



TGH

Making Integrations Simpler

boomi
Partner



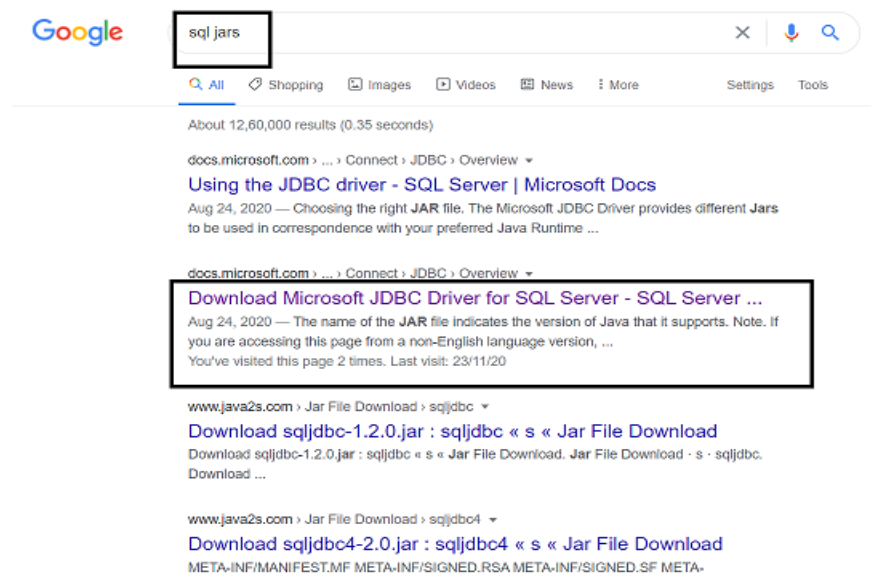
Install Jar files for SQL Server



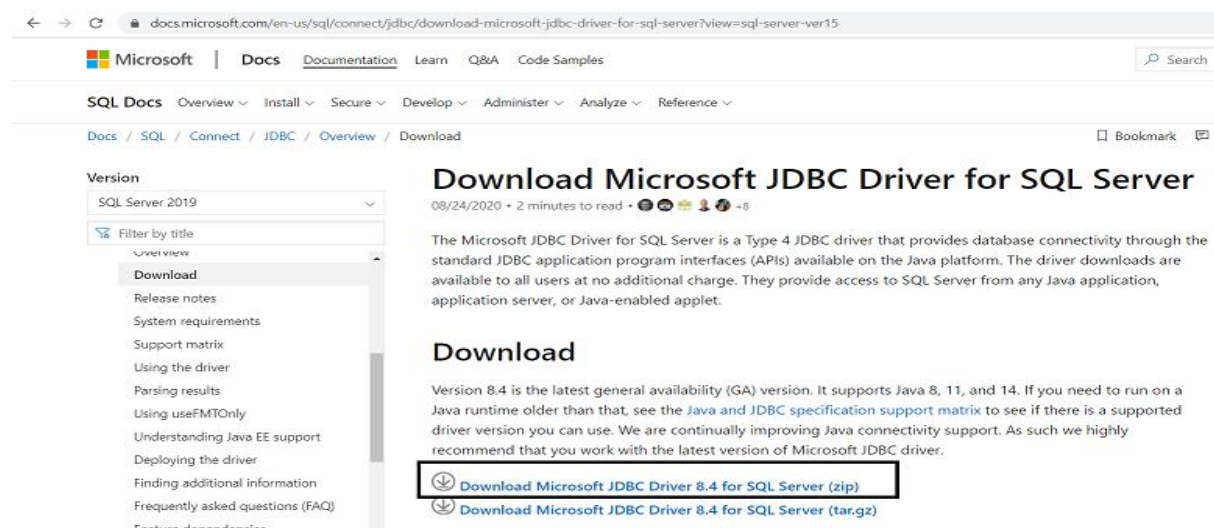
In this blog, we will see how to install Jar files for SQL Server and deploy them to the atom.

Let us begin with the steps.

Step 1: Search for SQL jars and choose 2nd option as shown.



Step 2: Once we open the link, click on download 8.4 Jar as highlighted and we see that jars gets downloaded.



