

Channel Setup
Oracle Banking Liquidity Management
Release 14.1.0.0.0
[May] [2018]



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Liquidity Management Channel Setup

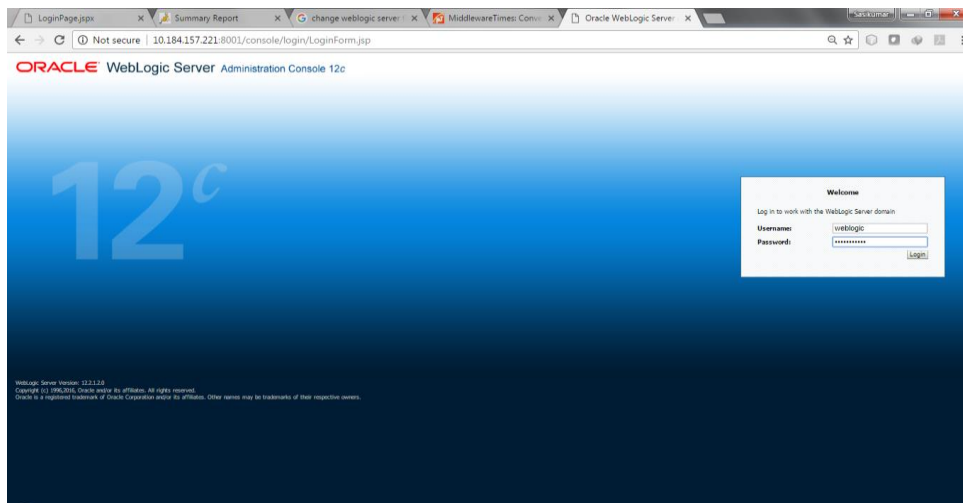
1.1 Introduction

In this part basically, we will do configuration of Weblogic Administrative console.

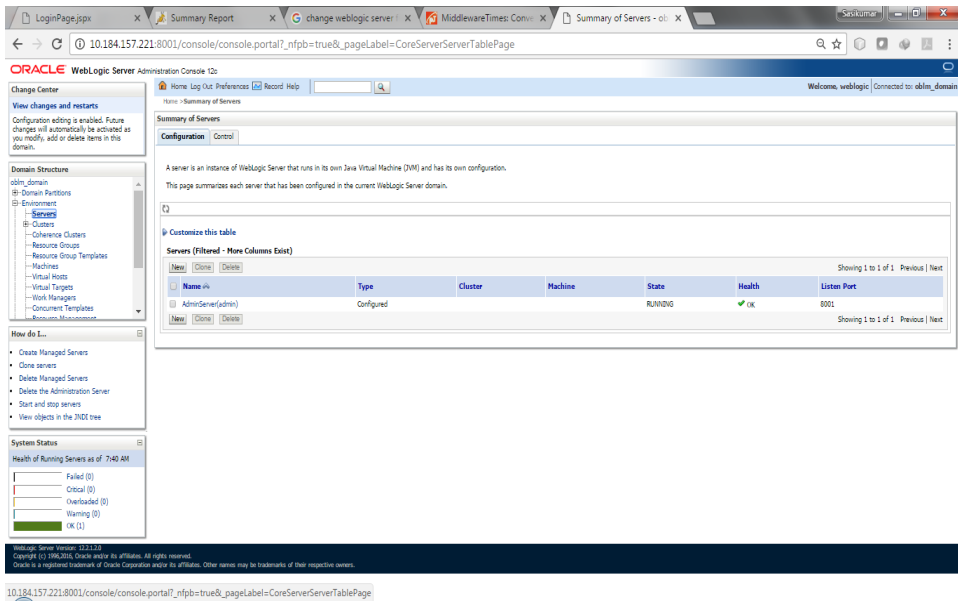
Prerequisite: Weblogic Server should be installed and oracle weblogic server domain should be installed as mentioned in “**Oracle_Banking_Liquidity_Management_12 4 0 0 0_Application_Setup.doc**”.

1.2 Steps to be followed for configuration of Administrative console

1. Give the credential in the console page that you have set in Administrator Account screen.



2. Now we can see home screen. In home screen in the left side you will find Domain Structure column. Go to Environment and click on sever under that.



1.2.1 Create Managed Server

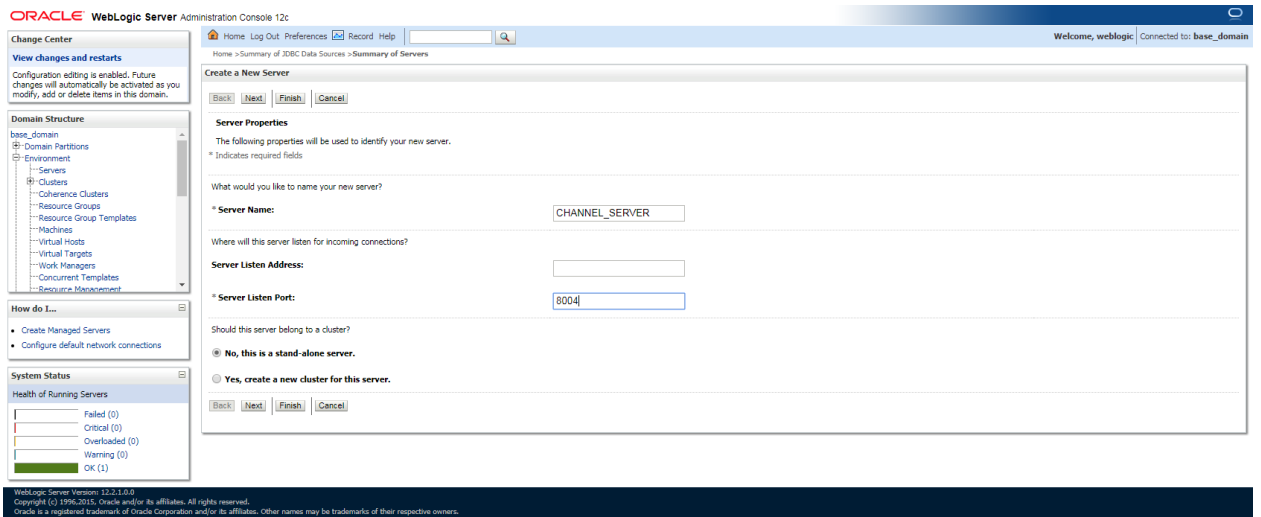
1. Click on **New** to create a new server.

Enter the following details.

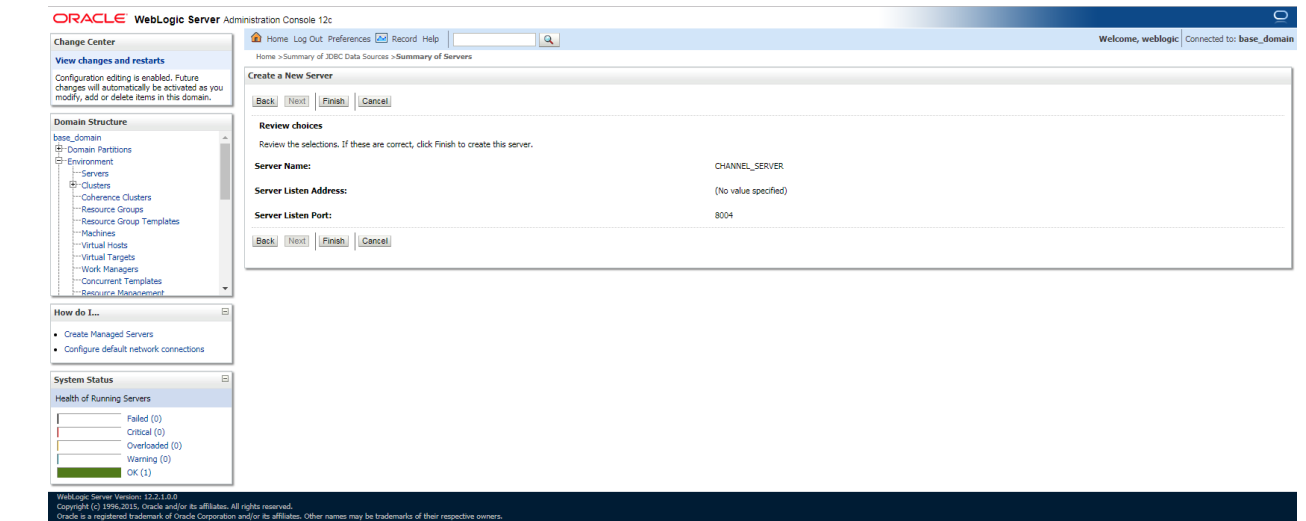
Server Name : CHANNEL_SERVER

Server Listen Port: 8004

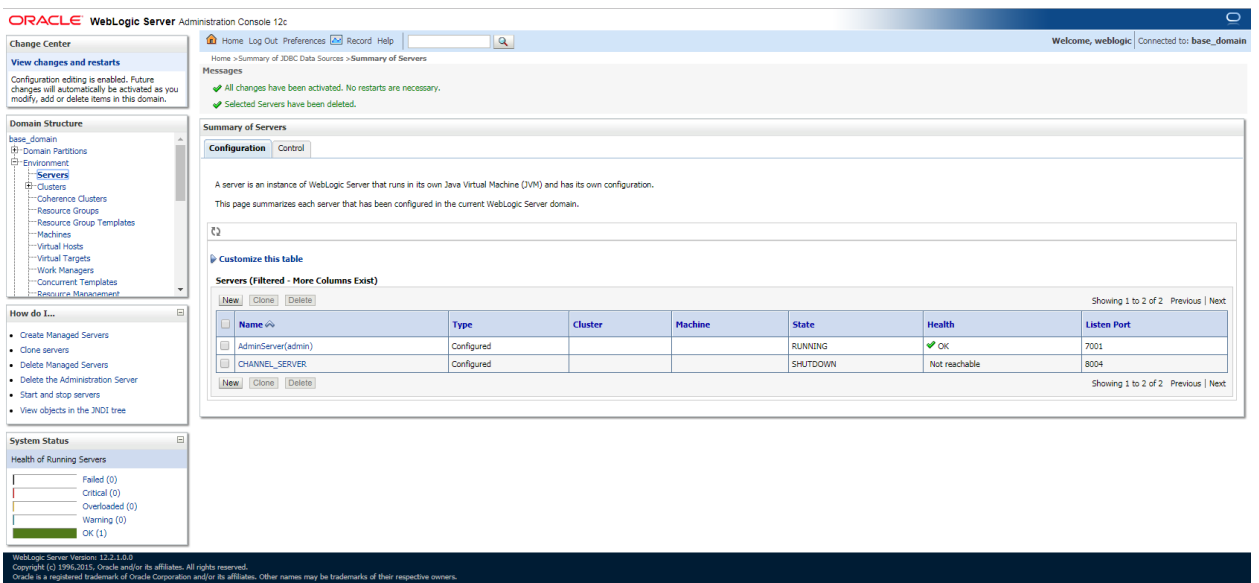
Leave other fields as it is.



