



TGH

Making Integrations Simpler



Migration of deployed process from one environment to another using Boomi Atmosphere API

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Migration of Deployed processes from one environment to another environment using Boomi Atom sphere API

Boomi Atomsphere API:

- This Boomi AtomSphere API is one of the standard connectors provided by the Boomi
- The Boomi AtomSphere API connector enables you to perform the object-based operations and actions exposed in the AtomSphere API
- The Boomi AtomSphere API connector is designed to connect seamlessly with Boomi Integration
- Deploying a Boomi AtomSphere API connector does not affect your license count. You can deploy this connector unlimited times across Atoms and Environments

Actions of Boomi AtomSphere API:

The Boomi AtomSphere API has different actions, i.e.

1. Get
2. Query
3. Create
4. Update
5. Delete
6. Execute

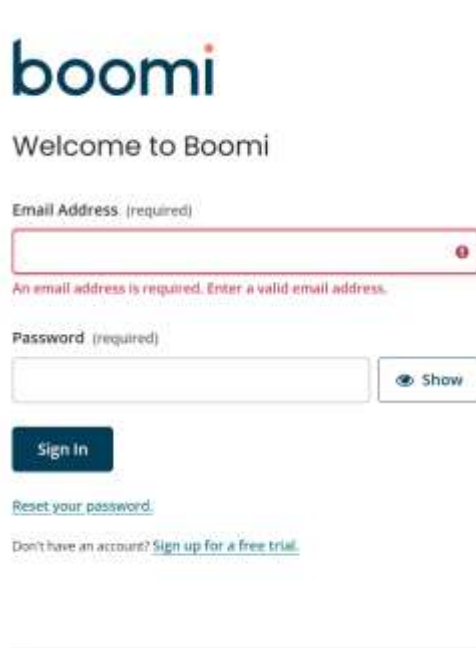
Objects of Boomi AtomSphere API:

Boomi AtomSphere API has multiple objects. Some of the Objects are

- Deployed Package
- Packaged Component
- Process Schedules
- Process Schedule status
- Environment Extensions
- Trading Partner Component
- Trading Partner Processing Group
- Environment
- Environment Atom Attachment

Getting Started - Logging into the Boomi Platform

Step-1: Enter your Email Address and Password to log in to your Boomi Account



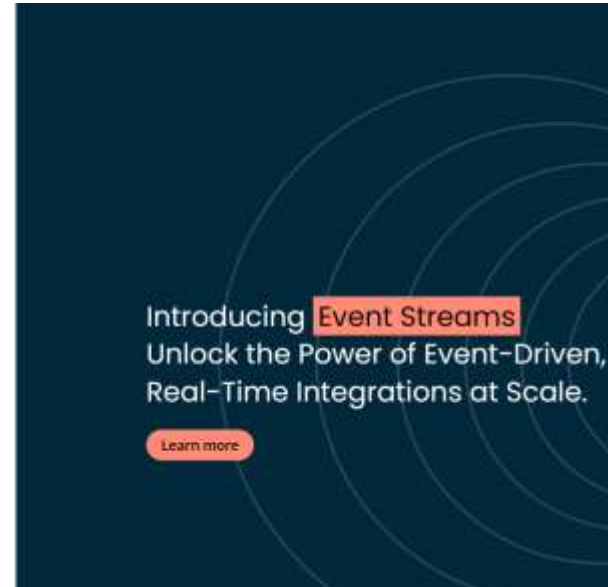
The login form features the Boomi logo at the top, followed by the text "Welcome to Boomi". Below this are two input fields: "Email Address (required)" and "Password (required)". The email field has a red border and an error message: "An email address is required. Enter a valid email address." The password field has a "Show" button next to it. A "Sign In" button is located below the password field. At the bottom, there are links for "Reset your password" and "Don't have an account? Sign up for a free trial".



