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Making Integrations Simpler



Atom Installation on macOS

Author

Shamik Roy Chaudhury



In this blog, we will cover what is an atom and how to install an atom in Boomi on macOS.

Prerequisites: The machine where the atom will be installed must have internet connectivity and macOS as the operating system.

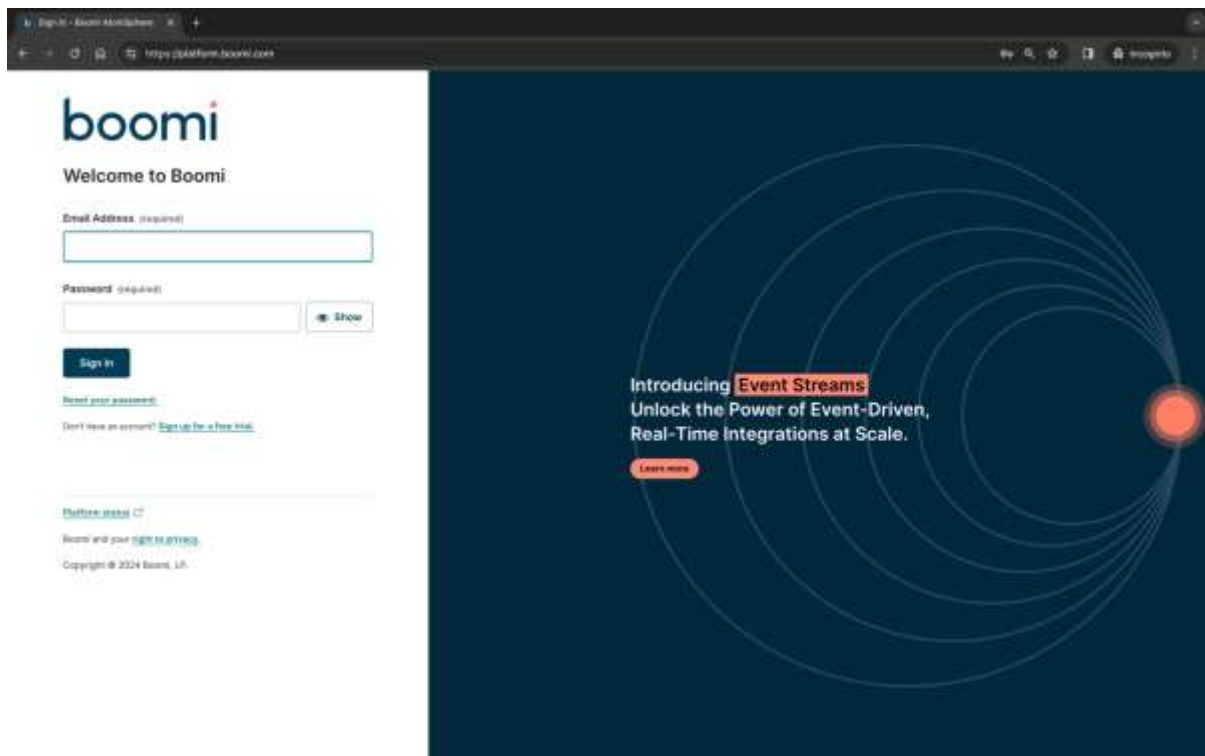
To begin with, let us see what is an atom.

What is Atom?

Atom is a single-tenant, single-node runtime engine to execute the integrations developed in Boomi. We can install Atoms directly into your local network which is required for an on-premise deployment model.

Now, let's see the steps to install an atom.

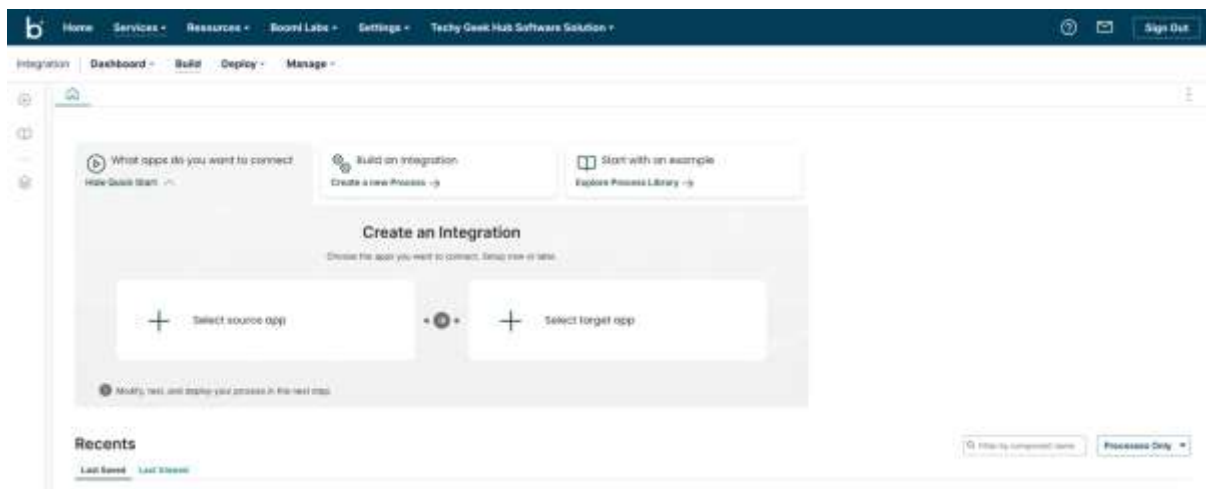
Step 1: First, log on to the **Boomi platform** (<https://platform.boomi.com/>) with a **username** and **password**.