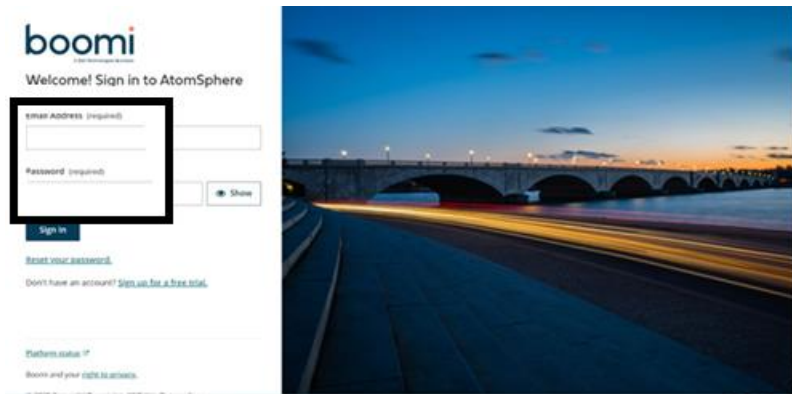
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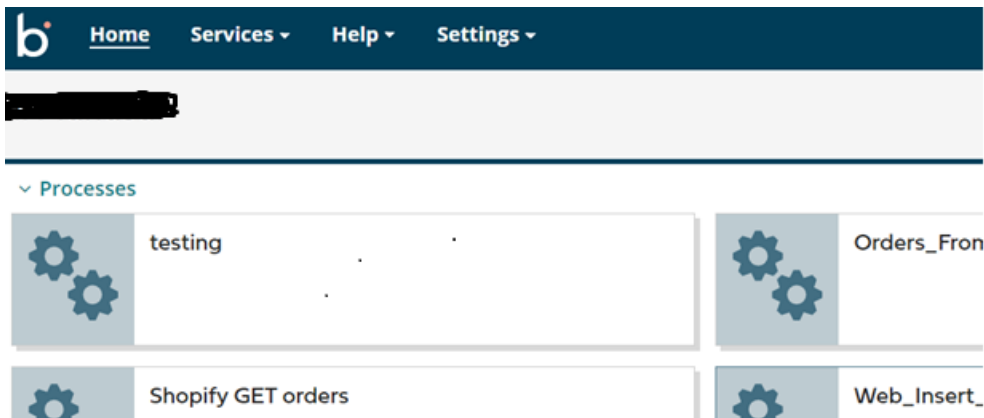


Now, we will upload the downloaded jar files in Account Library to the Boomi Account.

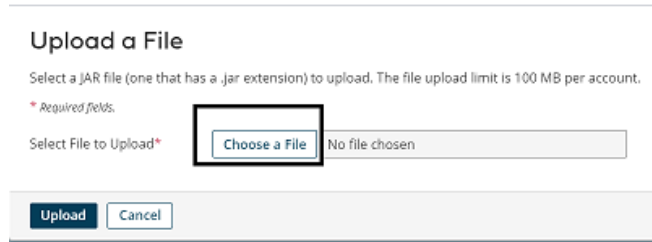
Step 1: Log on to Boomi platform (<https://platform.boomi.com/>) with required credentials i.e. Email Address and Password.



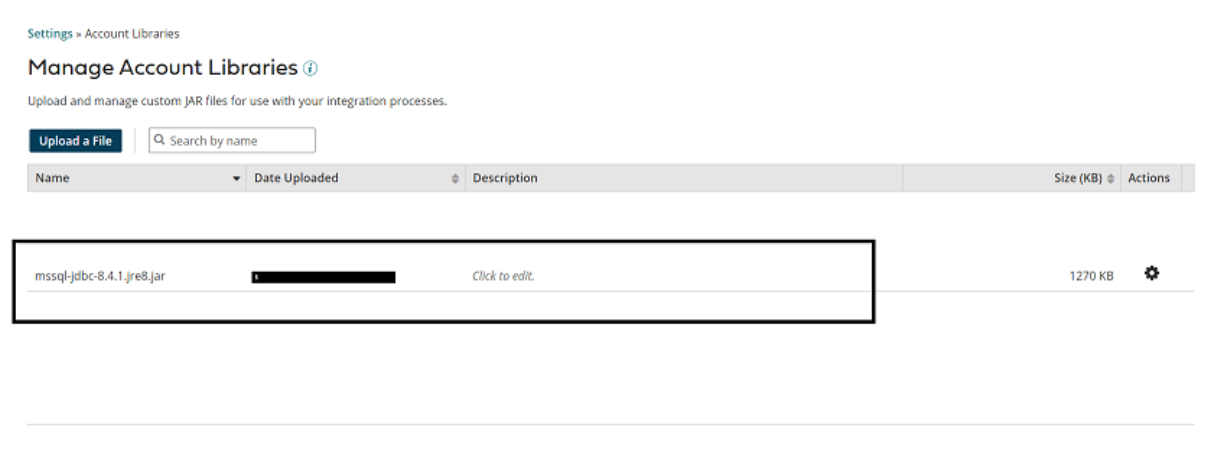
Step 2: Once logged into Boomi platform, we will be able to view Home page.