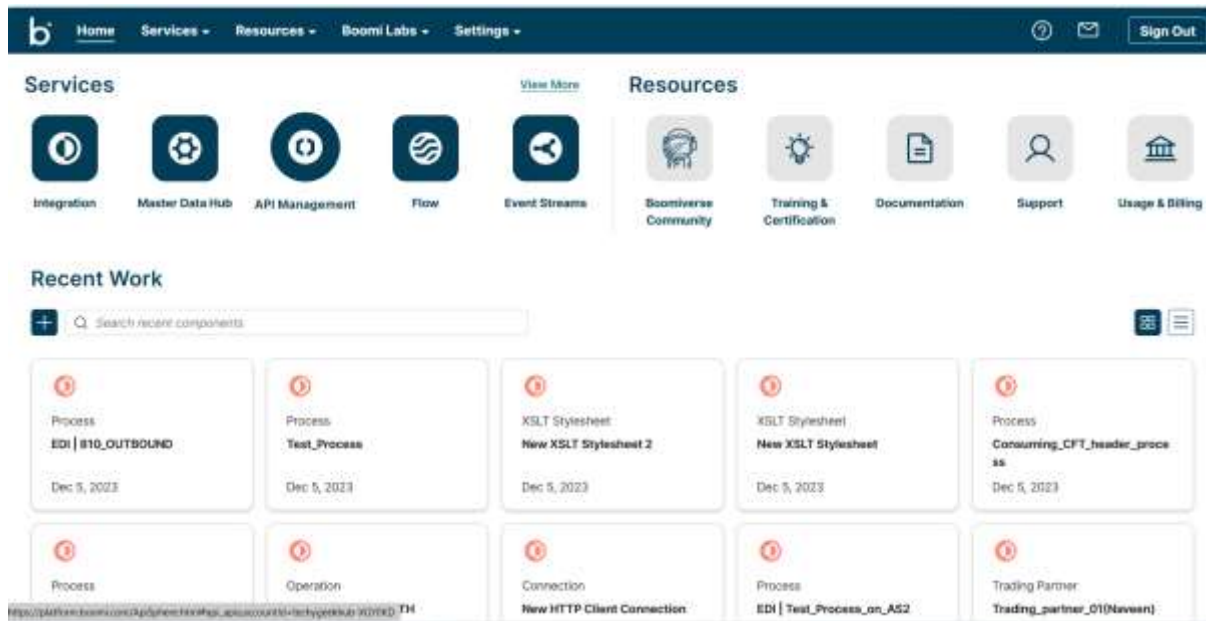
Step 2: Enter the Authorization code



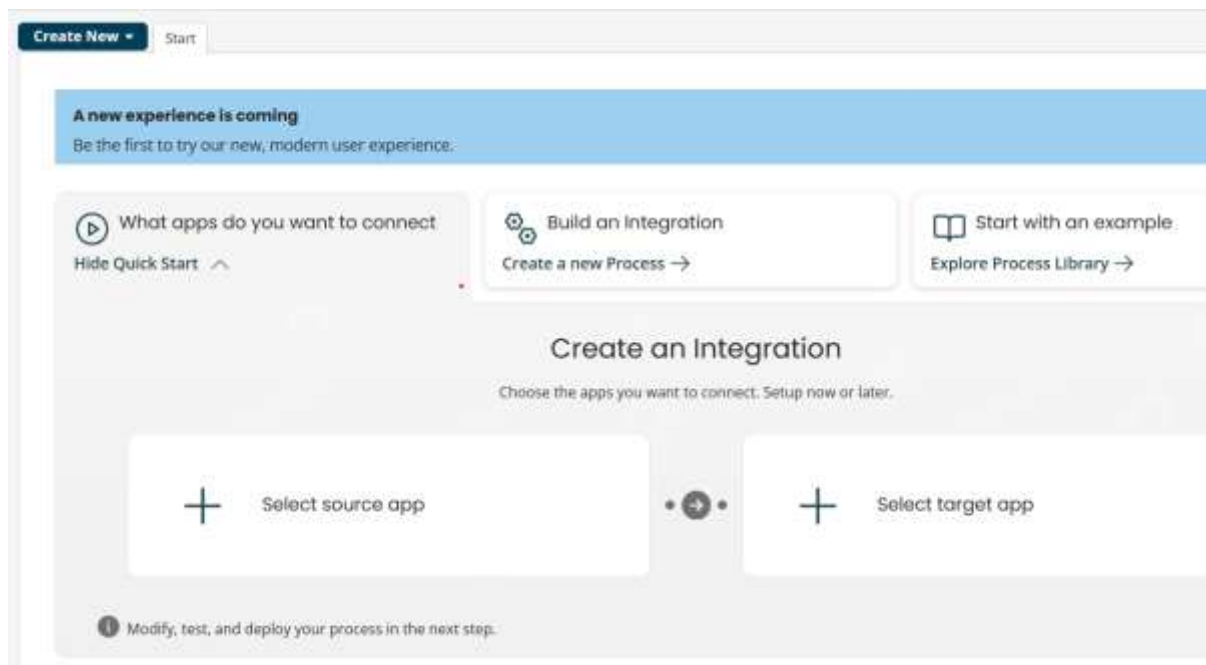
The 2FA form features the Boomi logo at the top, followed by the text "Enter your 2FA code". Below this is a message: "Two-factor authentication (2FA) is required for karri.naveenkumar@techygeekhub.com." Below the message is an "Authentication Code (required)" input field with a red border and an error message. A dropdown menu is open below the field, showing three options: "222034", "702233", and "137672". At the bottom, there is a link: "What is two-factor authentication? C".



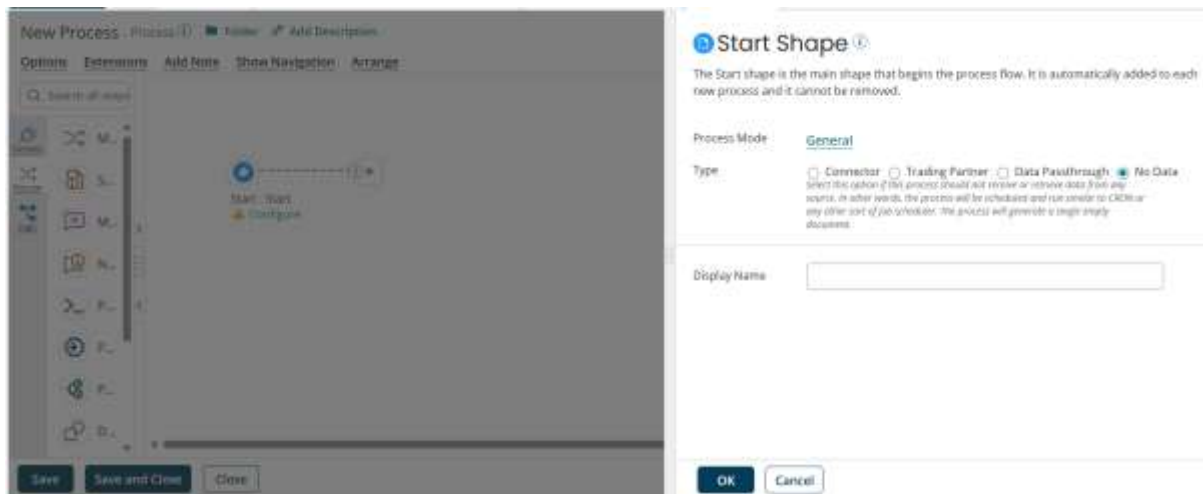
Step 3: Click on Integration Service to create our process