2. Click Next. The following screen will come.

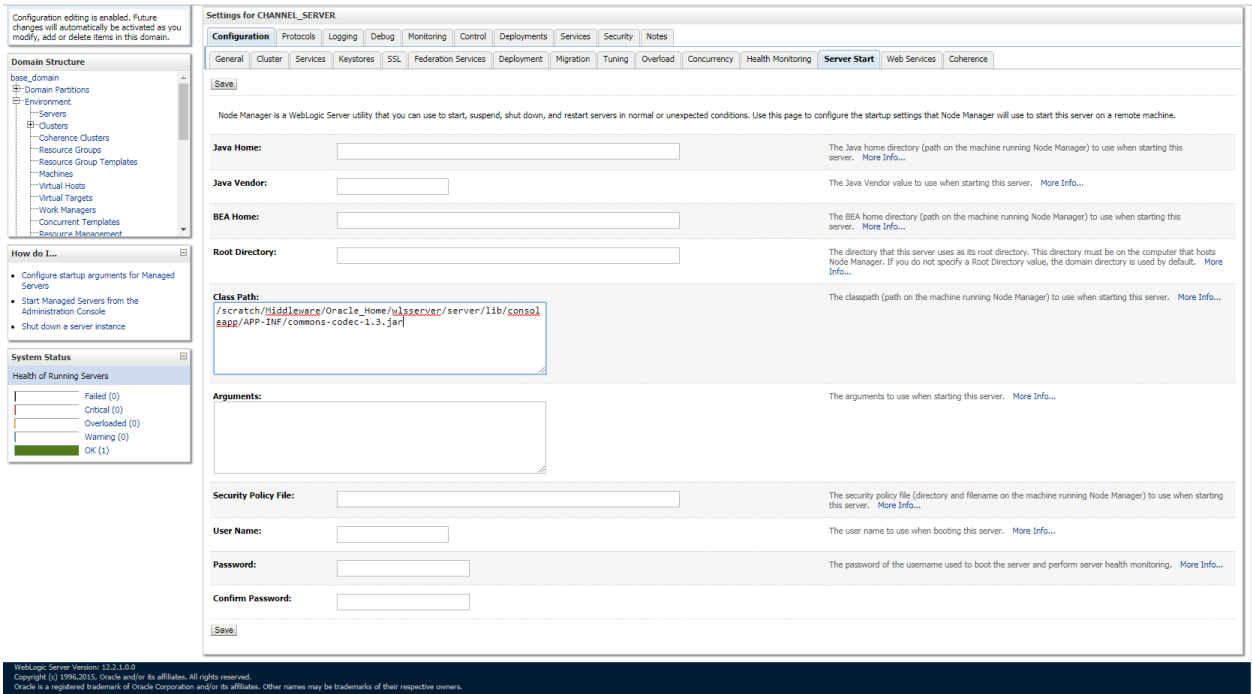


3. Click on **finish**. The following screen will come.



4. Click **CHANNEL_SERVER**, Under **Configuration** click the **Server Start** Menu,

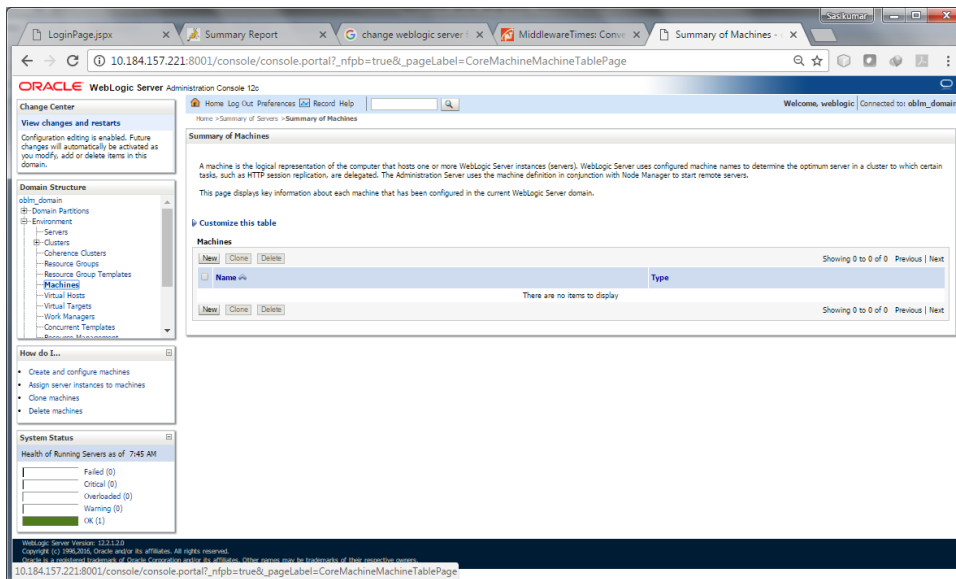
In **Class Path** field add the following Jar path /<<weblogic home>>/wls/server/server/lib/consoleapp/APP-INF/lib/commons-codec-1.3.jar



5. Click on **Save**.

1.2.2 Create Machine

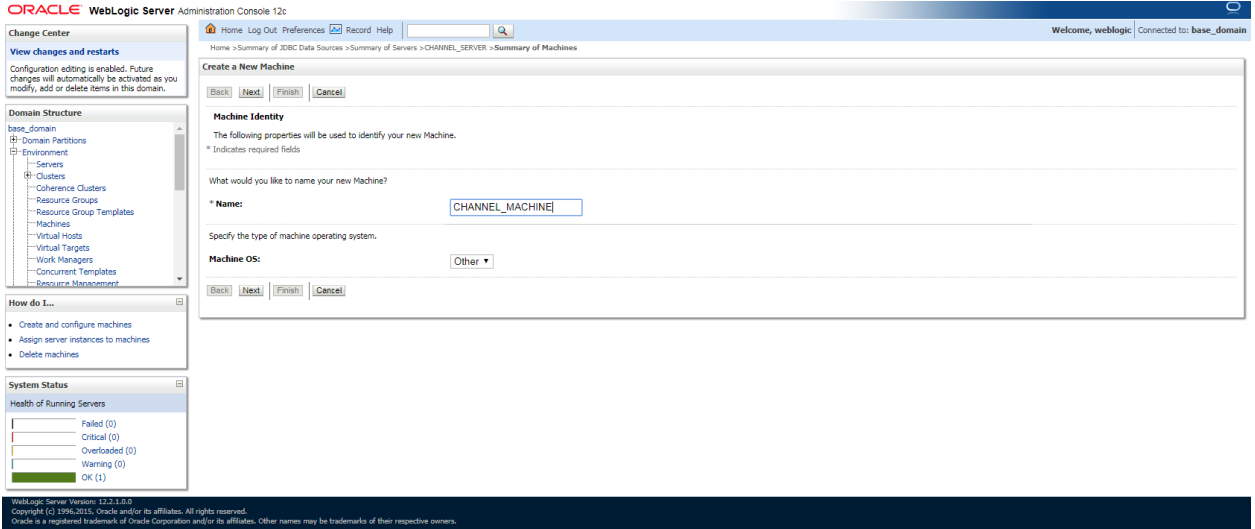
1. Under **Environment** click on **Machine** then following screen will come. Click on **New**.



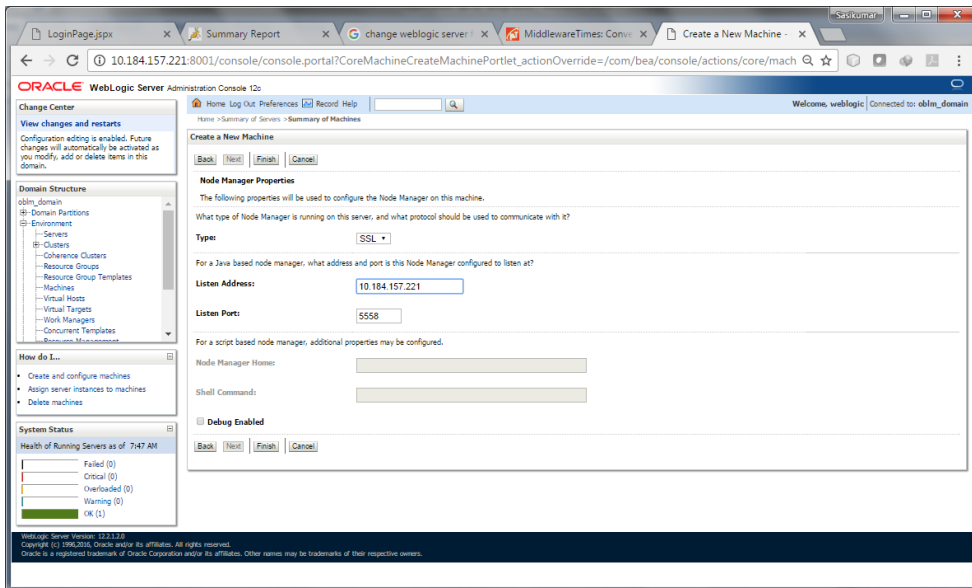
2. Give the following details.

Name: **CHANNEL_MACHINE**

Machine OS: **others**



3. Click on **Next**. Enter “localhost” or the I.P. Address of the system as Listen Address. Click on **Finish**.



4. CHANNEL_MACHINE is created

The screenshot shows the Oracle WebLogic Server Administration Console. The left sidebar contains navigation menus for 'Change Center', 'Domain Structure', 'How do I...', and 'System Status'. The main content area is titled 'Summary of Machines' and includes a 'Messages' section with two green checkmarks indicating successful operations. Below this is a 'Summary of Machines' text block and a 'Customize this table' section. The 'Machines' table is displayed with the following data:

Name	Type
CHANNEL_MACHINE	Machine

At the bottom of the console, the version information is displayed: 'WebLogic Server Version: 12.2.1.0.0 Copyright (c) 1996, 2015, Oracle and/or its affiliates. All rights reserved. Oracle is a registered trademark of Oracle Corporation and/or its affiliates. Other names may be trademarks of their respective owners.'

5. Map CHANNEL_SERVER to CHANNEL_MACHINE

The screenshot shows the 'Settings for CHANNEL_SERVER' page in the Oracle WebLogic Server Administration Console. The left sidebar is identical to the previous screenshot. The main content area is titled 'Settings for CHANNEL_SERVER' and includes a 'Configuration' tab. The 'General' sub-tab is active, showing various configuration fields. The 'Machine' field is set to 'CHANNEL_MACHINE'. Other fields include 'Name' (CHANNEL_SERVER), 'Template' (No value specified), 'Cluster' (Stand-Alone), 'Listen Address' (empty), 'Listen Port' (8004), 'SSL Listen Port' (7002), 'Java Compiler' (javac), and 'Diagnostic Volume' (Low). A 'Save' button is located at the bottom of the configuration area.

1.2.3 Connect Data Source

1.2.3.1 Connect LM Data source

1. Click on the Data Sources under Services

The screenshot shows the Oracle WebLogic Server Administration Console. The left sidebar contains a 'Domain Structure' tree with 'Data Sources' selected under 'Services'. The main content area is titled 'Summary of JDBC Data Sources' and includes a table of existing data sources.

Summary of JDBC Data Sources

A JDBC data source is an object bound to the JNDI tree that provides database connectivity through a pool of JDBC connections. Applications can look up a data source on the JNDI tree and then borrow a database connection from a data source. This page summarizes the JDBC data source objects that have been created in this domain.

Customize this table

Data Sources (Filtered - More Columns Exist)

Name	Type	JNDI Name	Targets	Scope	Domain Partitions
jdbc/lm	Generic	jdbc/lm	AdminServer	Global	

2. Click the jdbc/lm datasource link.

ORACLE WebLogic Server Administration Console 12c

Home Log Out Preferences Record Help

Welcome, weblogic Connected to: base_domain

Settings for jdbc/1m

Configuration Targets Monitoring Control Security Notes

General Connection Pool Oracle DNS Transaction Diagnostics Identity Options

Save

Applications get a database connection from a data source by looking up the data source on the Java Naming and Directory Interface (JNDI) tree and then requesting a connection. The data source provides the connection to the application from its pool of database connections. This page enables you to define general configuration options for this JDBC data source.

Name: jdbc/1m A unique name that identifies this data source in the WebLogic domain. More Info...

Datasource Type: GENERIC The data source type. Valid types are: More Info...

Scope: Global The scope in which the data source is available in. More Info...

JNDI Name: jdbc/1m The JNDI path to where this data source is bound. By default, the JNDI name is the name of the data source. More Info...

Row Prefetch Enabled: Enables multiple rows to be "prefetched" (that is, sent from the server to the client) in one server access. More Info...

Row Prefetch Size: 48 If row prefetching is enabled, specifies the number of result set rows to prefetch for a client. More Info...

Stream Chunk Size: 256 Specifies the data chunk size for streaming data types. More Info...

Save

WebLogic Server Version: 12.2.1.0.0
Copyright (c) 1996-2015, Oracle and/or its affiliates. All rights reserved.
Oracle is a registered trademark of Oracle Corporation and/or its affiliates. Other names may be trademarks of their respective owners.

3. Click the Targets link.

ORACLE WebLogic Server Administration Console 12c

Home Log Out Preferences Record Help

Welcome, weblogic Connected to: base_domain

Settings for jdbc/1m

Configuration Targets Monitoring Control Security Notes

Save

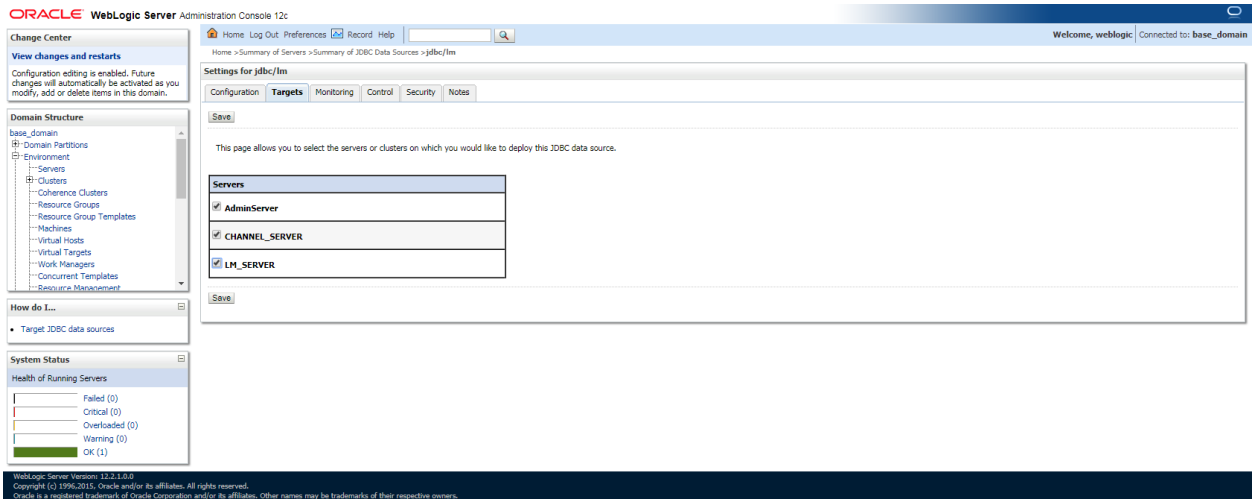
This page allows you to select the servers or clusters on which you would like to deploy this JDBC data source.