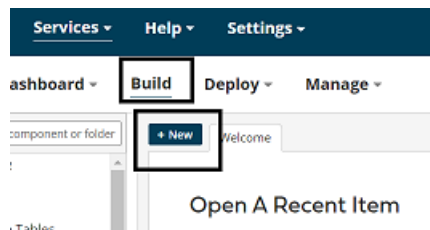
Step 3: Go to Settings > Account Information > Setup > Account Libraries and upload the jar file which we have downloaded by choosing Upload a File.



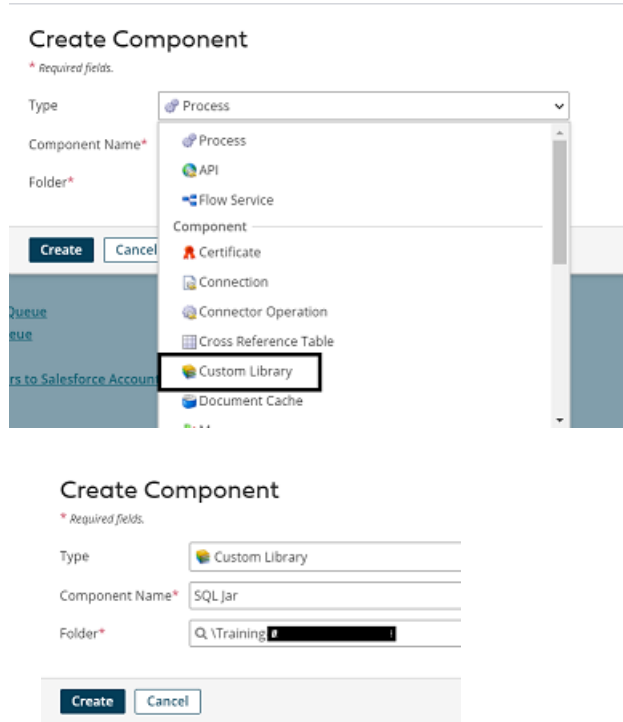
Step 4: Now, choose the downloaded jar and upload it. Here, we are uploading mssql-jdbc-8.4.1.jre8.jar.



Step 5: Now, create a custom library component and add the uploaded JAR file in the account library to the component. Navigate to Build tab and click on New as shown.



Step 6: Choose Type as Custom Library. Component Name and Folder can be given based on your choice. Click on create.



Create Component
* Required fields.