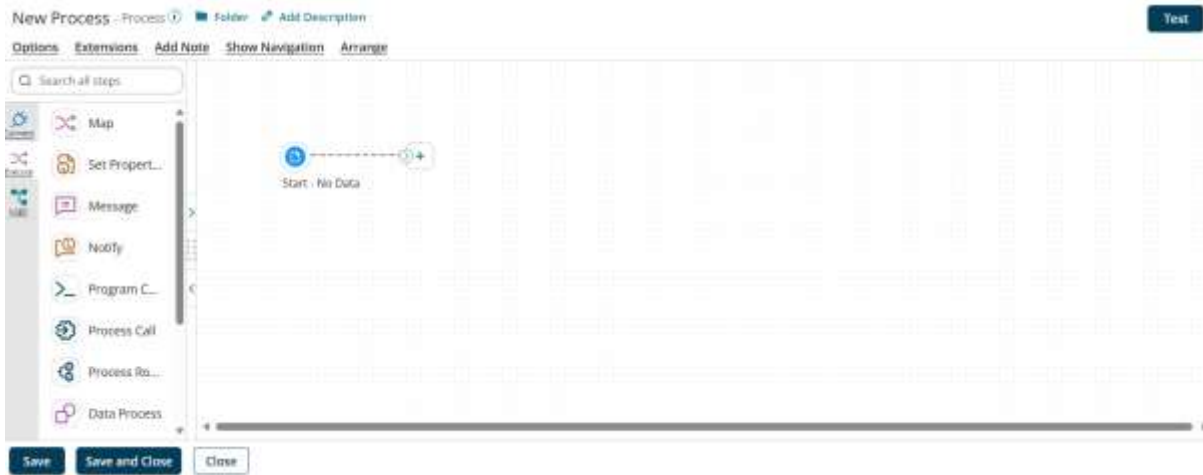
Step 4: Click on the Create New option, then we can see the process canvas where we can build our process



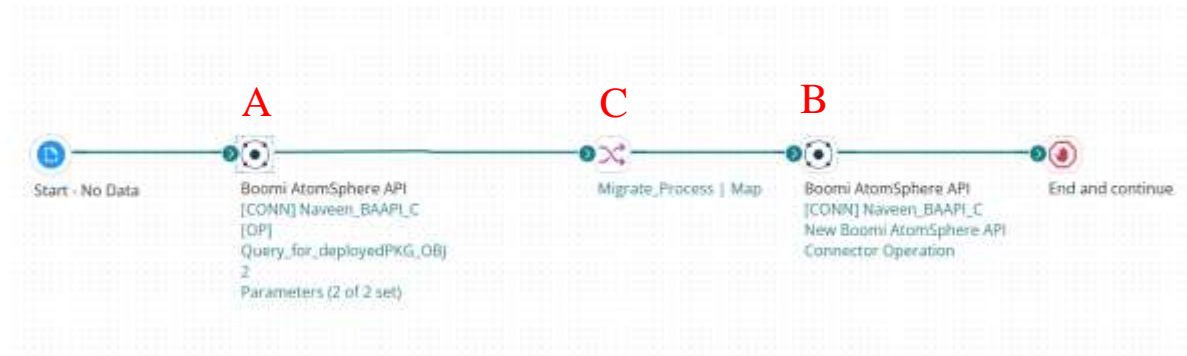
Step 5: Once we click on the create a new option, we have to select the process component and it will show the below image.



Step 6: Here we can build our process



Process for migration of deployed process from one environment to another:













- The Above image shows the entire process i.e. how to Migrate the deployed processes from one environment to another using this Boomi Atom Sphere API connector.
- The following Alphabets specify the steps, that we have used to achieve the entire functionality
- The Below steps define the entire information related to every shape

Step A: Configure Boomi Atom sphere API connector

Connector Shape

Use connector shapes to get data into and out of a process. Most processes have one "get" connector and one or more "send" connectors. The Connector shape uses a combination of predefined connection and operation components to establish where and how to get or send data.



General	Parameters
Display Name	<input type="text"/>
Connector 	<div>Boomi AtomSphere API </div> <p>The Boomi AtomSphere API connector enables you to perform the object-based operations and actions exposed in the AtomSphere API. Learn more about this connector. </p>
Connection 	<div> Choose... </div>
Action	<div>QUERY </div>
Operation 	<div> Choose... </div>

Whenever we take any connector, we have to configure 2 components

1. Connection
2. Operation
 - Along with these 2 options, we have to specify an action, which we are going to perform
 - Here, this Atom sphere API connector fetches the currently deployed processes in a specific environment.
 - To fetch current deployments in an Environment, we have to select the action as a Query, and in operation, we have to import one object i.e. Deployed Package object.
 - This Object will help you to fetch the deployments in a specific environment, to do that, we have to provide Environment ID and "Active" value as "True"

Configure Connection Component:

Once CLICK on the + icon of the Connection Component we can see the below image

Connection_Details - Boomi AtomSphere API ⓘ  Folder  Add Description

Connection

WSDL URL ⓘ

Authentication Type ⓘ

Username ⓘ

Password ⓘ

API Token ⓘ

To establish connectivity with this Boomi Atom Sphere API connection component, the following steps are required:

- we have to provide the Account ID in the WSDL URL path along with the default URL
- Select Authentication type i.e. either API token or Password.
- Based on the Authentication type we have to provide the required details
- If the Authentication type is an API token, then we have to generate an API token at the account level and pass it in the API token place
- If the Authentication type is the password, we have to provide the Boomi user Account password
- In place of a username, we have to provide the Boomi Account username

Configure Operation Component

Once We **CLICK** on the + symbol of the operation component we have to follow the below steps

Click Import Operation to add or update the details below.