Servers
<input checked="" type="checkbox"/> AdminServer
<input type="checkbox"/> CHANNEL_SERVER
<input checked="" type="checkbox"/> LM_SERVER

Save

WebLogic Server Version: 12.2.1.0.0
Copyright (c) 1996-2015, Oracle and/or its affiliates. All rights reserved.
Oracle is a registered trademark of Oracle Corporation and/or its affiliates. Other names may be trademarks of their respective owners.

4. Choose the Target Server as CHANNEL_SERVER and Click Save button.



1.2.4 Build Liquidity Managements Executable Files

1. Edit **HostConfig.properties** file

Go to the below folder

("...*HostWorkspace*\host12.2.1*Common*\com.ofss.glm.config\src\com\ofss\glm\config\properties") of the OSDC Package and Open **HostConfig.properties** and edit the below values:

Protocol = http or https based on the protocol setting of the server

Host = Host Name or IP of the Server that is Listening Address

Port = Listening Port of the managed server (CHANNEL_SERVER)

basicAuthenticationEnable= Enable the basic Authentication for Rest Services.

****Note:** Create folder as mentioned in **LOG_PATH** variable

Folder:

D:\OSDC\OBLM 12.4\HostWorkspace\host12.2.1\Common\com.ofss.glm.config\src\com\ofss\glm\config\properties

```
HostConfig.properties - Notepad
File Edit Format View Help
protocol=https
host = 10.184.158.192
port = 8004
appurl = /GLMServices/Proxies
DEBUG = Y
LOG_PATH=/scratch/OBLM_Log/CHANNEL_LOG/LMLog.log
basicAuthenticationEnable=true

crcsetup_create = /CountrySetupApplicationServiceProxy/create
crcsetup_read = /CountrySetupApplicationServiceProxy/fetch
crcsetup_update = /CountrySetupApplicationServiceProxy/update
crcsetup_delete = /CountrySetupApplicationServiceProxy/delete
crcsetup_bulkupload = /CountrySetupApplicationServiceProxy/bulkupload
crcsetup_countrylist = /CountrySetupApplicationServiceProxy/fetchAllCountries
crcsetup_regionlist = /CountrySetupApplicationServiceProxy/fetchAllRegions
crcsetup_lmcountrylist = /CountrySetupApplicationServiceProxy/fetchCountriesCode
crossbordersetup_create = /CrossBorderSetupApplicationServiceProxy/create
crossbordersetup_update = /CrossBorderSetupApplicationServiceProxy/update
crossbordersetup_delete = /CrossBorderSetupApplicationServiceProxy/delete
crossbordersetup_bulkupload = /host/scratch/oracle/LM_FILEUPLOAD/Batch/crossborderSetup
crossbordersetup_branchlist = /CrossBorderSetupApplicationServiceProxy/fetchAllBranches
crossbordersetup_branchlistview = /CrossBorderSetupApplicationServiceProxy/fetchAllBranchesView
crossbordersetup_setupbranchlist = /CrossBorderSetupApplicationServiceProxy/fetchSetupBranches
crossbordersetup_channellist = /CrossBorderSetupApplicationServiceProxy/fetchChannelDetails
crossbordersetup_paramlist = /CrossBorderSetupApplicationServiceProxy/fetchParamTypes
crossbordersetup_systemids = /CrossBorderSetupApplicationServiceProxy/fetchSystemIds

branchholidaysetup_read = /HLBranch/query
branchholidaysetup_update = /HLBranch/modify
branchholidaysetup_create = /HLBranch/create
branchholidaysetup_bulkupdate = /HLBranch/bulkmodify
branchholidaysetup_branchlist = /HLBranch/branchlov
icproduct_create = /ICProduct/create
icproduct_bulkcreate = /ICProduct/bulkcreate
icproduct_modify = /ICProduct/modify
icproduct_bulkmodify = /ICProduct/bulkmodify
icproduct_query = /ICProduct/query
icproduct_close = /ICProduct/close
icproduct_currencylov = /ICProduct/icProductCcy
icproduct_rulelov = /ICProduct/icProductRule
icproduct_accountlov = /ICProduct/icProductAccntClass
icproduct_intrateude = /ICProduct/icProductIntrateude
icproduct_productgrouplov = /ICProduct/icProductGroup
icrule_systemelementslov = /ICRule/systemElementLov
icrule_primaryelementslov = /ICRule/primaryElementLov
icrule_create = /ICRule/create
icrule_bulkcreate = /ICRule/bulkcreate
```

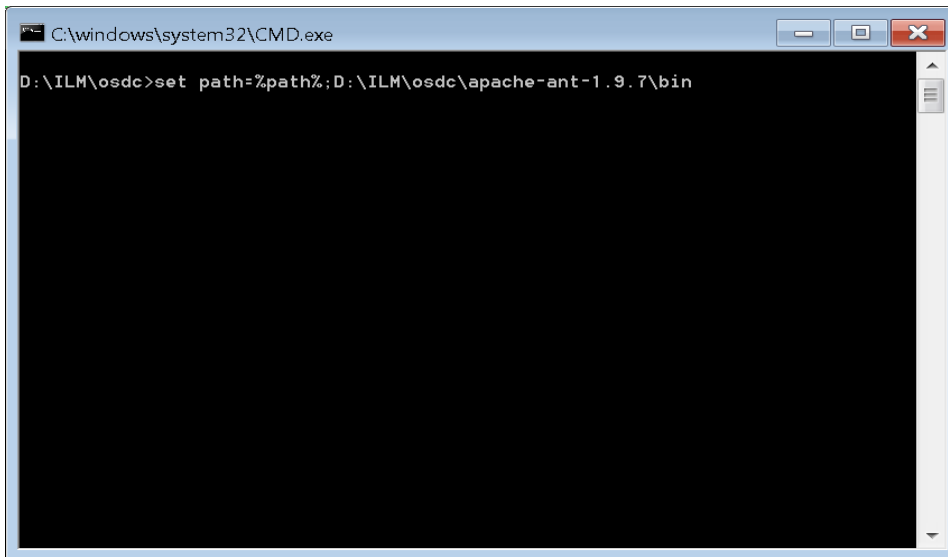
2. Open the Command prompt and Point it to the OSDC package location

```
Command Prompt
D:\OSDC\OBLM 12.4.0>
```

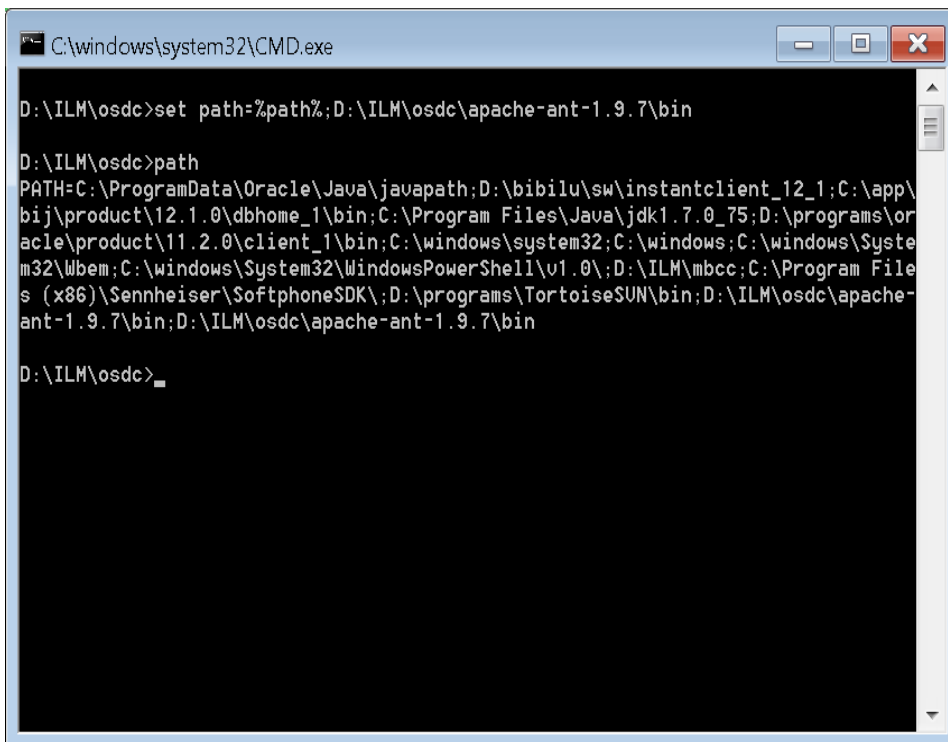
3. Add Path

Set the Ant path using the following Commands

set path=%path%;D:\ILM\osdc\apache-ant-1.9.7\bin



```
C:\windows\system32\CMD.exe
D:\ILM\osdc>set path=%path%;D:\ILM\osdc\apache-ant-1.9.7\bin
```



```
C:\windows\system32\CMD.exe
D:\ILM\osdc>set path=%path%;D:\ILM\osdc\apache-ant-1.9.7\bin
D:\ILM\osdc>path
PATH=C:\ProgramData\Oracle\Java\javapath;D:\bibilu\sw\instantclient_12_1;C:\app\
bij\product\12.1.0\dbhome_1\bin;C:\Program Files\Java\jdk1.7.0_75;D:\programs\or
acle\product\11.2.0\client_1\bin;C:\windows\system32;C:\windows;C:\windows\Syste
m32\Wbem;C:\windows\System32\WindowsPowerShell\v1.0\;D:\ILM\mbcc;C:\Program File
s (x86)\Sennheiser\SoftphoneSDK\;D:\programs\TortoiseSUN\bin;D:\ILM\osdc\apache-
ant-1.9.7\bin;D:\ILM\osdc\apache-ant-1.9.7\bin
D:\ILM\osdc>_
```