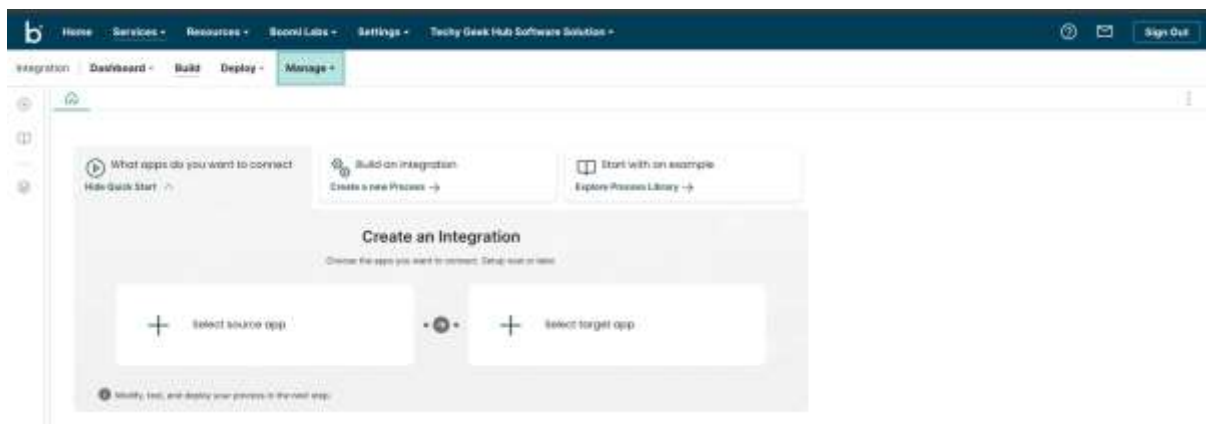
Step 2: Once, you have logged into the Boomi platform, you can view the **Home** page.



Step 3: Now, click on **Services** followed by **Integration**. You will see the Build page.



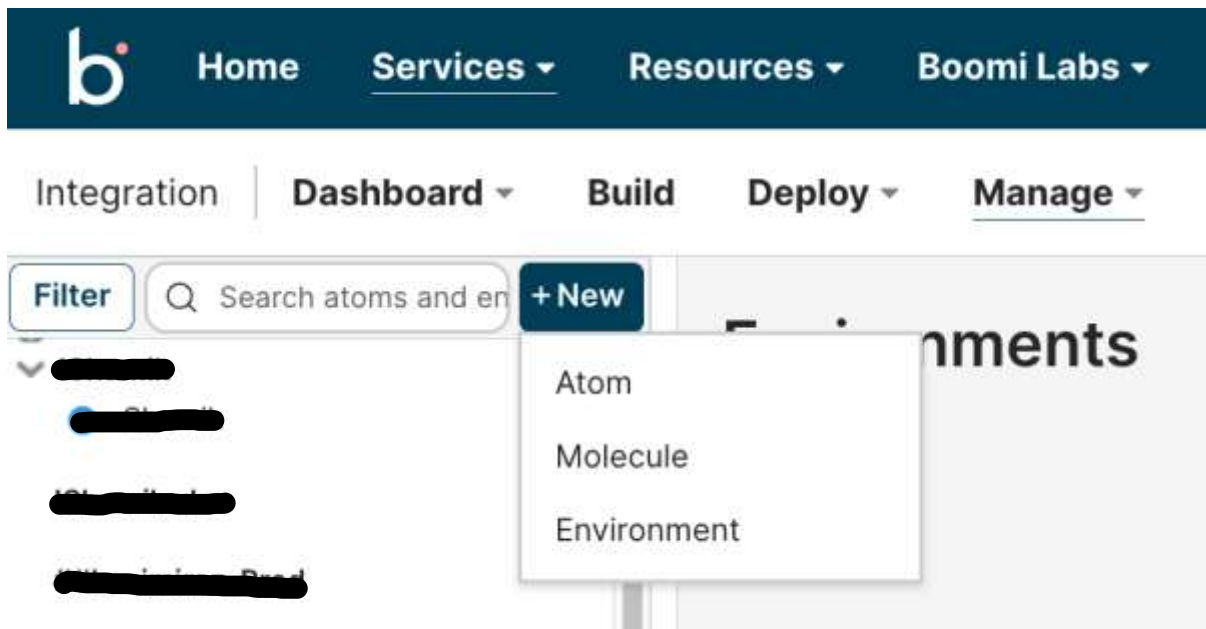
Step 4: Now click on **Manage**.



Step 5: Now click on **Atom Management**.