Import Operation

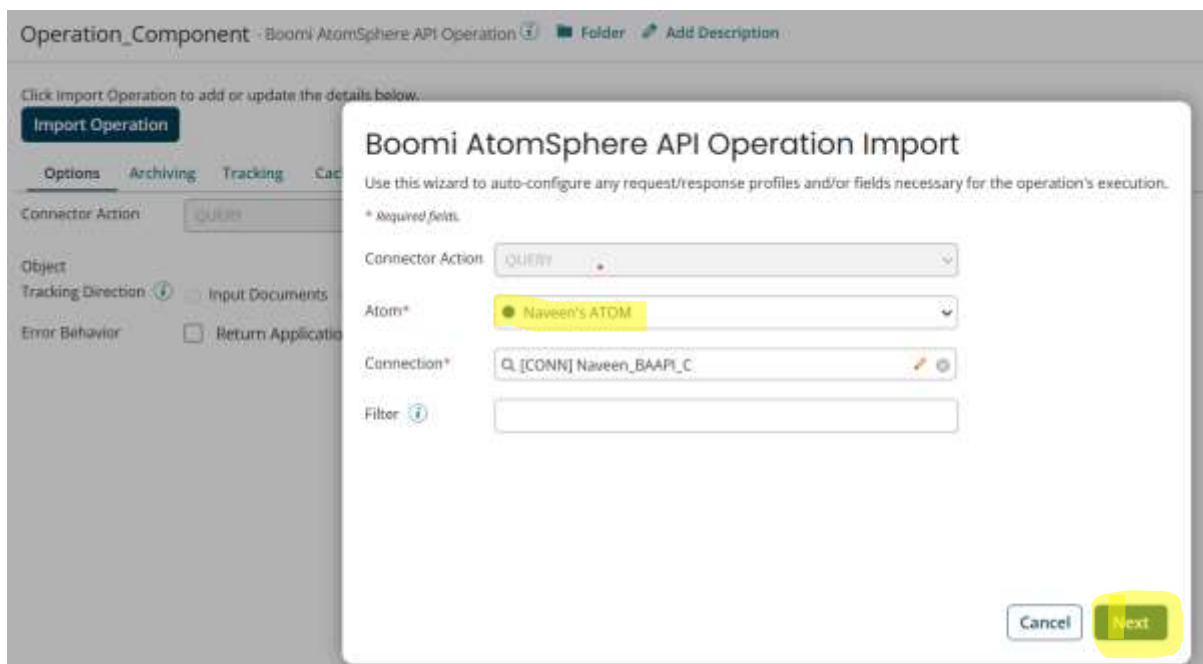
Options Archiving Tracking Caching

Connector Action QUERY ▼

Object

Tracking Direction ⓘ ☐ Input Documents ☒ Output Documents

Error Behavior ☐ Return Application Error Responses ⓘ



Operation_Component - Boomi AtomSphere API Operation ⓘ Folder Add Description

Click Import Operation to add or update the details below.

Import Operation

Options Archiving Tracking Caching

Connector Action QUERY ▼

Object

Tracking Direction ⓘ ☐ Input Documents ☒ Output Documents

Error Behavior ☐ Return Application Error Responses ⓘ

Boomi AtomSphere API Operation Import

Use this wizard to auto-configure any request/response profiles and/or fields necessary for the operation's execution.

* Required fields

Connector Action QUERY ▼

Atom* Naveen's ATOM ▼

Connection* [CONN] Naveen_BAAPI_C ⓘ

Filter ⓘ

Cancel **Next**

Operation_Component - Boomi AtomSphere API Operation ⓘ Folder Add Description

Click Import Operation to add or update the details below.

Import Operation

Options Archiving Tracking Cache

Connector Action QUERY

Object

Tracking Direction ⓘ ☐ Input Documents

Error Behavior ☐ Return Application

Boomi AtomSphere API Operation Import

Object Type ⓘ DeployedPackage

Cancel Back **Next**

Operation_Component - Boomi AtomSphere API Operation ⓘ Folder Add Description

Click Import Operation to add or update the details below.

Import Operation

Options Archiving Tracking Cache

Connector Action QUERY

Object

Tracking Direction ⓘ ☐ Input Documents

Error Behavior ☐ Return Application

Boomi AtomSphere API Operation Import

Operation Loaded

Object Name DeployedPackage

Response Profile Boomi AtomSphere API DeployedPackage QUERY Response 2

Recommended Filters ⓘ

Popular filters for DeployedPackage Query on Boomi AtomSphere API. Select one to apply to your operation.

☒ No thanks, I will set up my own filters.

☐ environmentId EQUALS ? AND deployedDate GREATER_THAN_OR_EQUAL ?

☐ componentType EQUALS ? AND environmentId EQUALS ?

☐ environmentId EQUALS ? AND active EQUALS ? AND deployedDate GREATER_THAN_OR_EQUAL ?

☐ environmentName EQUALS ? AND componentId EQUALS ? AND

Cancel **Finish**

Finally, The Operation Component looks like this,

Query | Operation - Boomi AtomSphere API Operation ⓘ Folder Add Description

Options Archiving Tracking Caching

Connector Action: QUERY

Object: DeployedPackage

Response Profile: Q. Boomi AtomSphere API DeployedPackage QUERY Respor ⓘ

Tracking Direction ⓘ ☐ Input Documents ☐ Output Documents

Error Behavior ☐ Return Application Error Responses ⓘ

Objects Filters

DeployedPackage

Filter

Logical - AND

Env_ID

Active

Filter Name: Env_ID

Field: Q.environmentid ⓘ

Operator: Equal To

- Whenever we open the operation component of Boomi Atom Sphere, for the first time we have to import the required object.
- Because this Boomi Atom Sphere API consists of multiple objects based on the Actions
- In this process, we have to import the Deployed Package Object.
- Once we import the deployed package object, it will create a response profile.
- In filters, we have to add to expressions i.e. Environment ID and Active
- The values of this, Environment ID, and Active values should be passed in parameters of the Boomi Atom sphere API connector (the below image shows how to pass the values in parameters).

General Parameters

Add or edit the values of your parameters.

+ ✎ ✕ ⬆ ⬇

Name	Value	Source
Env_ID	Static value of '737b8baf-9b3a-4345-89af-bafac1c2a2ab'	↗
Active	Static value of 'True'	↗










Step B: Configure Boomi Atom sphere API connector

- Drag and drop another Boomi Atom sphere API connector to the process canvas

Connector Shape

Use connector shapes to get data into and out of a process. Most processes have one "get" connector and one or more "send" connectors. The Connector shape uses a combination of predefined connection and operation components to establish where and how to get or send data.