4. Enter the following command to build the Host side class files.

“ant -f build_host_jars.xml” and press **“Enter”**

```
C:\Windows\System32\cmd.exe
Microsoft Windows [Version 6.1.7601]
Copyright (c) 2009 Microsoft Corporation. All rights reserved.
D:\OSDC\OBLM 12.4.0>ant -f build_host_jars.xml

hivee\com.ofss.glm.module.ejb.flexcube.jar
build-info.jar:
  [jar] Building jar: D:\OSDC\OBLM 12.4.0\HostWorkspace\host12.2.1\build\arc
hivee\com.ofss.glm.module.ejb.flexcube.jar
build-dashboard.jar:
  [jar] Building jar: D:\OSDC\OBLM 12.4.0\HostWorkspace\host12.2.1\build\arc
hivee\com.ofss.glm.module.ejb.dashboard.jar
build-fileupload.jar:
  [jar] Building jar: D:\OSDC\OBLM 12.4.0\HostWorkspace\host12.2.1\build\arc
hivee\com.ofss.glm.module.ejb.fileupload.jar
build-reports.jar:
  [jar] Building jar: D:\OSDC\OBLM 12.4.0\HostWorkspace\host12.2.1\build\arc
hivee\com.ofss.glm.module.ejb.reports.jar
build-simulation.jar:
  [jar] Building jar: D:\OSDC\OBLM 12.4.0\HostWorkspace\host12.2.1\build\arc
hivee\com.ofss.glm.module.ejb.simulation.jar
build-SMS.jar:
  [jar] Building jar: D:\OSDC\OBLM 12.4.0\HostWorkspace\host12.2.1\build\arc
hivee\com.ofss.glm.module.ejb.SMS.jar
build-FC.jar:
  [jar] Building jar: D:\OSDC\OBLM 12.4.0\HostWorkspace\host12.2.1\build\arc
hivee\com.ofss.glm.module.ejb.fc.jar
build-PaymentHandoff.jar:
  [jar] Building jar: D:\OSDC\OBLM 12.4.0\HostWorkspace\host12.2.1\build\arc
hivee\com.ofss.glm.module.paymenthandoff.jar
build-liquiditygrp.jar:
  [jar] Building jar: D:\OSDC\OBLM 12.4.0\HostWorkspace\host12.2.1\build\arc
hivee\com.ofss.glm.module.ejb.liquiditygrp.jar
build-Setup.jar:
  [jar] Building jar: D:\OSDC\OBLM 12.4.0\HostWorkspace\host12.2.1\build\arc
hivee\com.ofss.glm.module.ejb.setup.jar
build-structuremanagement.jar:
  [jar] Building jar: D:\OSDC\OBLM 12.4.0\HostWorkspace\host12.2.1\build\arc
hivee\com.ofss.glm.module.ejb.structuremanagement.jar
build-aveep.jar:
  [jar] Building jar: D:\OSDC\OBLM 12.4.0\HostWorkspace\host12.2.1\build\arc
hivee\com.ofss.glm.module.ejb.aveep.jar
build-batch.jar:
  [jar] Building jar: D:\OSDC\OBLM 12.4.0\HostWorkspace\host12.2.1\build\arc
hivee\com.ofss.glm.module.ejb.batch.jar
build-Pool.jar:
  [jar] Building jar: D:\OSDC\OBLM 12.4.0\HostWorkspace\host12.2.1\build\arc
hivee\com.ofss.glm.module.ejb.pool.jar
build-Eod.jar:
  [jar] Building jar: D:\OSDC\OBLM 12.4.0\HostWorkspace\host12.2.1\build\arc
hivee\com.ofss.glm.module.ejb.eod.jar
create-war:
  [war] Building war: D:\OSDC\OBLM 12.4.0\HostWorkspace\host12.2.1\build\arc
hivee\com.ofss.glm.app.client.proxy.war
build-ear:
  [ear] Building ear: D:\OSDC\OBLM 12.4.0\HostWorkspace\host12.2.1\build\arc
hivee\com.ofss.glm.ear
[echo] ear build successfully
copy: [copy] Copying 2 files to D:\OSDC\OBLM 12.4.0\UIReleasedArea\host
copyEar:
  [copy] Copying 1 file to D:\OSDC\OBLM 12.4.0\UIReleasedArea\Deploy\host
BUILD SUCCESSFUL
Total time: 2 seconds
D:\OSDC\OBLM 12.4.0>
```

```
C:\Windows\System32\cmd.exe
hivee\com.ofss.glm.module.ejb.flexcube.jar
build-info.jar:
  [jar] Building jar: D:\OSDC\OBLM 12.4.0\HostWorkspace\host12.2.1\build\arc
hivee\com.ofss.glm.module.ejb.flexcube.jar
build-dashboard.jar:
  [jar] Building jar: D:\OSDC\OBLM 12.4.0\HostWorkspace\host12.2.1\build\arc
hivee\com.ofss.glm.module.ejb.dashboard.jar
build-fileupload.jar:
  [jar] Building jar: D:\OSDC\OBLM 12.4.0\HostWorkspace\host12.2.1\build\arc
hivee\com.ofss.glm.module.ejb.fileupload.jar
build-reports.jar:
  [jar] Building jar: D:\OSDC\OBLM 12.4.0\HostWorkspace\host12.2.1\build\arc
hivee\com.ofss.glm.module.ejb.reports.jar
build-simulation.jar:
  [jar] Building jar: D:\OSDC\OBLM 12.4.0\HostWorkspace\host12.2.1\build\arc
hivee\com.ofss.glm.module.ejb.simulation.jar
build-SMS.jar:
  [jar] Building jar: D:\OSDC\OBLM 12.4.0\HostWorkspace\host12.2.1\build\arc
hivee\com.ofss.glm.module.ejb.SMS.jar
build-FC.jar:
  [jar] Building jar: D:\OSDC\OBLM 12.4.0\HostWorkspace\host12.2.1\build\arc
hivee\com.ofss.glm.module.ejb.fc.jar
build-PaymentHandoff.jar:
  [jar] Building jar: D:\OSDC\OBLM 12.4.0\HostWorkspace\host12.2.1\build\arc
hivee\com.ofss.glm.module.paymenthandoff.jar
build-liquiditygrp.jar:
  [jar] Building jar: D:\OSDC\OBLM 12.4.0\HostWorkspace\host12.2.1\build\arc
hivee\com.ofss.glm.module.ejb.liquiditygrp.jar
build-Setup.jar:
  [jar] Building jar: D:\OSDC\OBLM 12.4.0\HostWorkspace\host12.2.1\build\arc
hivee\com.ofss.glm.module.ejb.setup.jar
build-structuremanagement.jar:
  [jar] Building jar: D:\OSDC\OBLM 12.4.0\HostWorkspace\host12.2.1\build\arc
hivee\com.ofss.glm.module.ejb.structuremanagement.jar
build-aveep.jar:
  [jar] Building jar: D:\OSDC\OBLM 12.4.0\HostWorkspace\host12.2.1\build\arc
hivee\com.ofss.glm.module.ejb.aveep.jar
build-batch.jar:
  [jar] Building jar: D:\OSDC\OBLM 12.4.0\HostWorkspace\host12.2.1\build\arc
hivee\com.ofss.glm.module.ejb.batch.jar
build-Pool.jar:
  [jar] Building jar: D:\OSDC\OBLM 12.4.0\HostWorkspace\host12.2.1\build\arc
hivee\com.ofss.glm.module.ejb.pool.jar
build-Eod.jar:
  [jar] Building jar: D:\OSDC\OBLM 12.4.0\HostWorkspace\host12.2.1\build\arc
hivee\com.ofss.glm.module.ejb.eod.jar
create-war:
  [war] Building war: D:\OSDC\OBLM 12.4.0\HostWorkspace\host12.2.1\build\arc
hivee\com.ofss.glm.app.client.proxy.war
build-ear:
  [ear] Building ear: D:\OSDC\OBLM 12.4.0\HostWorkspace\host12.2.1\build\arc
hivee\com.ofss.glm.ear
[echo] ear build successfully
copy: [copy] Copying 2 files to D:\OSDC\OBLM 12.4.0\UIReleasedArea\host
copyEar:
  [copy] Copying 1 file to D:\OSDC\OBLM 12.4.0\UIReleasedArea\Deploy\host
BUILD SUCCESSFUL
Total time: 2 seconds
D:\OSDC\OBLM 12.4.0>
```

1.2.5 Deploy Liquidity Management Executable Files

NOTE : If Oracle Fusion Middleware 12c Infrastructure (Example: Weblogic Server) is installed and any domain is available in local system, deployment can be done using the script see section 2.2.6.1 else Manual Deployment can be done see section 2.2.6.2.

1.2.5.1 Deployment using Scripts

1. Change the Following values in **Build.properties** file under the OSDC source

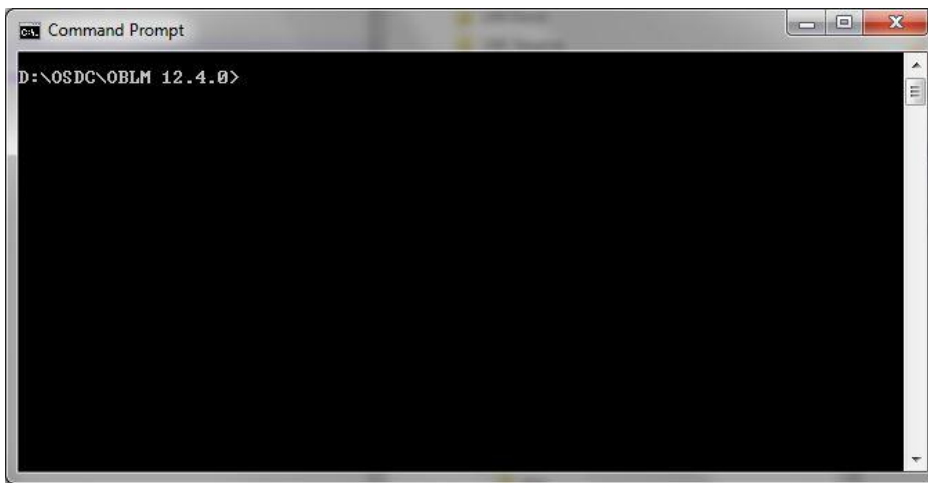
```
1 #Wed Apr 08 12:14:57 IST 2017
2
3 install.dir=C:\Oracle\Middleware\Oracle_Home
4 domain.path=\\scratch\Middleware\Oracle_Home\user_projects\domains\oblm_domain
5 domain.name=OBLM_domain
6 host=10.184.157.221
7 port=8005
8
9 wls.ui.url=t3://10.184.157.221:8001
10 wls.ui.server.name=LM_SERVER
11 wls.ui.deploy.name=AAGLMSHELL-1
12 wls.ui.userName=weblogic
13 wls.ui.password=weblogic123
14 wls.ui.deploy.source=UIReleasedArea/Deploy/ui/buildScript/GLMSHELL.ear
15
16 wls.host.url=t3://10.184.157.221:8001
17 wls.host.server.name=LM_SERVER
18 wls.host.deploy.name=com.ofss.glm-1
19 wls.host.userName=weblogic
20 wls.host.password=weblogic123
21 wls.host.deploy.source=UIReleasedArea/Deploy/host/com.ofss.glm.ear
22
23
```

Use the following details:

- i. **install.dir**= Point to it to the weblogic home folder in the local system. For Example: "C:\Oracle\Middleware\Oracle_Home". (Change it to the format as shown in the figure)
- ii. **domain.path**= Point it to the weblogic domain folder created for the application (*i.e. channel_domain*). (Change it to the format as shown in the figure)
- iii. **domain.name**= Enter the name of weblogic domain created in the local system. Leave it blank if no domain exists.
- iv. **wls.ui.url**= Enter URL of the Weblogic Console in the following format **t3://<ip_address>:<admin_server_port_no>**
- v. **wls.ui.username**= Enter the username of the Weblogic Console
- vi. **wls.ui.password**= Enter the password of the Weblogic Console
- vii. **wls.host.url**= Same as wls.ui.url
- viii. **wls.host.username**= Same as wls.ui.username
- ix. **wls.host.password**= Same as wls.ui.password

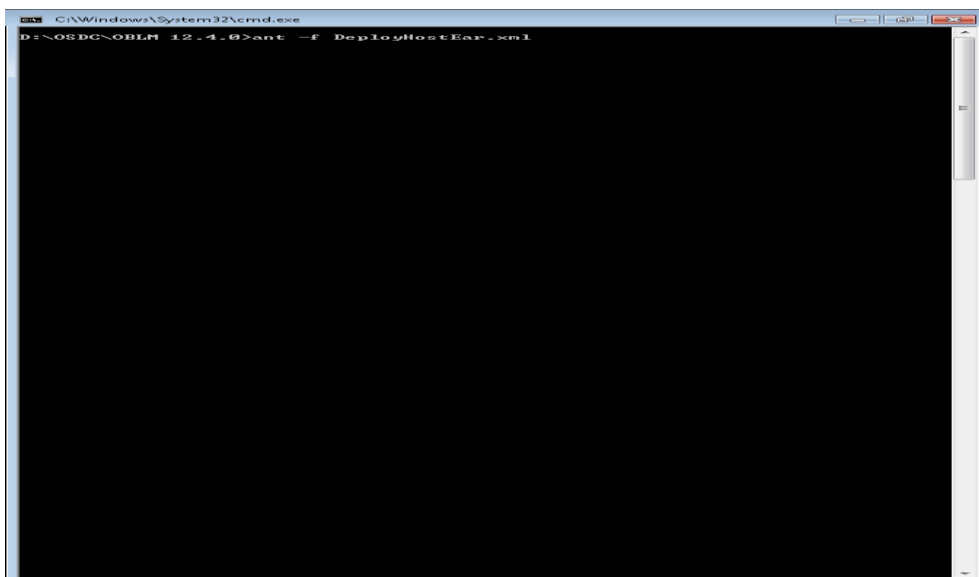
Define remaining properties as mentioned in above screen shot.