Step 6: Click on **New** in the left corner beside the Filter. You can then see Atom, Molecule and Environment, click on **Atom**.

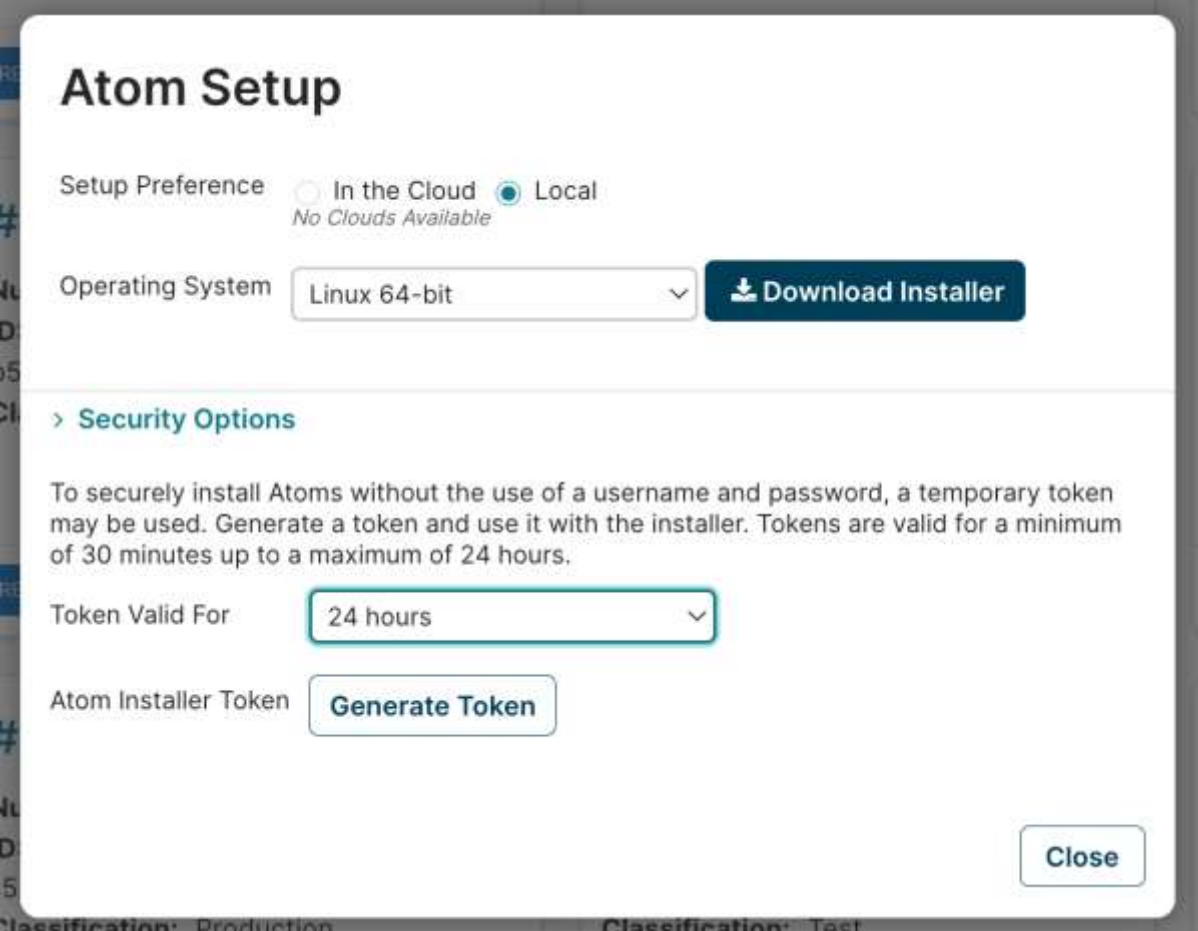


Step 7: Once you click on Atom, you will find an Atom Setup page where you have to Setup preference as **Local** (as we are concerned about local atoms) and select the operating system based on the configuration of your machine. (Linux 32-bit or **Linux 64-bit**)

We have 2 ways of authenticating the Boomi Atomsphere account with runtime.

1. Authenticating with username and password
2. By using token

Security Options refer to an option of generating a token and using it for atom installation. Instead of authenticating with a username and password, we can use a token and authenticate with Atomsphere Boomi account. A token is valid only for the account in which it was generated. Tokens expire after a set amount of time ranging from 30 minutes to 24 hours.



The screenshot shows the 'Atom Setup' dialog box. At the top, the title 'Atom Setup' is displayed. Below it, the 'Setup Preference' section has two radio buttons: 'In the Cloud' (unselected) and 'Local' (selected). A note 'No Clouds Available' is visible under 'In the Cloud'. The 'Operating System' section features a dropdown menu set to 'Linux 64-bit' and a 'Download Installer' button with a download icon. A section titled '> Security Options' contains explanatory text: 'To securely install Atoms without the use of a username and password, a temporary token may be used. Generate a token and use it with the installer. Tokens are valid for a minimum of 30 minutes up to a maximum of 24 hours.' Below this text, there is a 'Token Valid For' dropdown menu set to '24 hours' and a 'Generate Token' button. A 'Close' button is located in the bottom right corner. At the very bottom of the dialog, there are two labels: 'Classification: Production' on the left and 'Classification: Test' on the right.