General **Parameters**

Display Name	<input type="text"/>
Connector 	<div>Boomi AtomSphere API </div> <p>The Boomi AtomSphere API connector enables you to perform the object-based operations and actions exposed in the AtomSphere API. Learn more about this connector. </p>
Connection 	<div><input type="text" value="Q [CONN] Naveen_BAAPI_C"/>  </div>
Action	<div>CREATE </div>
Operation 	<div><input type="text" value="Q Choose..."/> </div>

- Configure the connector with the same connection component which we made earlier
Because of the Connection, we can reuse it. If the connector is the same we can use the same connection component multiple times. It will help to reduce the connection licensing (licenses will be consumed based on the unique connection).
- Select the action as CREATE
- Click on the + icon to configure the Operation component

These are the steps to follow to configure the Operation Component

Operation_Component - Boomi AtomSphere API Operation ⓘ Folder Add Description

Click Import Operation to add or update the details below.

Import Operation

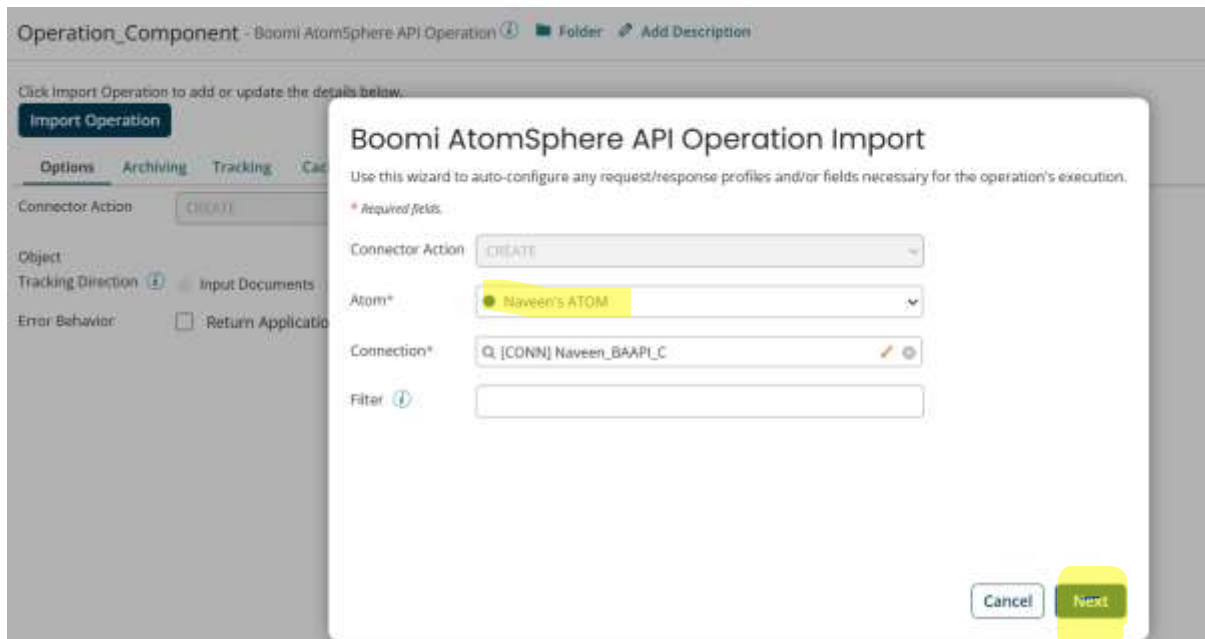
Options Archiving Tracking Caching

Connector Action CREATE

Object

Tracking Direction ⓘ ☒ Input Documents ☐ Output Documents

Error Behavior ☐ Return Application Error Responses ⓘ



Operation_Component - Boomi AtomSphere API Operation ⓘ Folder Add Description

Click Import Operation to add or update the details below.

Import Operation

Options Archiving Tracking Caching

Connector Action CREATE

Object

Tracking Direction ⓘ ☒ Input Documents ☐ Output Documents

Error Behavior ☐ Return Application Error Responses ⓘ

Boomi AtomSphere API Operation Import

Use this wizard to auto-configure any request/response profiles and/or fields necessary for the operation's execution.

* Required fields.