2. Open the Command prompt and Point it to the OSDC package location



3. Enter the following command to deploy the Host EAR file.

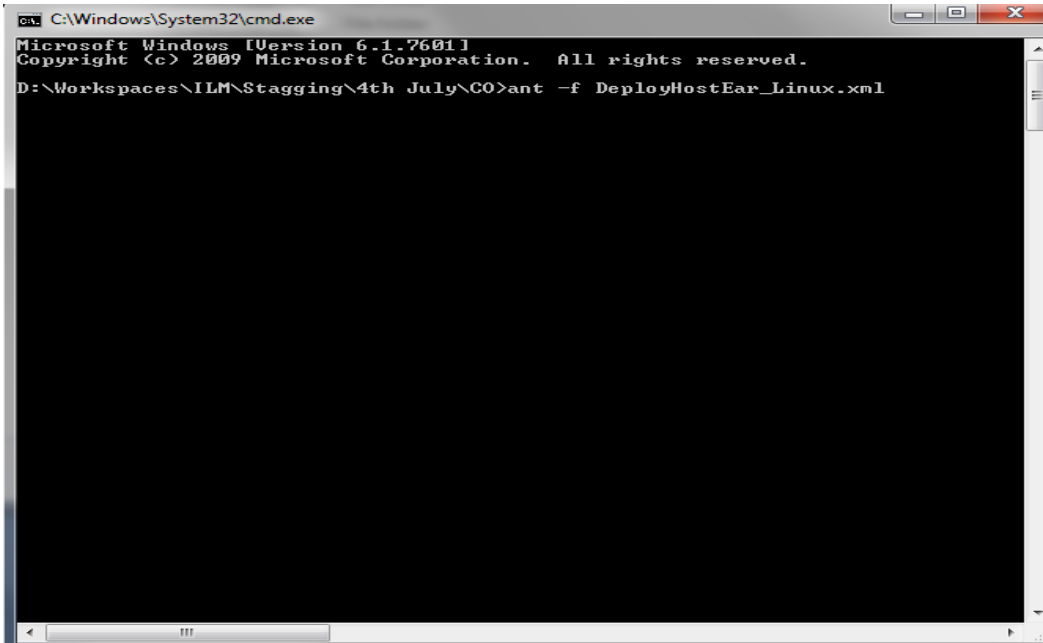
"ant -f DeployHostEar.xml" and press **"Enter"** (Windows System)




```
C:\Windows\System32\cmd.exe
lodeploy at sun.reflect.DelegatingMethodAccessorImpl.invoke
re<DelegatingMethodAccessorImpl.java:433> at java.lang.reflect.Method.invoke<Method.java:4
lodeploy at java.io.ObjectStreamClass.invokeWriteObject<O
lodeploy at java.io.ObjectStreamClass.invokeWriteObject<O
ObjectStreamClass.java:1028> at java.io.ObjectOutputStream.writeSerialData<Ob
lodeploy at java.io.ObjectOutputStream.writeOrdinaryObject<Ob
ObjectOutputStream.java:1496> at java.io.ObjectOutputStream.writeOrdinaryObject<Ob
t<ObjectOutputStream.java:1432> at java.io.ObjectOutputStream.writeObject<Object
lodeploy at java.io.ObjectOutputStream.defaultWriteFields
ObjectOutputStream.java:1548> at java.io.ObjectOutputStream.writeSerialData<Ob
ObjectOutputStream.java:1509> at java.io.ObjectOutputStream.writeOrdinaryObject
t<ObjectOutputStream.java:1432> at java.io.ObjectOutputStream.writeObject<Object
ObjectOutputStream.java:1178> at java.io.ObjectOutputStream.writeOrdinaryObject
ObjectOutputStream.java:1978> at java.io.ObjectOutputStream.writeObject<Object
ObjectOutputStream.java:1174> at java.io.ObjectOutputStream.writeObject<Object
ObjectOutputStream.java:148> at java.io.ObjectOutputStream.writeObject<Object
lodeploy at weblogic.rfm.MessageStreamOutputStream.writeObject<Object
lodeploy at weblogic.atils.io.ChunkedObjectOutputStream.w
writeObject<ChunkedObjectOutputStream.java:627> at javax.management.remote.rmi.RMIConnectionImpl
VLSKs.invoke<Unknown Source> at weblogic.rmi.internal.BasicServerRef.invoke<B
BasicServerRef.java:642> at weblogic.rmi.internal.BasicServerRef$2.run<Ba
BasicServerRef.java:634> at weblogic.security.acl.internal.AuthenticatedS
lodeploy at weblogic.security.service.SecurityManager.run
lodeploy at weblogic.rmi.internal.BasicServerRef.handleRe
lodeploy at weblogic.rmi.internal.vls.VLSExecuteRequest.r
lodeploy at weblogic.invocation.ComponentInvocationContextManag
lodeploy at weblogic.invocation.ComponentInvocationContextManag
lodeploy at weblogic.invocation.ComponentInvocationContextManag
lodeploy at weblogic.work.LivePartitionUtility.doRunWorkU
lodeploy at weblogic.work.LivePartitionUtility.doRunWorkU
lodeploy at weblogic.work.PartitionUtility.runWorkUnderCo
lodeploy at weblogic.work.SelfTuningWorkManagerImpl.runWo
lodeploy at weblogic.work.ExecuteThread.execute<ExecuteTh
lodeploy at weblogic.work.ExecuteThread.run<ExecuteThread
Java:1340>
lodeploy Target Assignments:
lodeploy +com.oracle.glm-1 MS-ITR
lodeploy IServerConnectionImpl.close<>:3541 : Closing DM connecti
on
lodeploy IServerConnectionImpl.close<>:3741 : Unregistered all li
steners
lodeploy IServerConnectionImpl.closeJMX<>:3941 : Closed JMX conne
ction
lodeploy IServerConnectionImpl.closeJMX<>:4061 : Closed Runtime J
MX connection
lodeploy IServerConnectionImpl.closeJMX<>:4181 : Closed Edit JMX
connection
lodeploy [echo] ear deployed successfully
lodeploy
lodeploy BUILD SUCCESSFUL
lodeploy Total time: 7 seconds
BUILD SUCCESSFUL
Total time: 7 seconds
D:\ORDC\ORLM 12.4.02
```

[Note: If user is having Linux system use the following command]

“ant -f DeployHostEar_Linux.xml” and press “Enter” (Linux System)



```
C:\Windows\System32\cmd.exe
Microsoft Windows [Version 6.1.7601]
Copyright (c) 2009 Microsoft Corporation. All rights reserved.

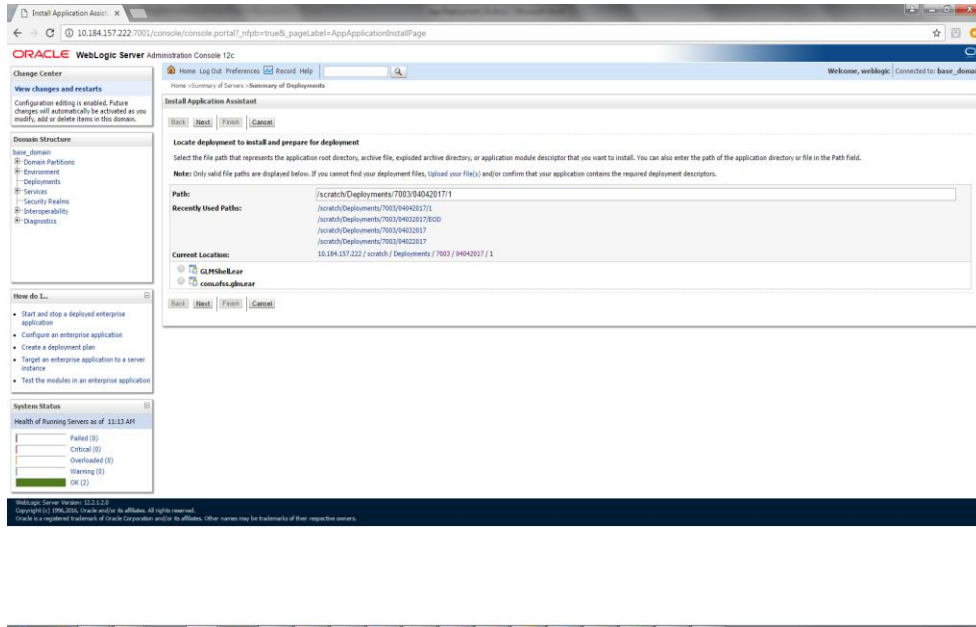
D:\Workspaces\ILM\Stagging\4th July\CO>ant -f DeployHostEar_Linux.xml
```

1.2.5.2 Manual Deployment:

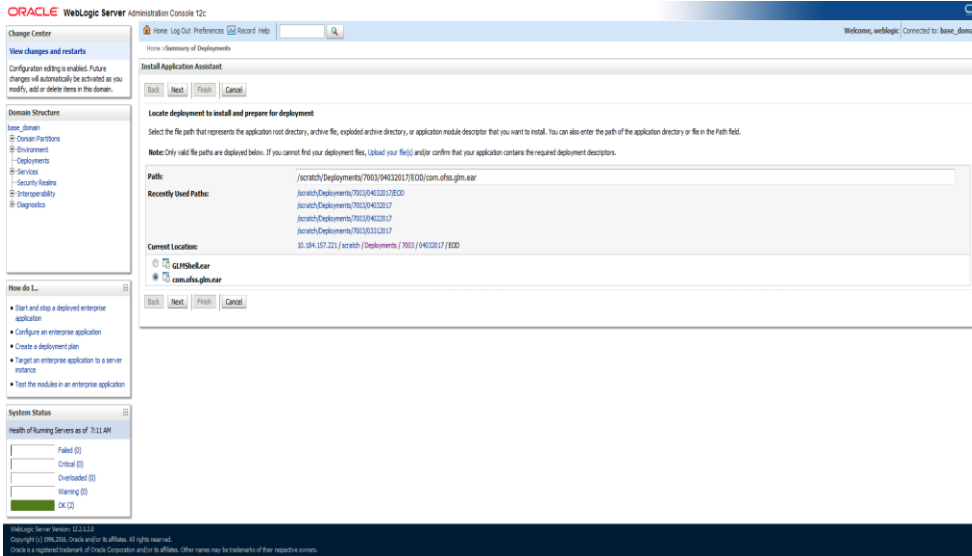
For Manual Deployment, Ear (Enterprise Application aRchive) file can be deployed either from Local Machine or from server where Weblogic Server is installed, In case if deployment needs to be done from server then use FTP/SFTP client for Windows in order to move the Ear file to the server and do the deployment as given below. Suggested Software for FTP/SFTP client for Windows: **Winscp**

1.2.5.2.1 CHANNEL EAR Deployment

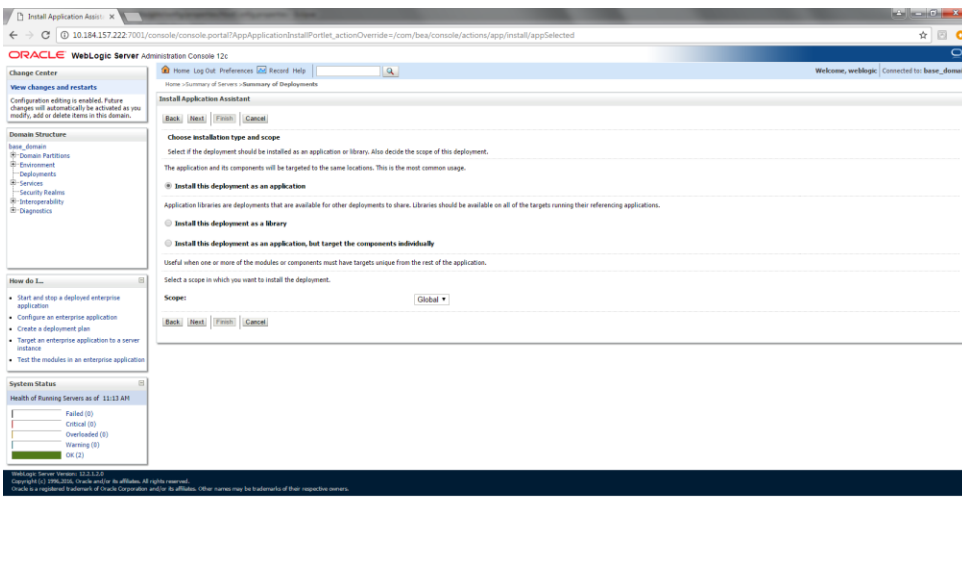
1. Click on **Install** and go to the Drive Location where the EAR files are kept.



