi runtime is running.

- Use cases: Access shared storage, temp file write, file landing area.

- File name can be retrieved from the Disk V2 Connector response.(Demo)

- Environment can be switched by using extensions

Question:

How do you tackle slow performance when having multiple request to database?

Database Requests Performance

- Database limit – concurrent requests (read/write)

- Solution Design options:

  - Pub-Sub (Boomi Event Streams, Atom Queue)

  - Document Batching (Database V2 Operation)

  - Connection Pooling (max conn, max idle time, wait time, min conn)

- Other decision factors

  - Understand the expectations.

  - Understand the constraints

Question:

What are different ways other
organizations use Boomi Architecture?
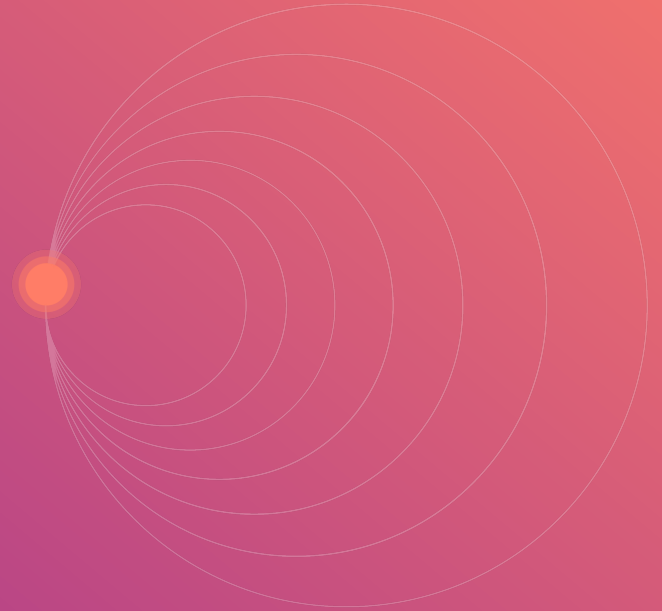
Boomi Architecture