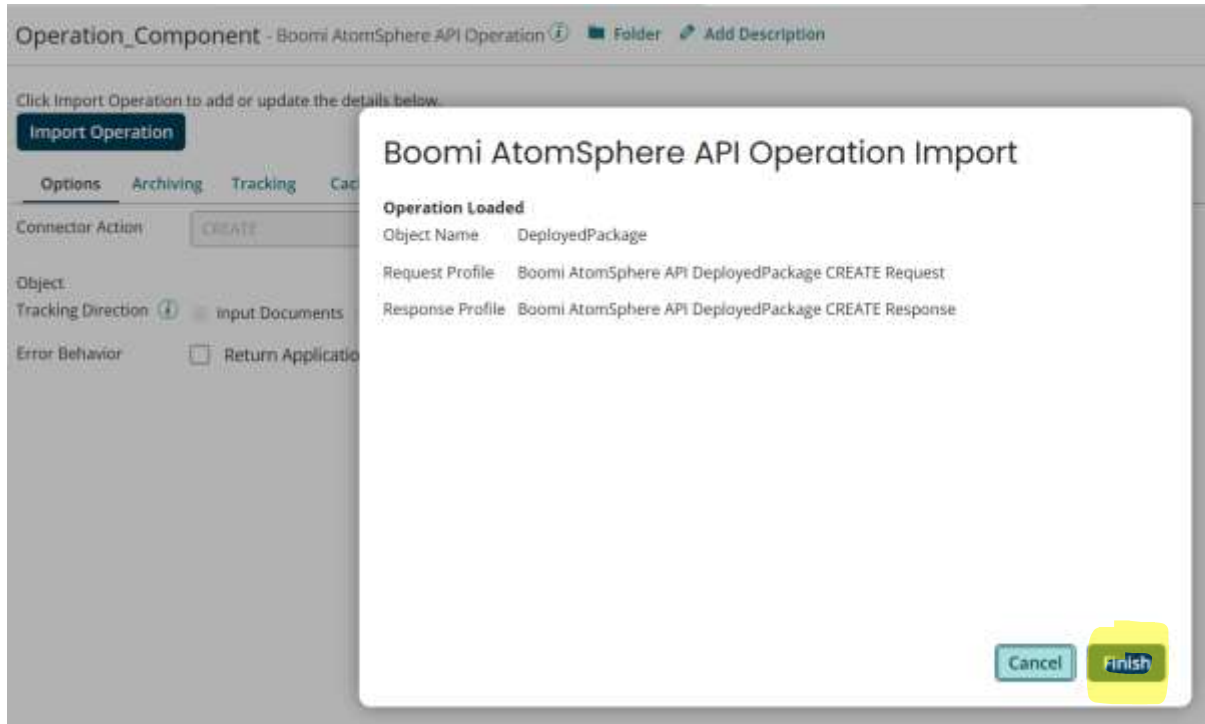
Connector Action CREATE

Atom* Naveen's ATOM

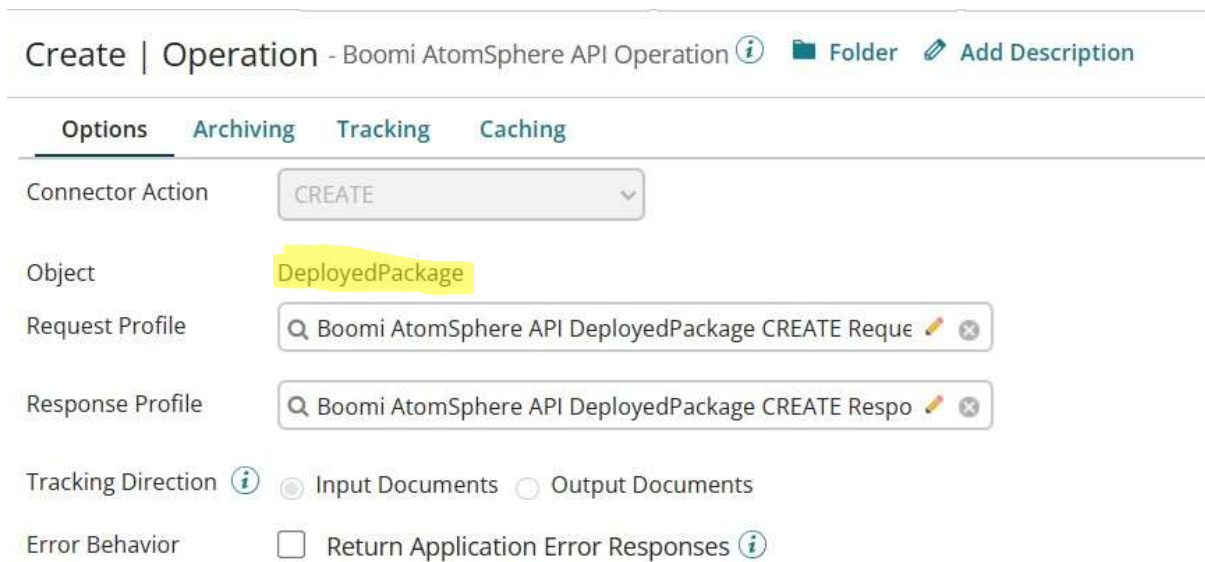
Connection* [CONN] Naveen_BAAPLC

Filter ⓘ

Cancel Next



Once we follow all the steps, The Operation component looks like the below image.



Step C: Configure Map Shape

Map Shape

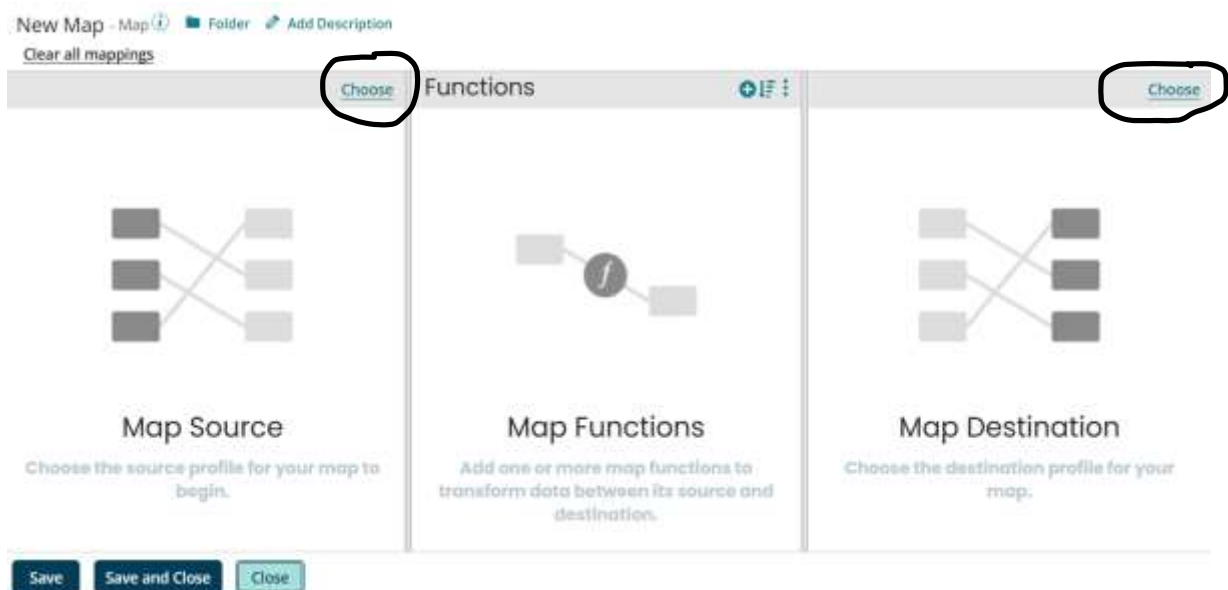
Use maps to transform data from one format to another, or more specifically, from one profile to another. The Map shape references a predefined Map component.