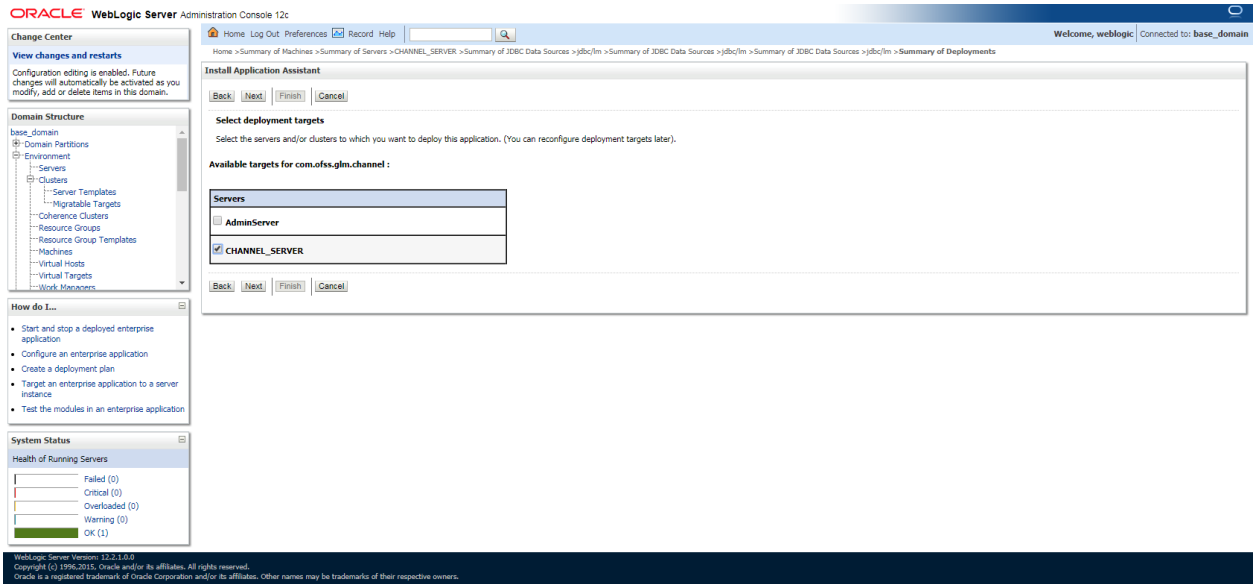
2. Select the Host EAR File **com.ofss.glm.channel.ear** and click on **Next**



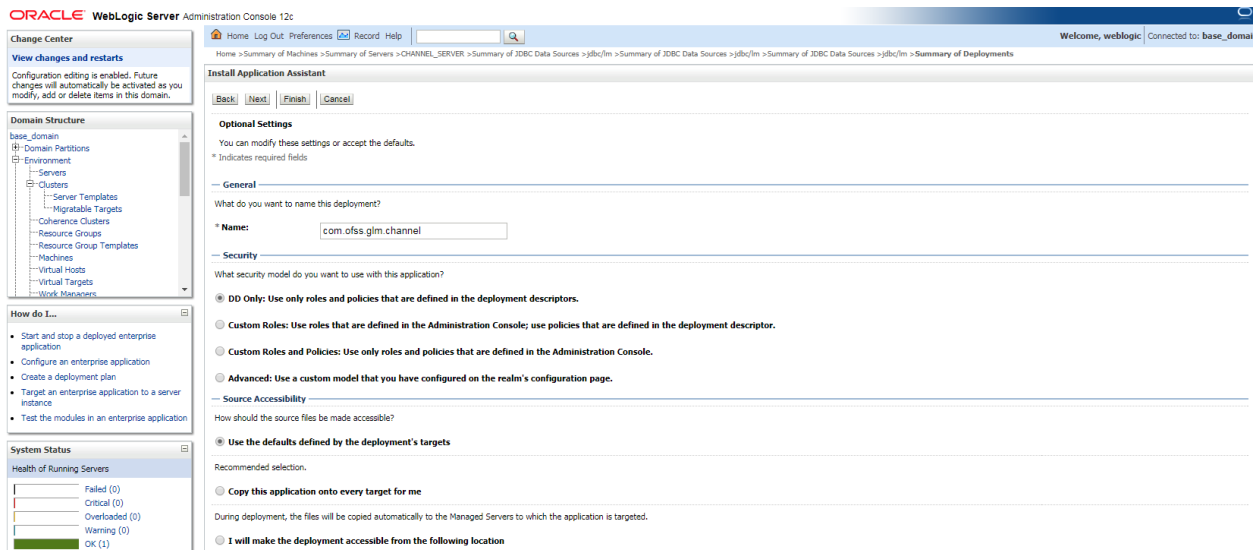
3. Click on **Next**



4. Select the target Server For example: **ITR2**



5. Select Name for the deployment file For Example: “com.ofss.glm.channel” and click on Next



6. Click on Finish.

ORACLE WebLogic Server Administration Console 12c

Home > Summary of Machines > Summary of Servers > CHANNEL_SERVER > Summary of J2EE Data Sources > j2bc/ln > Summary of J2EE Data Sources > j2bc/ln > Summary of J2EE Data Sources > j2bc/ln > Summary of Deployments

Welcome, weblogic | Connected to: base_domain

Change Center
View changes and restarts
Configuration editing is enabled. Future changes will automatically be activated as you modify, add or delete items in this domain.

Domain Structure
base_domain
- Environment
- Servers
- Clusters
- Server Templates
- Migratable Targets
- Coherence Clusters
- Resource Groups
- Resource Group Templates
- Machines
- Virtual Hosts
- Virtual Targets
- Work Managers

How do I...?

- Start and stop a deployed enterprise application
- Configure an enterprise application
- Create a deployment plan
- Target an enterprise application to a server instance
- Test the modules in an enterprise application

System Status
Health of Running Servers

- Failed (0)
- Critical (0)
- Overloaded (0)
- Warning (0)
- OK (1)

WebLogic Server Version: 12.2.1.0.0
Copyright (c) 1996, 2015, Oracle and/or its affiliates. All rights reserved.
Oracle is a registered trademark of Oracle Corporation and/or its affiliates. Other names may be trademarks of their respective owners.

Install Application Assistant
 [Back] [Next] [Finish] [Cancel]

Review your choices and click Finish
Click Finish to complete the deployment. This may take a few moments to complete.

Additional Configuration
In order to work successfully, this application may require additional configuration. Do you want to review this application's configuration after completing this assistant?

Yes, take me to the deployment's configuration screens.
 No, I will review the configuration later.

Summary

Deployment: D:\DOCS\New folder\com.ofss.glm.channel.ear
Name: com.ofss.glm.channel
Staging Mode: Use the defaults defined by the chosen targets
Plan Staging Mode: Use the same accessibility as the application
Security Model: DDOOnly: Use only roles and policies that are defined in the deployment descriptors.
Scope: Global

Target Summary

Components	Targets
com.ofss.glm.channel.ear	CHANNEL_SERVER

[Back] [Next] [Finish] [Cancel]

7. Click on Save

Settings for com.ofss.glm.1

ORACLE WebLogic Server Administration Console 12c

Home > Log Out > Preferences > Record Help

Welcome, weblogic | Connected to: base_domain

Settings for com.ofss.glm.1
 Overview | Deployment Plan | Configuration | Security | Targets | Control | Testing | Monitoring | Notes

[Save]

Use this page to view the general configuration of an enterprise application, such as its name, the physical path to the application files, the associated deployment plan, and so on. The table at the end of the page lists the modules (such as Web applications and EJBs) that are contained in the enterprise application. Click on the name of the module to view and update its configuration.

Name: com.ofss.glm.1
The name of this enterprise application. [Here Info...](#)

Scope: Global
Specifies if this enterprise application is accessible within the domain, a partition, or a resource group template. [Here Info...](#)

Path: /scratch/Deployments/7081/04942317/1/com.ofss.glm.ear
The path to the deployable unit on the Administration Server. [Here Info...](#)

Deployment Plan: (no plan specified)
The path to the deployment plan document on the Administration Server. [Here Info...](#)

Staging Mode: (not specified)
Specifies whether a deployment's files are copied from a source on the Administration Server to the Managed Server's staging area during application preparation. [Here Info...](#)

Plan Staging Mode: (not specified)
Specifies whether an application's deployment plan is copied from a source on the Administration Server to the Managed Server's staging area during application preparation. [Here Info...](#)

Security Model: DDOOnly
The security model that is used to secure a deployed module. [Here Info...](#)

Deployment Order: 100
An integer value that indicates when this unit is deployed, relative to other deployable units on a server, during startup. [Here Info...](#)

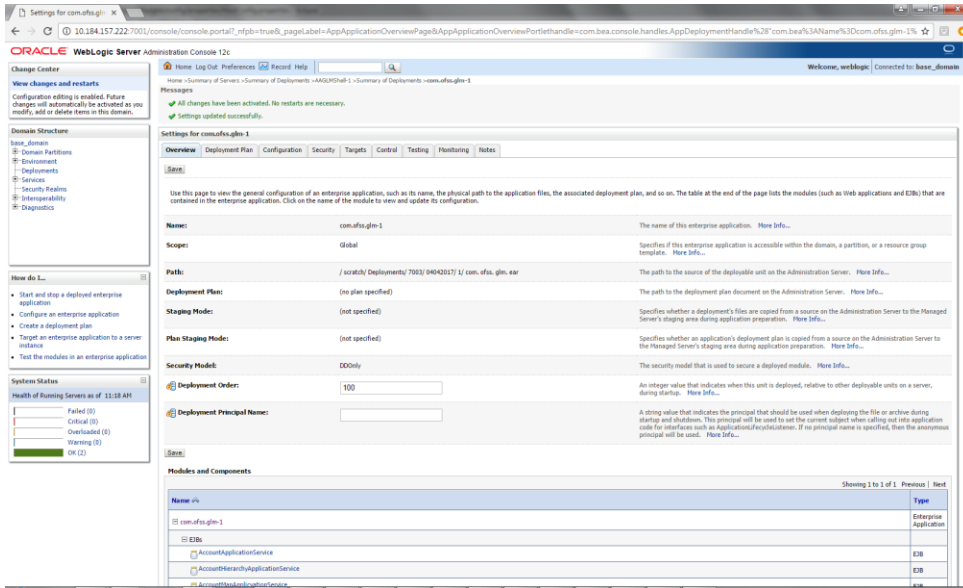
Deployment Principal Name:
A string value that indicates the principal that should be used when deploying the file or archive during startup and shutdown. This principal will be used to set the current subject when calling out into application code for interfaces such as ApplicationLifecycleListener. If no principal name is specified, then the anonymous principal will be used. [Here Info...](#)

[Save]

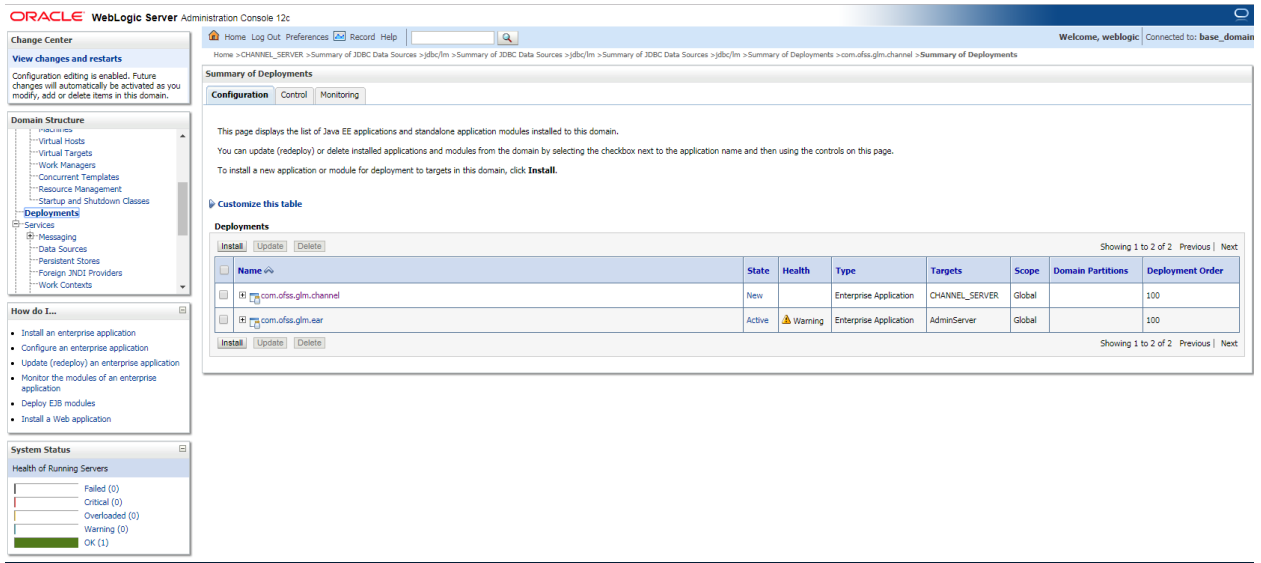
Modules and Components
Showing 1 to 1 of 1 | Previous | Next

Name	Type
com.ofss.glm.1	Enterprise Application
AccountApplicationService	EJB
AccountSearchApplicationService	EJB
AccountTagApplicationService	EJB
AccountSetupApplicationService	EJB
AlertApplicationService	EJB

8. After Clicking Save the Following Screen should appear.



9. Click on Deployment and check the two newly installed EAR's are available and Health column should have the OK status for the EAR's



10. Config.xml change: Need to add the `<enforce-valid-basic-auth-credentials>` in config.xml file. Go to domain home and open the config.xml file. Add the below tags,