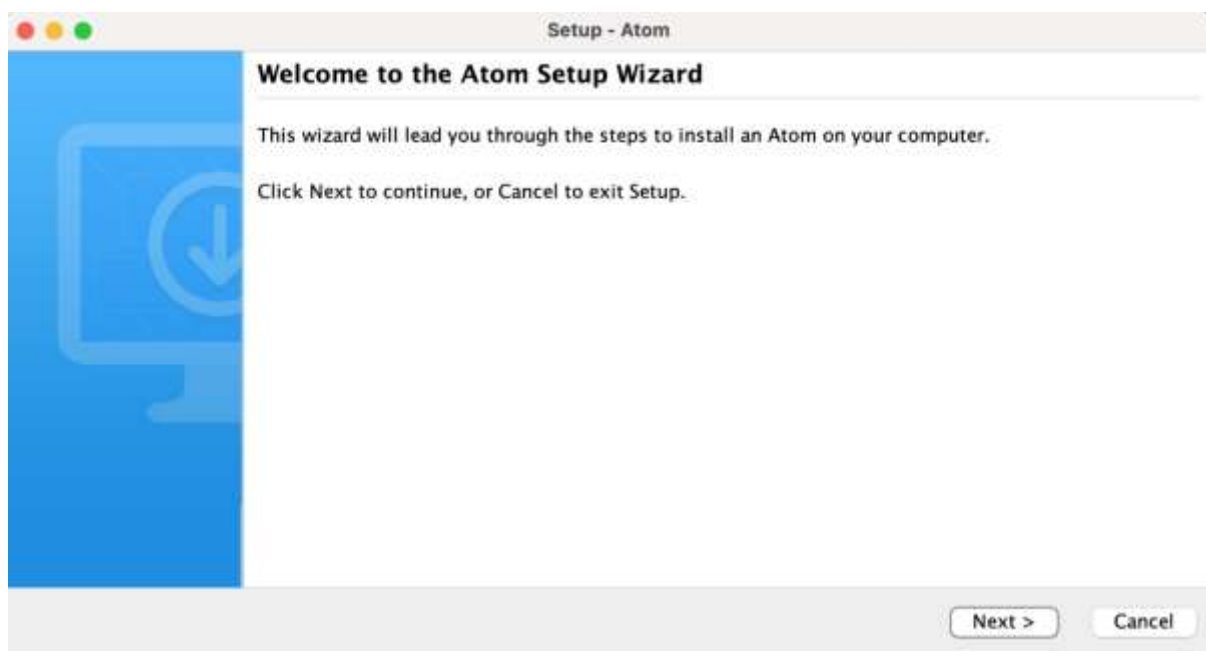
Step 8: Open Terminal. Go to the directory where the **atom_install64.sh** is downloaded. Then start the installer by giving the below commands in the terminal.

Chmod u+x atom_install64.sh

./atom_install64.sh

```
shamikroychaudhury@Shamiks-MacBook-Air ~ % cd Downloads
shamikroychaudhury@Shamiks-MacBook-Air Downloads % chmod u+x atom_install64.sh
shamikroychaudhury@Shamiks-MacBook-Air Downloads % ./atom_install64.sh
Starting Installer ...
```

Step 9: After starting Installer, Setup – Atom will be opened. Click on Next.