Type: Process

Component Name*: SQL Jar

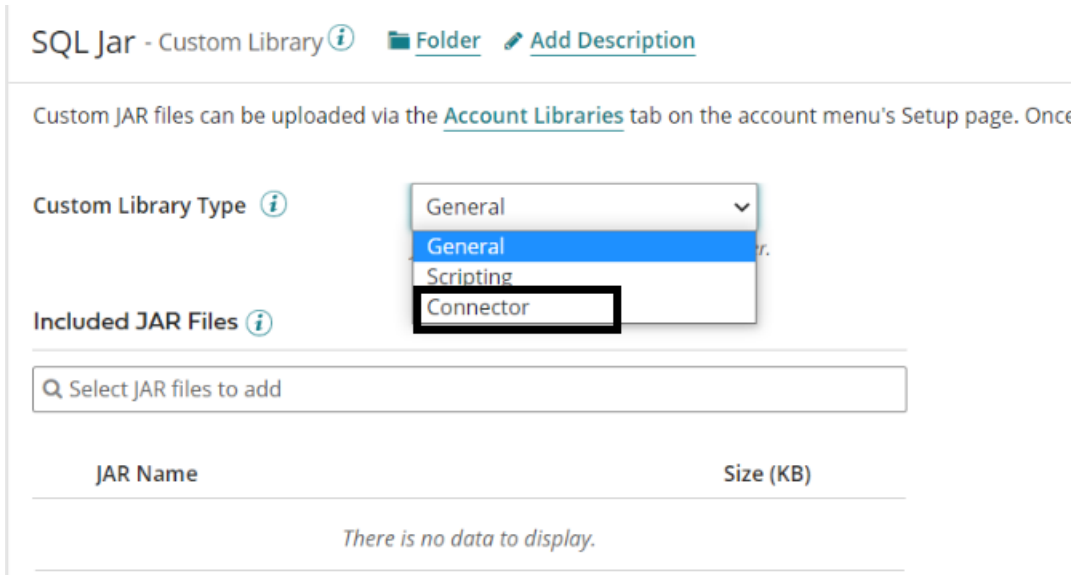
Folder*: Q \Training

Component:

- Process
- API
- Flow Service
- Certificate
- Connection
- Connector Operation
- Cross Reference Table
- Custom Library**
- Document Cache

Create Cancel

Step 7: Choose Custom Library Type as Connector from the drop down.



SQL Jar - Custom Library ⓘ Folder Add Description

Custom JAR files can be uploaded via the [Account Libraries](#) tab on the account menu's Setup page. Once

Custom Library Type ⓘ

Included JAR Files ⓘ

Q Select JAR files to add

JAR Name	Size (KB)
There is no data to display.	

Step 8: Choose the Connector Type as Database.

SQL Jar - Custom Library ⓘ Folder Add Description

Custom JAR files can be uploaded via the [Account Libraries](#) tab on the account menu's Setup page.

Custom Library Type ⓘ Connector

Connector Type AS2 Client

Included JAR Files ⓘ

Q Select JAR files to add

JAR Name
There is
AS2 Client
AS2 Shared Server
Amazon EventBridge
Amazon S3 REST
Amazon SNS
Amazon SQS
Anaplan
Aprimo
Aria.8 — Partner Connector
Atom Queue
AtomSphere API
Autotask
B2B HTTP Server
Box
Compu
Database
Disk
Disk v2

- Select the Jar which we have uploaded in Account Library. Click save.

Included JAR Files ⓘ

Q Select JAR files to add

Q Search by name

mssql-jdbc-8.4.1.jre8.jar

Step 9: After uploading the jar, overall custom library looks like,

SQL Jar - Custom Library ⓘ Folder Add Description

Custom JAR files can be uploaded via the [Account Libraries](#) tab on the account menu's Setup page. Once up

Custom Library Type ⓘ Connector

Connector Type Database

Included JAR Files ⓘ

Q Select JAR files to add

JAR Name	Size (KB)
mssql-jdbc-8.4.1.jre8.jar	1270 KB

Step 10: Deploy the Custom Library component to an atom because these are not explicitly referenced by a process or any other component, we must deploy them independently. Click on create packaged component.

SQL Jar - Custom Library ⓘ [Folder](#) [Add Description](#) Create Packaged Component


Custom JAR files can be uploaded via the [Account Libraries](#) tab on the account menu's Setup page. Once uploaded, custom JAR files can be included in Custom Library components.

Custom Library Type ⓘ
JAR(s) will be deployed to your /userlib/<connType> folder.

Connector Type

Included JAR Files ⓘ

JAR Name	Size (KB)
mssql-jdbc-8.4.1.jre8.jar	1270 KB



Step 11: The process gets selected automatically. Click Add Details.

Create Packaged Components: Select Components

Select one or more deployable components from the Component Explorer to create a packaged component of each selection. Although you can select multiple components to package at one time, each selected component results in its own individual version to be deployed independently. If the selected component was packaged previously, details of the latest packaged component version appear to the right.

Filter	Component Name	Component Type	Latest Version	Latest Notes
<input type="text" value="a7bcd9e0-0c31-4a0a-8ae9-f5497e9e"/>	SQL_Jar	Custom Library	—	—

Training Examples SQL_Jar

Next: Add Details

- Next, select the version and write notes if you have any. Click on create packaged component.

Create Packaged Components: Add Details

Optionally apply details to the newest version of your packaged components. When you have multiple packaged components selected at one time, the details you sp each selected component results in its own individual version.

Version for all 

If you do not supply a name, a version number is automatically generated for each packaged component, and increments based on the latest version number.