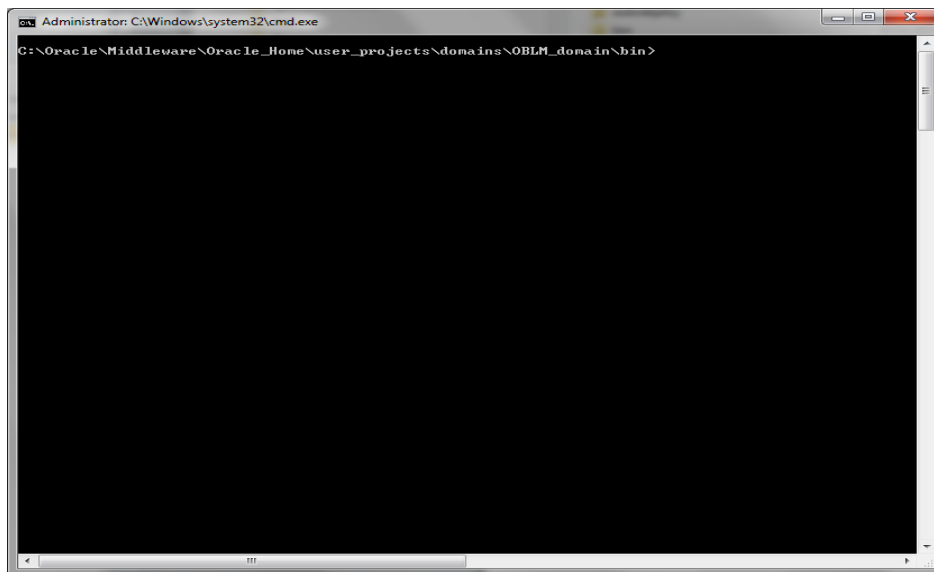
Weblogic domain config.xml file we have to create the below entry
(<WL_DOMAIN_HOME>/config/config.xml)

```
<security-configuration>
  <name>base_domain</name>
  <enforce-valid-basic-auth-credentials>false</enforce-valid-basic-auth-credentials>
</security-configuration>
```

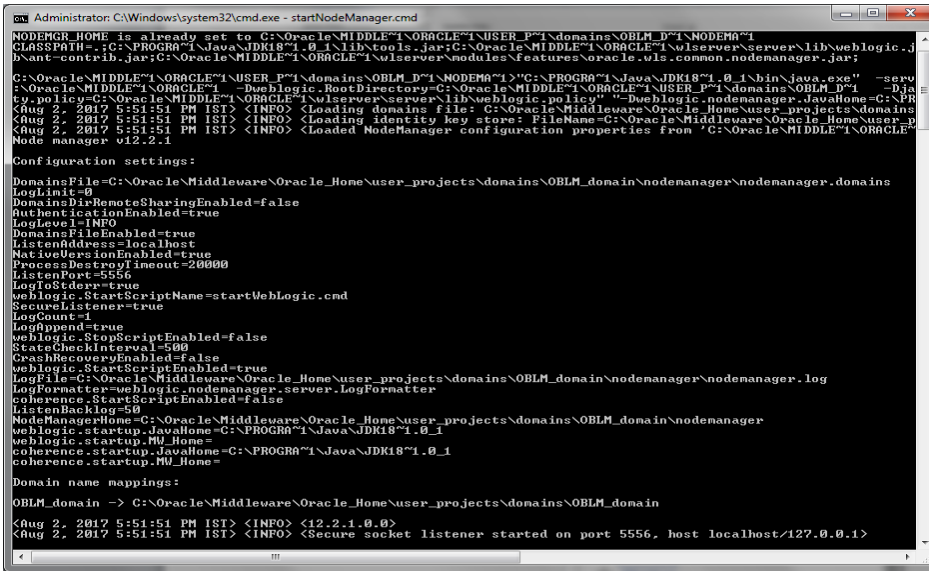
```
    <pas:min-numeric-or-special-characters>1</pas:min-numeric-or-special-characters>
  </sec:password-validator>
</realm>
<default-realm>myrealm</default-realm>
<credential-encrypted>{AES}GBU3TOH0RbLHfh0pnvUwvI395Ss3Z0KYojybruFpZiOS/I5oP6712hvhmbrKTV5St/n6b1oQOGUTcQZKmAJq7bbky/u50Zml
<node-manager-username>weblogic</node-manager-username>
<node-manager-password-encrypted>{AES}DQiNZXZ5AywWquUEu+OoZfQ72ANjOfq11BIwxiGpX7I=</node-manager-password-encrypted>
  <enforce-valid-basic-auth-credentials>false</enforce-valid-basic-auth-credentials>
  <use-kss-for-demo>true</use-kss-for-demo>
</security-configuration>
```

1.2.6 Start The Server

1. Go to the domain path of oblm_domain, (e.g. ...\\Middleware\\Oracle_Home\\user_projects\\domains\\OBLM_domain\\). Right click on **bin** folder and Select the “**CMD Prompt Here as Administrator**” to open the Command Prompt.



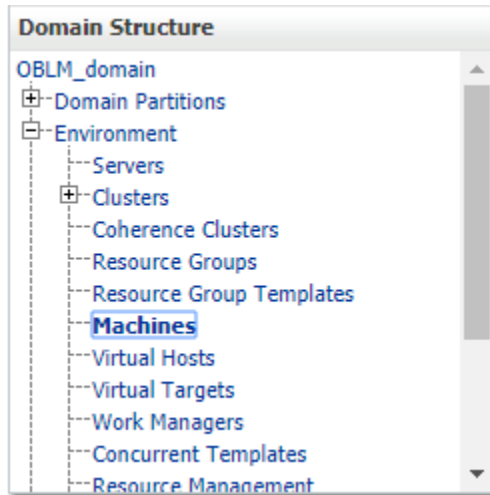
2. Run the `startNodeManager.cmd` file



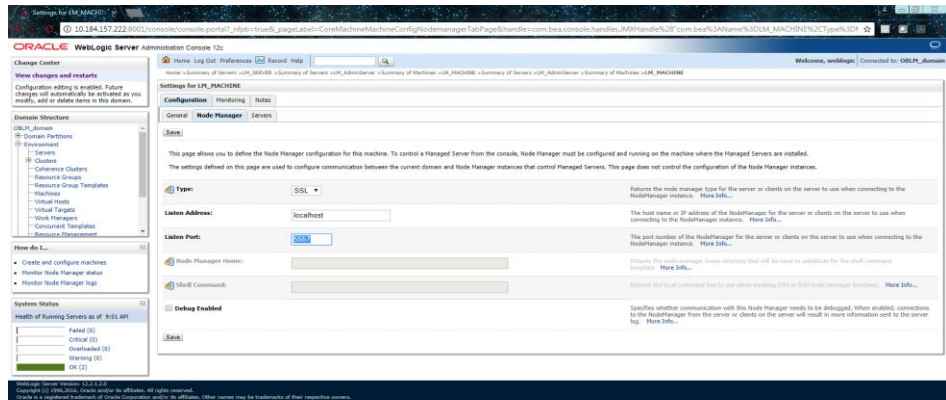
```
Administrator: C:\Windows\system32\cmd.exe - startNodeManager.cmd
NODEMGR_HOME is already set to C:\Oracle\MIDDLEWARE\ORACLE_1\USER_1\domains\OBLM_D\1\NODEMGR_1
CLASSPATH=.;C:\PROGRAM\Java\jdk18\1.0_1\bin\tools.jar;C:\Oracle\MIDDLEWARE\ORACLE_1\user\server\lib\weblogic.jar;C:\Oracle\MIDDLEWARE\ORACLE_1\user\server\modules\features\oracle.wls.common.nodemanager.jar;
C:\Oracle\MIDDLEWARE\ORACLE_1\USER_1\domains\OBLM_D\1\NODEMGR_1>"C:\PROGRAM\Java\jdk18\1.0_1\bin\java.exe" -serv
C:\Oracle\MIDDLEWARE\ORACLE_1\user\server\bin\webllogic -policy C:\Oracle\MIDDLEWARE\ORACLE_1\USER_1\domains\OBLM_D\1
ty.policy=C:\Oracle\MIDDLEWARE\ORACLE_1\user\server\lib\webllogic.policy" C:\Oracle\MIDDLEWARE\ORACLE_1\USER_1\domains\OBLM_D\1
Aug 2, 2017 5:51:51 PM IST <INFO> <Loading domains file: C:\Oracle\MiddleWare\Oracle_Home\user_projects\domains
Aug 2, 2017 5:51:51 PM IST <INFO> <Loading identity key store: FileName=C:\Oracle\MiddleWare\Oracle_Home\user_p
Aug 2, 2017 5:51:51 PM IST <INFO> <Loaded NodeManager configuration properties from 'C:\Oracle\MIDDLEWARE\ORACLE
Node manager v12.2.1
Configuration settings:
DomainFile=C:\Oracle\MiddleWare\Oracle_Home\user_projects\domains\OBLM_domain\nodemanager\nodemanager.domains
LogLimit=0
DomainsDirRemoteSharingEnabled=false
AuthenticationEnabled=true
LogLevel=INFO
DomainsFileEnabled=true
ListenAddress=localhost
NativeVersionEnabled=true
ProcessDestroyTimeout=20000
ListenPort=5556
LogStderr=true
webllogic.StartScriptName=startWebLogic.cmd
SecureListener=true
LogCount=1
LogAppend=true
webllogic.StopScriptEnabled=false
StateCheckInterval=500
OracleRecoveryEnabled=false
webllogic.StartScriptEnabled=true
LogFile=C:\Oracle\MiddleWare\Oracle_Home\user_projects\domains\OBLM_domain\nodemanager\nodemanager.log
LogFormatter=webllogic_nodemanager_server.LogFormatter
coherence.StartScriptEnabled=false
ListenBacklog=50
NodeManagerHome=C:\Oracle\MiddleWare\Oracle_Home\user_projects\domains\OBLM_domain\nodemanager
webllogic.startup.javahome=C:\PROGRAM\Java\jdk18\1.0_1
webllogic.startup.MW_Home
coherence.startup.javahome=C:\PROGRAM\Java\jdk18\1.0_1
coherence.startup.MW_Home=
Domain name mappings:
OBLM_domain -> C:\Oracle\MiddleWare\Oracle_Home\user_projects\domains\OBLM_domain
Aug 2, 2017 5:51:51 PM IST <INFO> <12.2.1.0.0>
Aug 2, 2017 5:51:51 PM IST <INFO> <Secure socket listener started on port 5556, host localhost/127.0.0.1>
```

Note: If you get an error stating “5556 port is already in use” then follow the below steps before starting the node manager.

- i. Go to Weblogic Console and click on **Machines** under the **Environment** tab in **Domain Structure** section



- ii. Click on **LM_MACHINE** and then go to **Node Manager** tab



- iii. Change the **Listen Port** to 5557 and click on **Save**
- iv. Go to .../
Oracle/Middleware/Oracle_Home/user_projects/domains/oblm_domain/nodemanager path and edit **nodemanager.properties** file as follows,

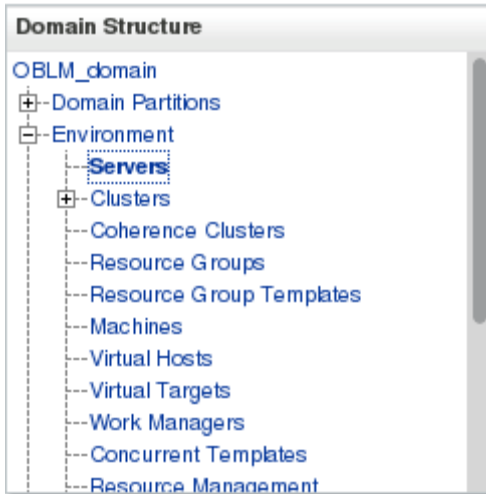
ListenPort=5557

Leave the rest of the properties as it was.

```
#Tue Jul 18 05:12:27 EDT 2017
#Node manager properties
#Tue Jul 18 04:13:25 EDT 2017
DomainsFile=/scratch/oraofss/Oracle/Middleware/Oracle_Home/user_projects/domains/oblm_domain/nodemanager/nodemanager.domains
LogLimit=0
PropertiesVersion=12.2.1.2.0
AuthenticationEnabled=true
NodeManagerHome=/scratch/oraofss/Oracle/Middleware/Oracle_Home/user_projects/domains/oblm_domain/nodemanager
JavaHome=/scratch/jdk/jdk1.8.0_112
LogLevel=INFO
DomainsFileEnabled=true
ListenAddress=localhost
NativeVersionEnabled=true
ListenPort=5556
LogToStderr=true
weblogic.StartScriptName=startweblogic.sh
SecureListener=true
LogCount=1
QuitEnabled=false
LogAppend=true
weblogic.StopScriptEnabled=false
StatecheckInterval=500
CrashRecoveryEnabled=false
weblogic.StartScriptEnabled=true
LogFile=/scratch/oraofss/Oracle/Middleware/Oracle_Home/user_projects/domains/oblm_domain/nodemanager/nodemanager.log
LogFormatter=weblogic.nodemanager.server.LogFormatter
ListenBacklog=50
```

- v. Save the file
- vi. Now, repeat the steps of Section 2.2.7

3. Go to Weblogic console and click on **Server** under the **Environment** tab in **Domain Structure** section



4. You should see the **Summary of Servers** page. Click on **Control** tab

The screenshot shows the Oracle WebLogic Server Administration Console. The 'Summary of Servers' page is active, with the 'Control' tab selected. The page contains a table of servers with the following data:

Server	Machine	State	Status of Last Action
AdminServer(admin)		RUNNING	None
<input checked="" type="checkbox"/> CHANNEL_SERVER	CHANNEL_MACHINE	SHUTDOWN	None
<input type="checkbox"/> LM_SERVER		SHUTDOWN	None

Below the table, there are buttons for 'Start', 'Resume', 'Suspend', 'Shutdown', and 'Restart SSL'. The 'Start' button is highlighted for the selected 'CHANNEL_SERVER'.