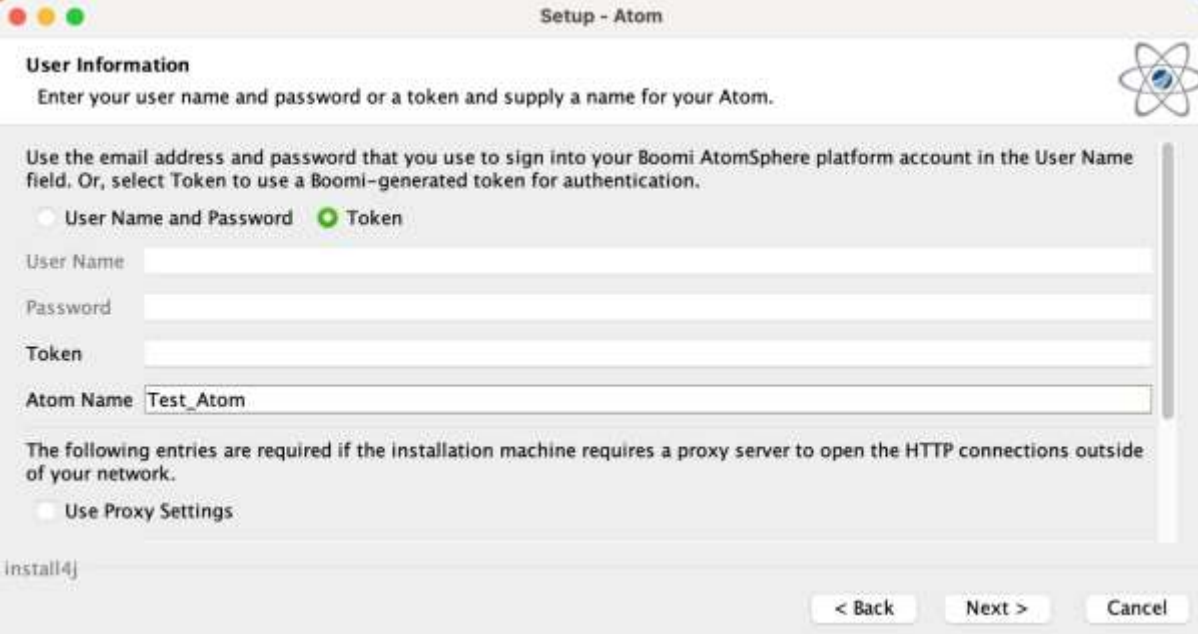


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Step 10: Select Token and enter the **Token** which we got from Step 7 and set the **Atom Name**. Click on **Next**.



Setup - Atom

User Information

Enter your user name and password or a token and supply a name for your Atom.

Use the email address and password that you use to sign into your Boomi AtomSphere platform account in the User Name field. Or, select Token to use a Boomi-generated token for authentication.

User Name and Password Token

User Name

Password

Token

Atom Name

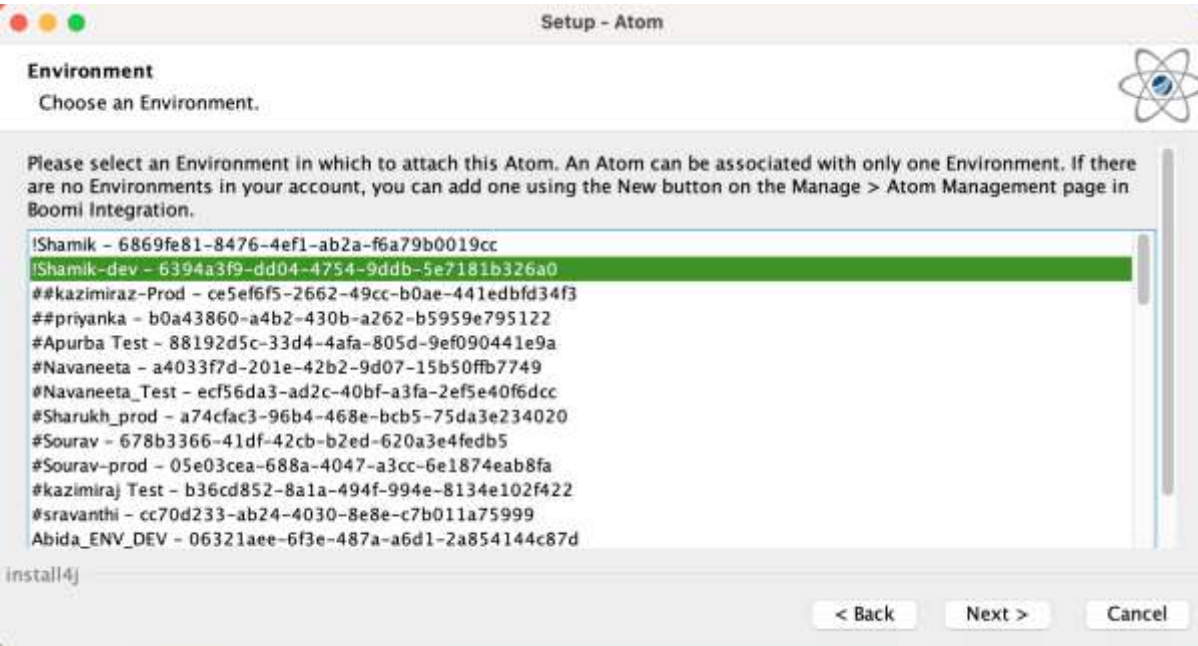
The following entries are required if the installation machine requires a proxy server to open the HTTP connections outside of your network.

Use Proxy Settings

install4j

< Back Next > Cancel

Step 11: Select an Environment to attach.



Setup - Atom

Environment

Choose an Environment.