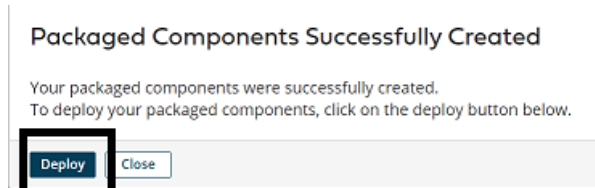
Package Notes for All 

4000 characters remaining.

Sharing ⓘ Allow Processes and APIs to be publicly shared to subaccounts.
This setting is ignored for components that cannot be shared.

Create Packaged Component (1)

- Now, we see that the package has been created successfully and click on deploy.



- We will then have to select the environment. Choose production and click select version and review.

Deploy: Select Environment

Select the environment in which to deploy your packaged component(s), and optionally add notes about the deployment.

Deployment Environment

Deployment Notes

- API Production
- Test
- production

4000 characters remaining.

Deploy: Select Environment

Select the environment in which to deploy your packaged component(s), and optionally add notes about the deployment.

Deployment Environment

Deployment Notes

- API Production
- production

choose production

4000 characters remaining.

[Next: Select Versions](#)

[Next: Review](#)

- We will be asked to cross check the environment which we have configured in deployment tab.

Deploy: Review

You're almost done! Before deploying this version of your packaged component, confirm that the destination environment you have selected is correct.

Environment: production
Deployment Notes:

Name	Type	Selected Version	Deployed Version	Duplicate 
SQL_Jar	Custom Library	1.0	N/A	—

- Once, we click on deploy we will be able to see that deployment is done successfully. Click save and close.

Deployment Successful

Your packaged components were successfully deployed.
Click on the View Deployments button to see all deployments for this account.

[View Deployments](#) [Close](#)

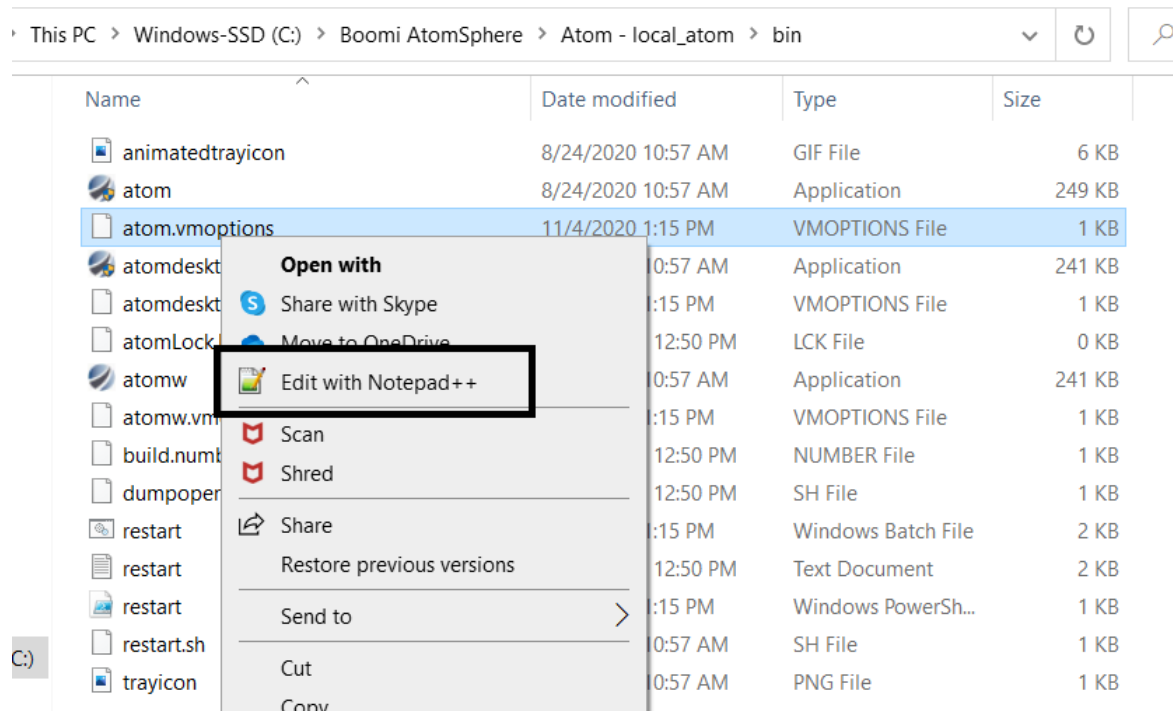
For handling UTF-8 Character Encoding Error, we will follow the below steps