Runtime Types

- Atom

- Molecule

- Public Cloud (Boomi)
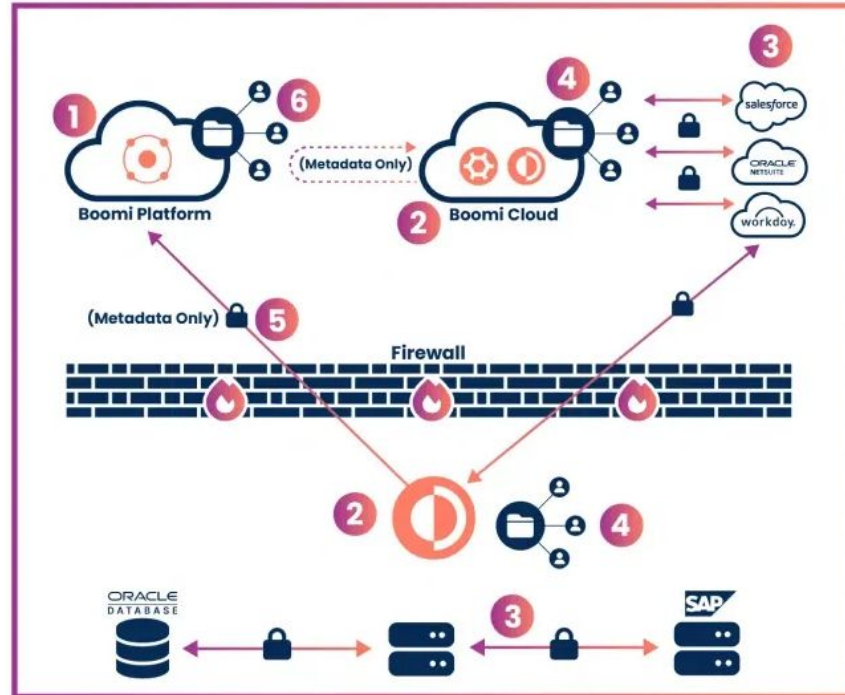
- Private Cloud

Hosting options

- On-premise

- Cloud

- Hybrid

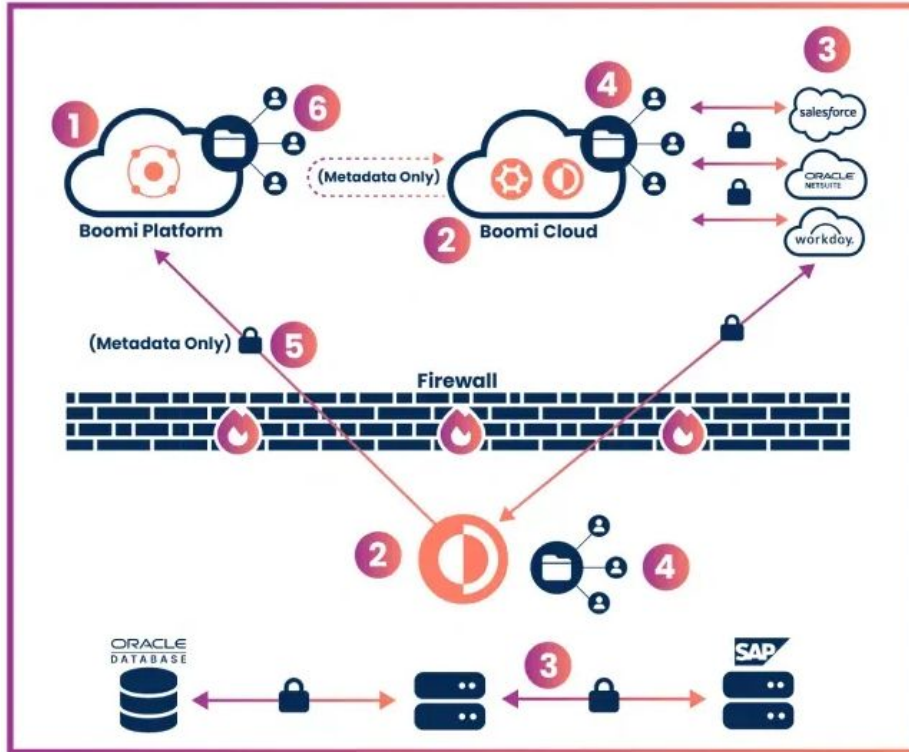Provisioning and Management: Customer or Boomi(Managed Cloud Service)
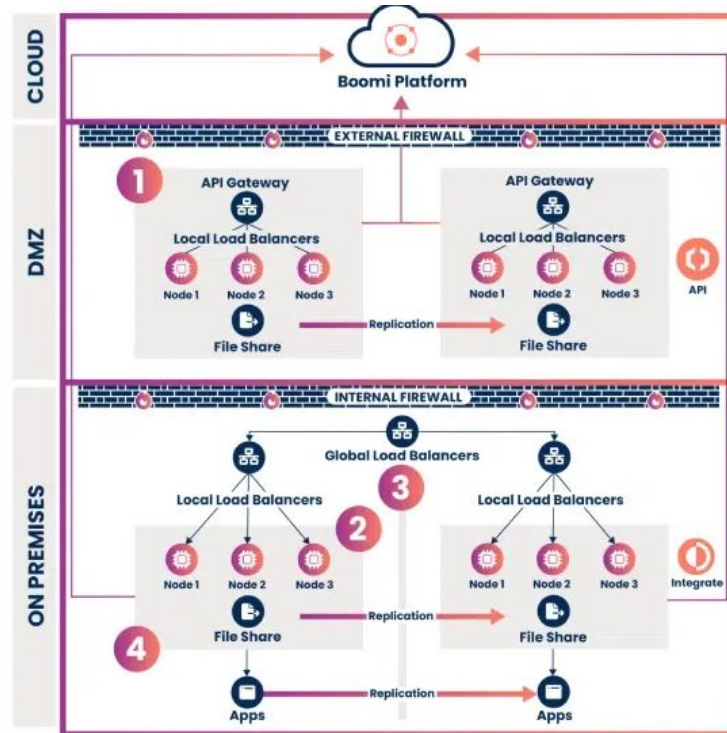
Boomi Architecture

One platform

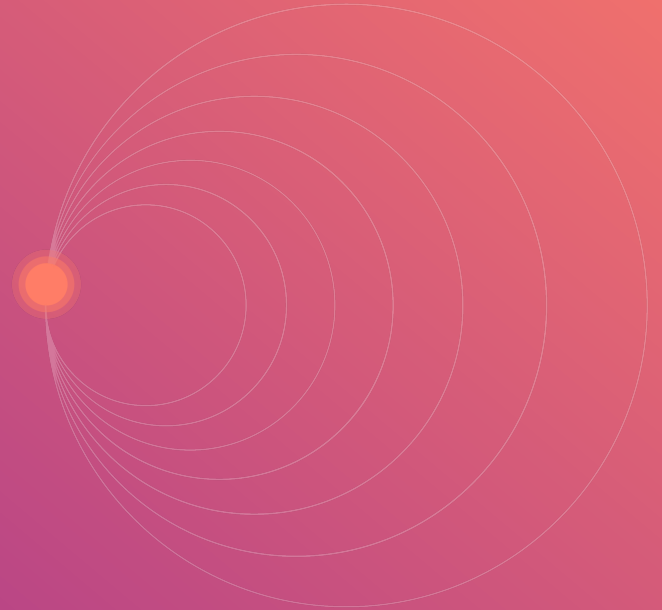# Boomi Architecture

Cloud Hosting

Boomi Architecture

Local Hosting

Question:

What tools exist to support documentation of processes & flows?

Documentation

- Interface Matrix

- Boomi AI Agent - Boomi Scribe

- Boomi AtomSphere APIs

We are Boomi.

Be Bold. Be You. Be Boomi.