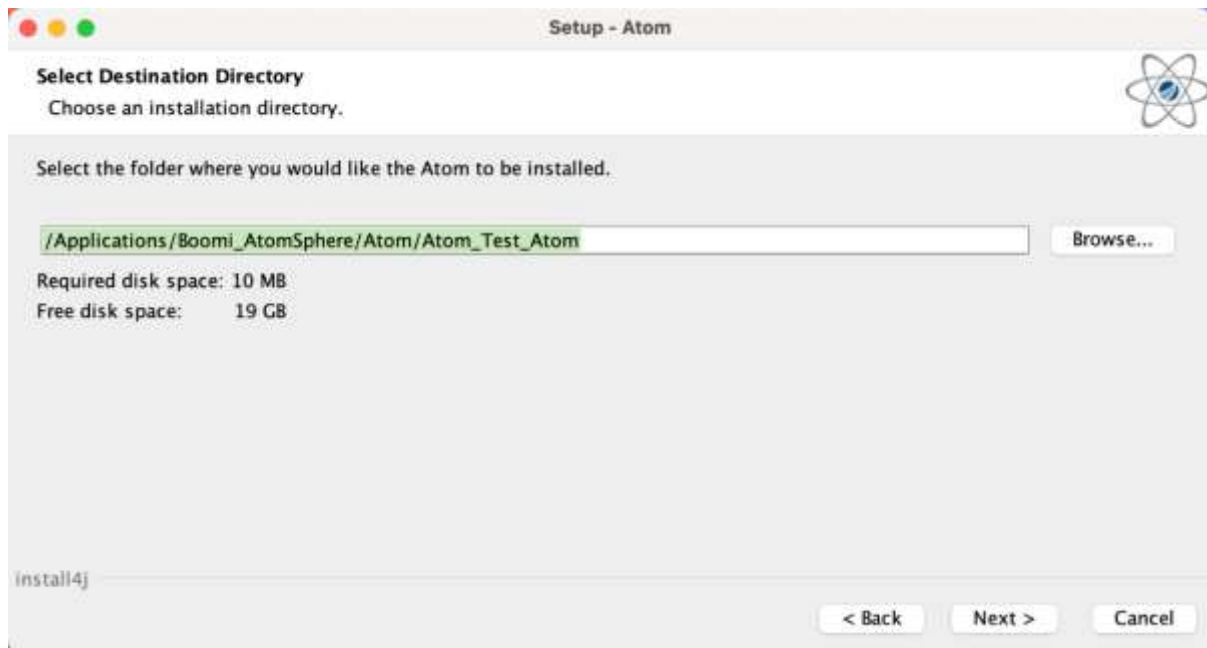
Please select an Environment in which to attach this Atom. An Atom can be associated with only one Environment. If there are no Environments in your account, you can add one using the New button on the Manage > Atom Management page in Boomi Integration.

```
!Shamik - 6869fe81-8476-4ef1-ab2a-f6a79b0019cc
!Shamik-dev - 6394a3f9-dd04-4754-9ddb-5e7181b326a0
##kazimiraz-Prod - ce5ef6f5-2662-49cc-b0ae-441edbfd34f3
##priyanka - b0a43860-a4b2-430b-a262-b5959e795122
#Apurba Test - 88192d5c-33d4-4afa-805d-9ef090441e9a
#Navaneeta - a4033f7d-201e-42b2-9d07-15b50ffb7749
#Navaneeta_Test - ecf56da3-ad2c-40bf-a3fa-2ef5e40f6dcc
#Sharukh_prod - a74cfac3-96b4-468e-bcb5-75da3e234020
#Sourav - 678b3366-41df-42cb-b2ed-620a3e4fedb5
#Sourav-prod - 05e03cea-688a-4047-a3cc-6e1874eab8fa
#kazimiraj Test - b36cd852-8a1a-494f-994e-8134e102f422
#sravanthi - cc70d233-ab24-4030-8e8e-c7b011a75999
Abida_ENV_DEV - 06321aee-6f3e-487a-a6d1-2a854144c87d
```

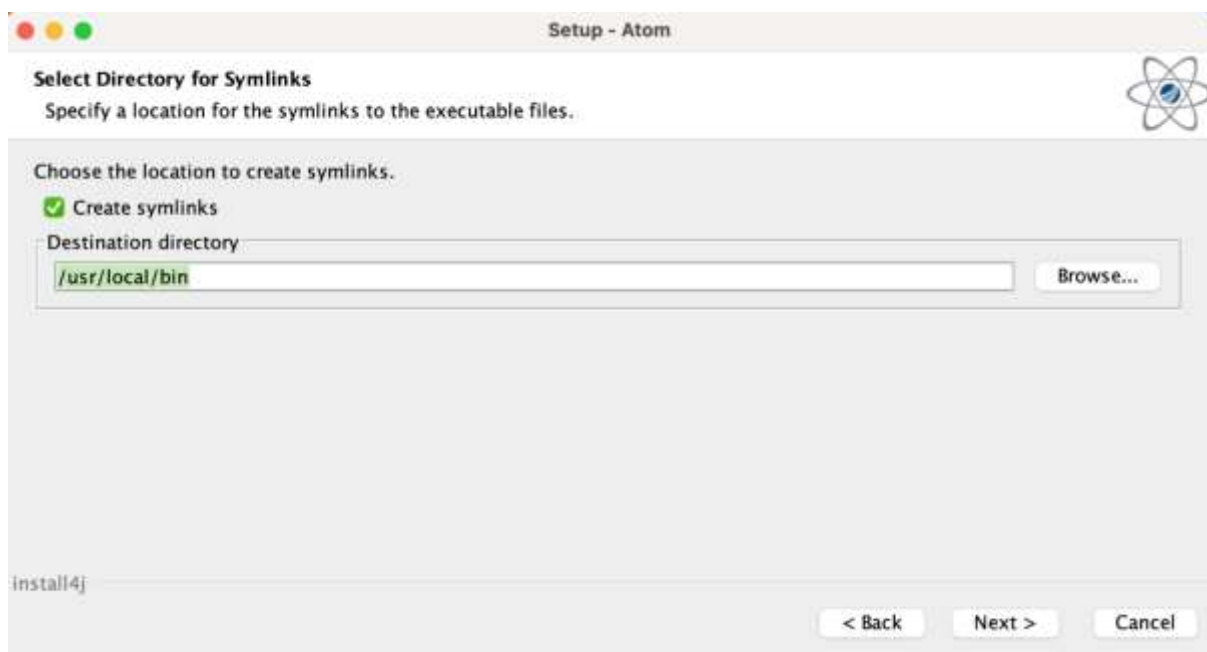
install4j

< Back Next > Cancel

Step 12: Select the folder where you would like the Atom to be installed and click **Next**.