Display Name

Map 

- Drag and drop the map shape onto the Process canvas
- Once we drag and drop the map shape, just click on the + icon, then we have to configure the map component

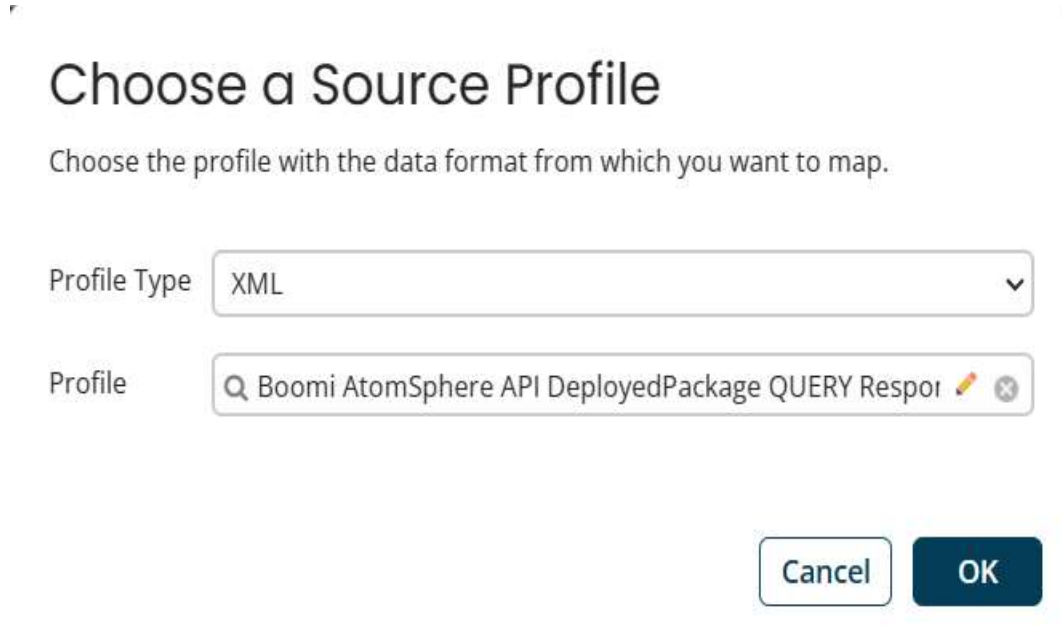
The Map component looks like the below IMAGE.



Select the profile type and add the profile

In the SOURCE of the map component, we have to select the Response profile of the 1st Boomi Atom Sphere API connector.

The Profile Type is XML, because the Boomi Atom Sphere API provides XML profiles only

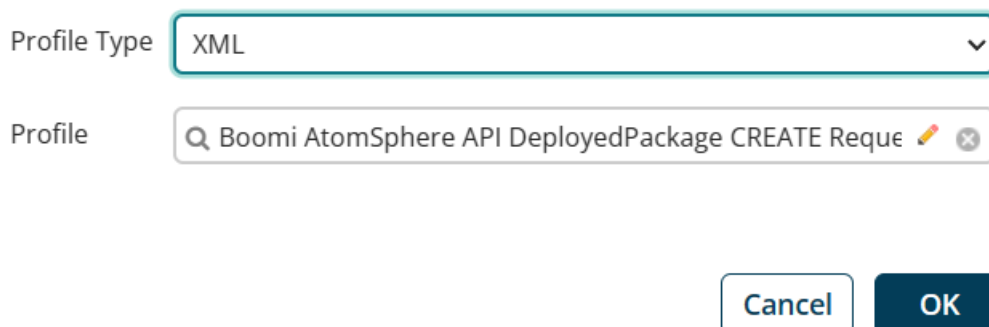


The screenshot shows a dialog box titled "Choose a Source Profile". Below the title is the instruction "Choose the profile with the data format from which you want to map." There are two input fields: "Profile Type" with a dropdown menu showing "XML", and "Profile" with a search bar containing the text "Boomi AtomSphere API DeployedPackage QUERY Respor". At the bottom right are "Cancel" and "OK" buttons.

- Select the profile type and add the profile
- In the SOURCE of the map component, we have to select the Response profile of the 1st Boomi Atom Sphere API connector.
- The Profile Type is XML because the Boomi Atom Sphere API provides XML profiles only

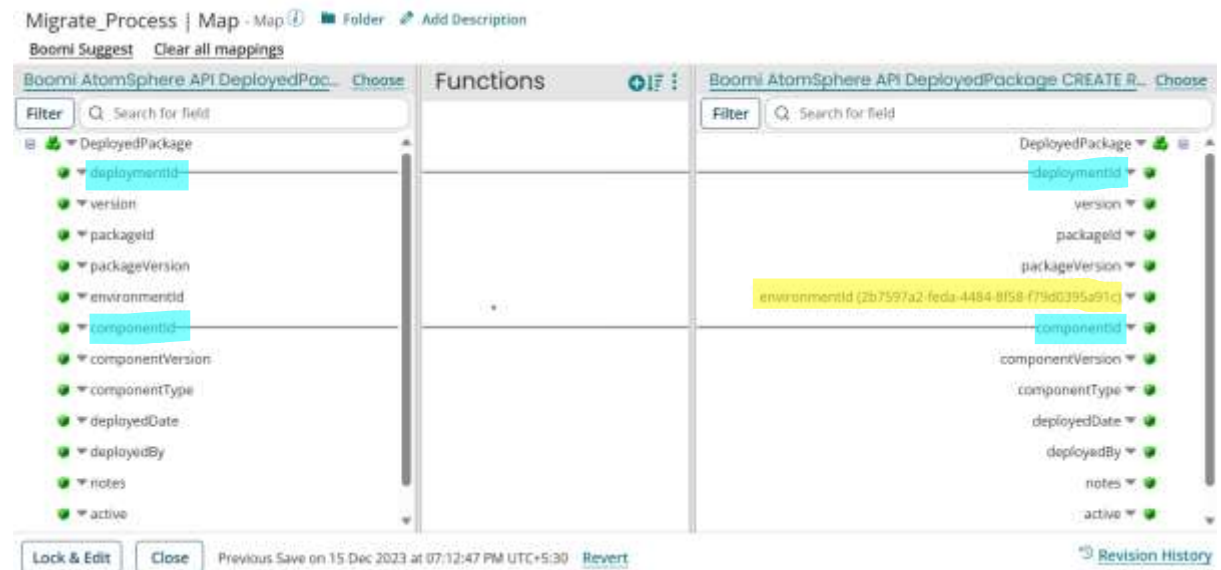
Choose a Destination Profile

Choose the profile with the data format to which you want to map.