Step 1: Go to <Local Atom Install>/bin/atom.vmoptions file i.e. (if the atom is running as service)

This PC > Windows-SSD (C:) > Boomi AtomSphere > Atom - local_atom > bin

Name	Date modified	Type	Size
animatedtrayicon	8/24/2020 10:57 AM	GIF File	6 KB
atom	8/24/2020 10:57 AM	Application	249 KB
atom.vmoptions	11/4/2020 1:15 PM	VMOPTIONS File	1 KB
atomdesktop	8/24/2020 10:57 AM	Application	241 KB
atomdesktop.vmoptions	11/4/2020 1:15 PM	VMOPTIONS File	1 KB
atomLock.lck	11/16/2020 12:50 PM	LCK File	0 KB
atomw	8/24/2020 10:57 AM	Application	241 KB
atomw.vmoptions	11/4/2020 1:15 PM	VMOPTIONS File	1 KB
build.number	11/16/2020 12:50 PM	NUMBER File	1 KB
dumpopenfiles.sh	11/16/2020 12:50 PM	SH File	1 KB
restart	11/4/2020 1:15 PM	Windows Batch File	2 KB
restart	11/16/2020 12:50 PM	Text Document	2 KB
restart	11/4/2020 1:15 PM	Windows PowerSh...	1 KB
restart.sh	8/24/2020 10:57 AM	SH File	1 KB
trayicon	8/24/2020 10:57 AM	PNG File	1 KB

Step 2: Open atom.vmoptions file and add the code **-Dfile.encoding=utf-8**. Save it.



```

1 -Djava.endorsed.dirs=C:\Boomi AtomSphere\Atom - local_atom\endorsed
2 -Xmx512m
3 -Dsun.net.client.defaultConnectTimeout=120000
4 -Dsun.net.client.defaultReadTimeout=120000
5 -Dsun.net.http.retryPost=false
6 -Dcom.boomi.container.securityCompatibility=2019.01
7 -Dfile.encoding=utf-8
8
9

```

Step 3: If Atom is running as Desktop, we will go to <Local Atom Install>/bin/atomw.vmoptions file.

› This PC › Windows-SSD (C:) › Boomi AtomSphere › Atom - local_atom › bin

Name	Date modified	Type	Size
animatedtrayicon	8/24/2020 10:57 AM	GIF File	6 KB
atom	8/24/2020 10:57 AM	Application	249 KB
atom.vmoptions	11/4/2020 1:15 PM	VMOPTIONS File	1 KB
atomdesktop	8/24/2020 10:57 AM	Application	241 KB
atomdesktop.vmoptions	11/4/2020 1:15 PM	VMOPTIONS File	1 KB
atomLock.lck	11/16/2020 12:50 PM	LCK File	0 KB
atomw	8/24/2020 10:57 AM	Application	241 KB
atomw.vmoptions	11/4/2020 1:15 PM	VMOPTIONS File	1 KB
build.number	11/16/2020 12:50 PM	NUMBER File	1 KB
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restart	11/4/2020 1:15 PM	Windows Batch File	2 KB
restart	11/16/2020 12:50 PM	Text Document	2 KB
restart	11/4/2020 1:15 PM	Windows PowerSh...	1 KB
restart.sh	8/24/2020 10:57 AM	SH File	1 KB
trayicon	8/24/2020 10:57 AM	PNG File	1 KB

Step 4: Open atomw.vmoptions file and add the code **-Dfile.encoding=utf-8**. Save it.

```
1 -Djava.endorsed.dirs=C:\Boomi AtomSphere\Atom - local_atom\endorsed
2 -Xmx512m
3 -Dsun.net.client.defaultConnectTimeout=120000
4 -Dsun.net.client.defaultReadTimeout=120000
5 -Dsun.net.http.retryPost=false
6 -Dcom.boomi.container.securityCompatibility=2019.01
7 -Dfile.encoding=utf-8
8
9
```

NOTE: After saving the file, restart the atom.



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TGH Software Solutions Pvt. Ltd.

www.techygeekhub.com

At TGH, we specialize in driving digital transformation through seamless Integration Technologies.

Operating as an INTEGRATION FACTORY, we serve as a one-stop shop for all your integration needs. Our expert team is well-versed in enterprise software and legacy system integration, along with leading iPaaS technologies like Boomi, MuleSoft, Workato, OIC, and more.

We're committed to enhancing business processes and solving problems through our integration expertise.



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