Step 13: Set the **Destination directory** and click on **Next**.

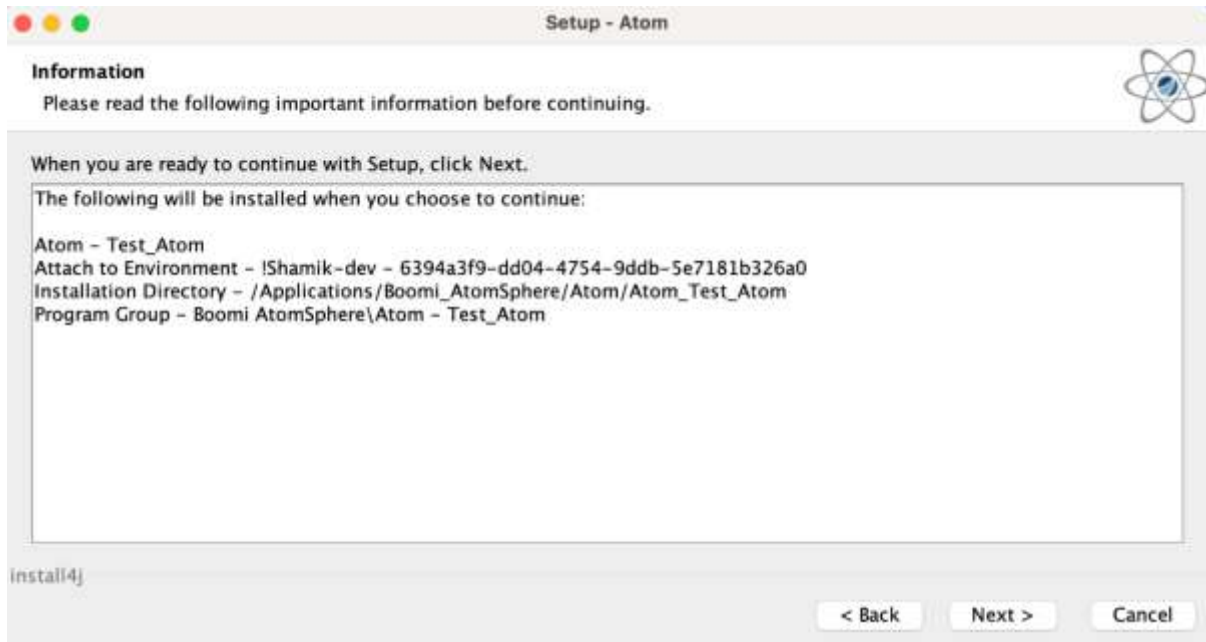


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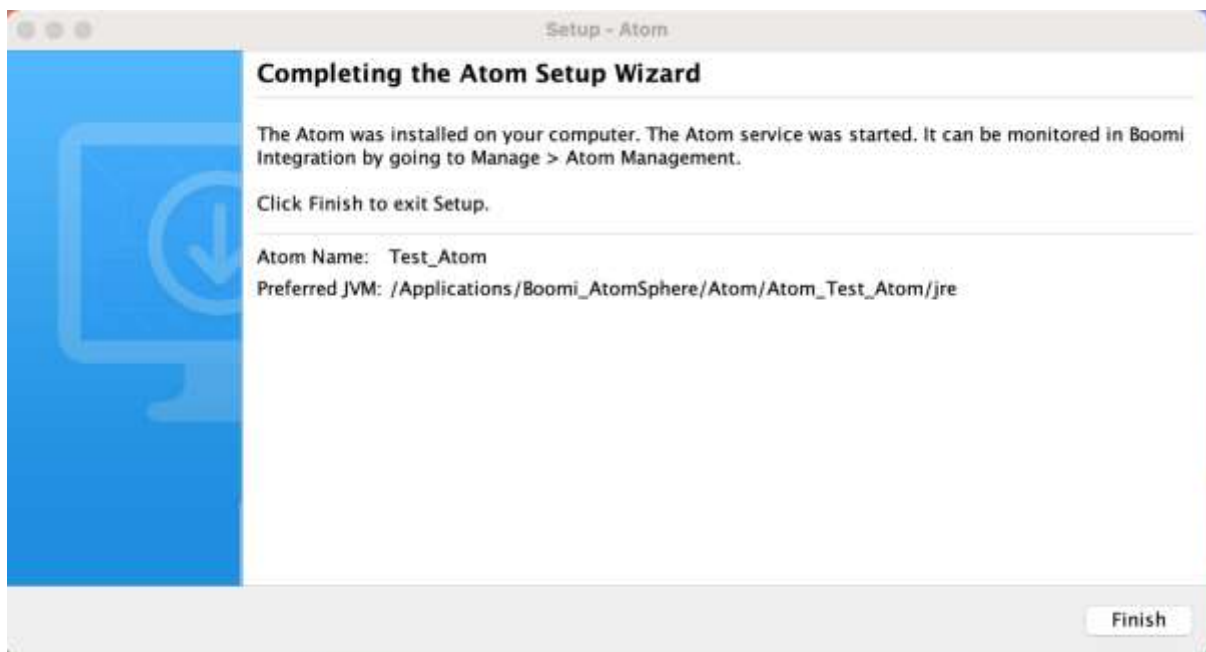
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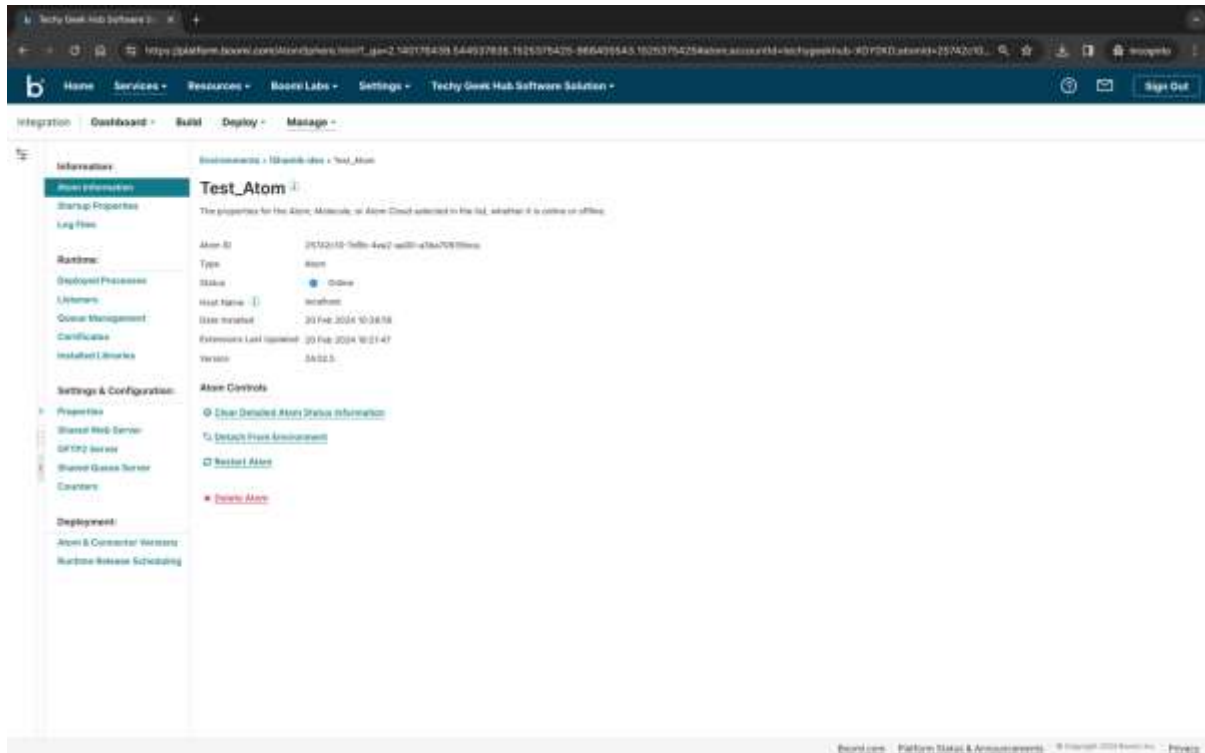
Step 14: Click on Next.



Step 15: Click on Finish.



Step 16: To confirm the atom installation you can log in to <https://platform.boomi.com/> and go to the Manage tab followed by the **Atom Management** tab and go to the atom then **Atom Information** you see an atom with the status **Online**.



Step 17: If you want to restart the atom, you can restart it from **Atom Information** or you can open the **terminal** and go to the directory where **restart.sh** file resides. Then restart the atom by giving the command as “sh restart.sh”.

```
shamikroychaudhury@Shamiks-MacBook-Air ~ % cd /Applications/Boomi_AtomSphere/Atom/Atom_Test_Atom/bin
shamikroychaudhury@Shamiks-MacBook-Air bin % sh restart.sh
shamikroychaudhury@Shamiks-MacBook-Air bin %
```



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Email address

connect@techygeekhub.com



Phone number

+ 011-40071137
+ 91-8810610395



Our offices

Noida Office

iThum
Plot No -40, Tower A,
Office No: 712,
Sector-62, Noida,
Uttar Pradesh, 201301

Hyderabad Office

Plot no: 6/3, 5th Floor,
Techno Pearl Building,
HUDA Techno Enclave,
HITEC City, Hyderabad,
Telangana 500081