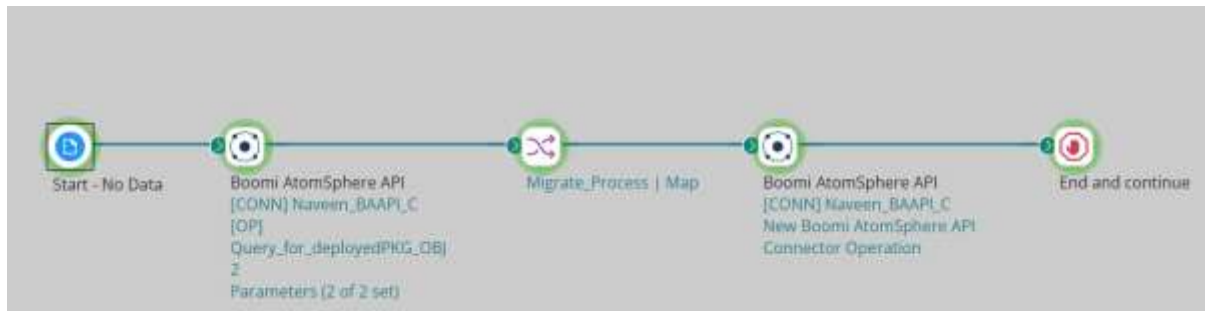
The screenshot shows a dialog box titled "Choose a Destination Profile". Below the title is the instruction "Choose the profile with the data format to which you want to map." There are two input fields: "Profile Type" with a dropdown menu showing "XML", and "Profile" with a search bar containing the text "Boomi AtomSphere API DeployedPackage CREATE Reque". At the bottom right are "Cancel" and "OK" buttons.

Once we add the Source and Target profiles in the Map component, The Map component looks like the below IMAGE



- Whenever we try to migrate the Deployed processes from one ENV to another, we need Deployment ID, Component ID, and Environment Id
- In this process, the Deployment ID and Component ID come from source profiles, and the Environment ID has to be provided as a Static value
- Finally click on Save and Close

Once we execute the Process in Test mode, the processes that are deployed in one environment will be migrated to Another environment.



There are the processes deployed in the Source Environment

Information:

[Atom Information](#)
[Startup Properties](#)
[Log Files](#)
[Java Information](#)

Runtime:

Deployed Processes

[Listeners](#)
[Queue Management](#)
[Certificates](#)
[Installed Libraries](#)

Settings & Configuration:

[Properties](#)
[Shared Web Server](#)

Environments » Naveen's_Test_ENV » Naveen's ATOM » Deployed Processes

Deployed Processes ⓘ

The processes listed in the following table are currently deployed to this atom. To deploy :

Schedules

Filter Processes

TGH

Z_Sandbox

##naveen1111

API folder

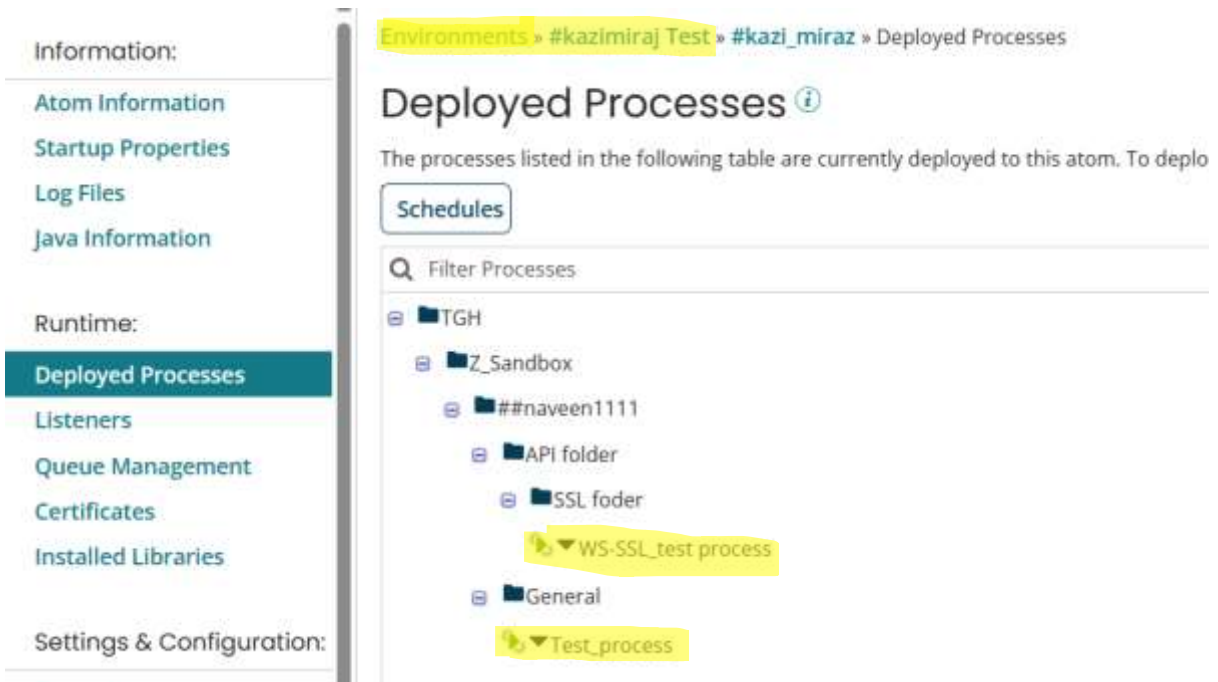
SSL folder

WS-SSL_test process

General

Test_process

After the process is executed successfully, The Processes migrated from the Source Environment (Naveen's_Test Environment) to the Target Environment (kazimiraz Test Environment)





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