4. Select **CHANNEL_SERVER** and click **Start** button

5. Wait till the Server State change to **RUNNING**

1.2.7 Configure SSL

To Configure SSL, Please refer to the SSL Configuration Manual
([Oracle_Banking_Liquidity_Management_12_4_0_0_0_SSL_Configuration.pdf](#))

1.2.8 Test Channel Setup

Channel Support Service Details: Currently Channel have five services. Below have the steps for testing the services.

Service 1 : List of Structures

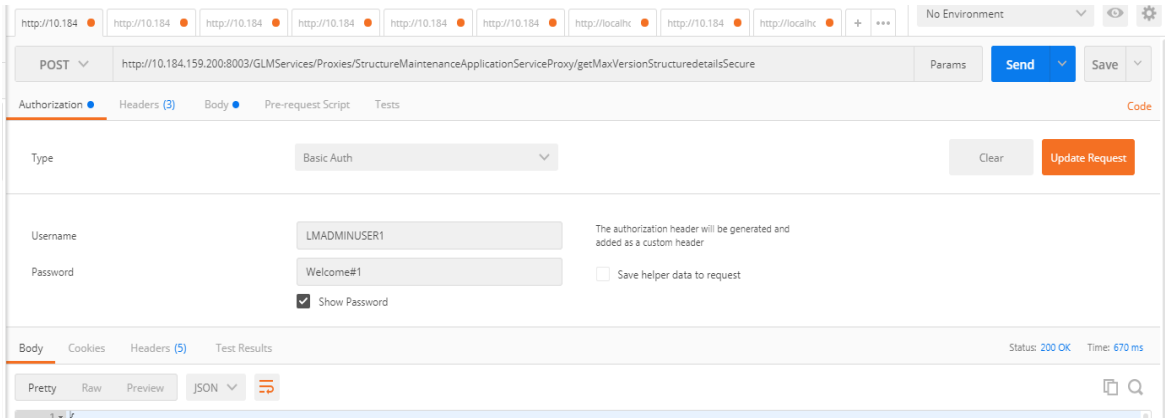
URL :

<http://10.184.159.200:8003/GLMServices/Proxies/StructureMaintenanceApplicationServiceProxy/getMaxVersionStructuredetails>

Request:

```
{ "structureKey":  
  
  {  
  
    "structureId":"ST3916"  
  
  },  
  
  "customerId":"Google",  
  
  "accountlst":[],  
  
  "eodexecution":false  
  
}
```

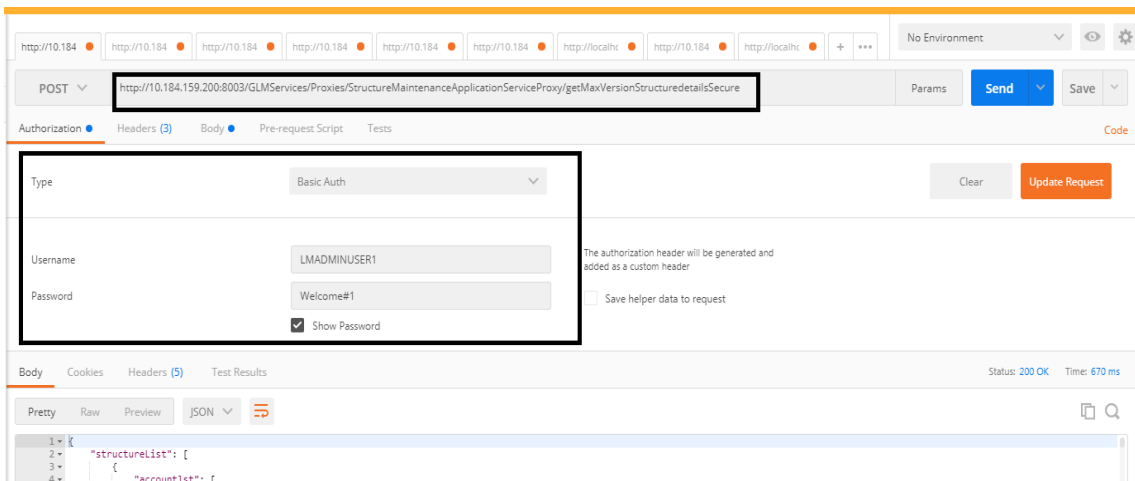
1, Open any Rest Client app EX: (POSTMAN) and select service whether GET or POST and provide the need request in body section.



2, Enter the URL and user credentials in Authorization section.

Username : LMADMINUSER1

Password : Welcome#1



3. Enter the userid in this section as shown below,

userid : LMADMINUSER1

Key	Value	Description
<input checked="" type="checkbox"/> userid	LMADMINUSER1	
<input checked="" type="checkbox"/> Content-Type	application/json	
<input checked="" type="checkbox"/> Authorization	Basic TE1BRE1JTIVTRVixOidibGNvbWUjMQ==	
<input type="text" value="new key"/>		

```

1 {
2   "structureList": [
3     {
4       "accountList": [
5         {
6           "accountDetails": {
7             "accountDesc": "Google ACC 1",
8             "accountKey": {

```

4. Pass below input in body section,

```

{"structureKey":
{
  "structureId":"ST3916"
},
"customerId":"Google",
"accountList":[],
"eodexecution":false
}

```

```

1
2 [{"structureKey":
3 {
4   "structureId":"ST3916"
5 },
6 "customerId":"Google",
7 "accountList":[],
8 "eodexecution":false
9 }
10 ]
11

```

4, The credentials are correct then Response will be 200 OK and result will be shown in body section.

```

1- {
2-   "structureList": [
3-     {
4-       "accountList": [
5-         {
6-           "accountDetails": {
7-             "accountDesc": "Google ACC 1",
8-             "accountKey": {
9-               "accountNo": "GoogleAFNIB",
10-              "branchCode": "Afghanistan Branch",
11-              "branchCodeId": "AFN",
12-              "ccy": "AFN",
13-              "ccyId": "AFN"
14-            },
15-             "bankId": "OCB",
16-             "bankName": "OCBC Bank",
17-             "bankType": "Internal",
18-             "casaBlockedAmount": 0,
19-             "country": "AFG",
20-             "currentBalance": 0,
21-             "isExtAccChk": false,
22-             "lastBalUpdateTime": "2018-04-13T00:00:00-04:00",
23-             "limitCcy": "AFN",
24-             "locationUTC": "Asia/Singapore",
25-             "notionalAccFlag": "N"
26-           },
27-           "allowRevSweep": false,
28-           "baseAmt": 0,
29-           "cashCCMethod": "Sweep",
30-           "eodexecution": false,
31-           "forceDebitBeyondLine": false,
32-           "hold": false,
33-           "instructionList": {
34-             "instructiondetailList": [
35-               {
36-                 "callFromSweep": false,
37-                 "frequencyList": {
38-                   "frequencyList": [
39-                     {
40-                       "cronExpression": "*0 45 23 1/1 * * *",

```

5, The credentials are wrong then Response will be 401 Unauthorized.

http://10.184 http://10.184 http://10.184 http://10.184 http://10.184 http://10.184 http://localhost http://10.184 http://localhost + ... No Environment

POST http://10.184.159.200:8003/GLMServices/Proxies/StructureMaintenanceApplicationServiceProxy/getMaxVersionStructuredetailsSecure Params Send Save

Authorization Headers Body Pre-request Script Tests Code

Type Basic Auth Clear Update Request

Username LMADMINUSER12 The authorization header will be generated and added as a custom header

Password Welcome#1 Save helper data to request

Show Password

Body Cookies Headers (4) Test Results Status: 401 USERID OR PASSWORD IS WRONG Time: 209 ms

Pretty Raw Preview Text

6. If we get the message like 'Unexpected 'g' '. Then postman have default settings as JSON. So We have to change the format to XML instead of JSON like below image.

POST http://10.184.159.210:7003/GLMServices/Proxies/StructureStatusServiceProxy/holdStructureSecure Params Send Save

Authorization Headers (3) Body Pre-request Script Tests Code

Type Basic Auth Clear Update Request

Username LMADMINUSER2 The authorization header will be generated and added as a custom header

Password Save helper data to request

Show Password

Body Cookies Headers (5) Test Results Status: 404 Not Found Time: 1370 ms

Pretty Raw Preview JSON

Unexpected 'g'

POST http://10.184.159.210:7003/GLMServices/Proxies/StructureStatusServiceProxy/holdStructureSecure Params Send Save

Authorization Headers (3) Body Pre-request Script Tests Code

Type Basic Auth Clear Update Request

Username LMADMINUSER2 The authorization header will be generated and added as a custom header

Password Save helper data to request

Show Password

Body Cookies Headers (5) Test Results Status: 404 Not Found Time: 1370 ms

Pretty Raw Preview XML

1 given Structure ID is not mapped with the login User

Service 2 : Initiate Manual Sweeps (Batch--->Sweep Batch)

URL :

<http://10.184.159.200:8003/GLMServices/Proxies/SweepApplicationServiceProxy/executeStructures>

Request:

```
{"strListKeyDTO":  
[  
  {"structureId":"EUSTR1938","versionNo":1}  
],  
"overridePending":false}
```

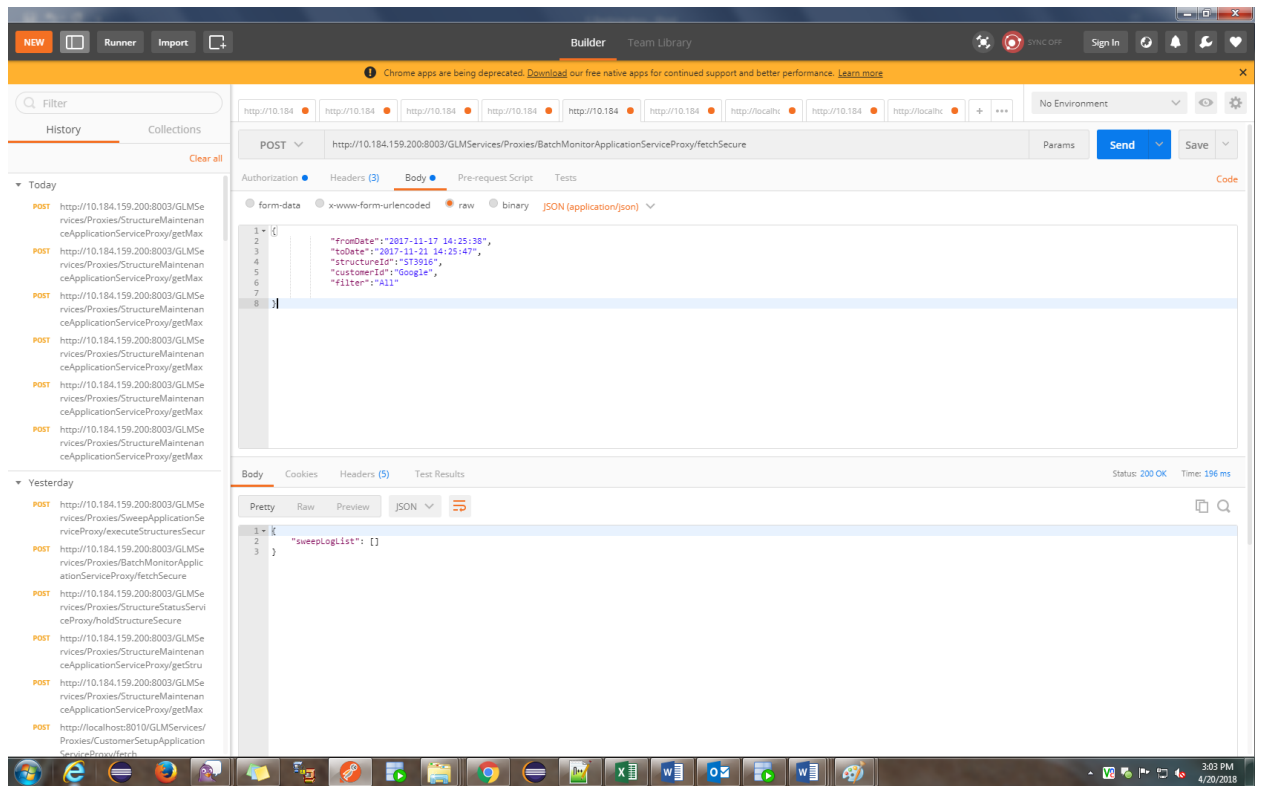
The screenshot shows a REST client interface with a list of requests on the left and a detailed view of a failed POST request on the right. The failed request is to the URL `http://10.184.159.200:8003/GLMServices/Proxies/SweepApplicationServiceProxy/executeStructures`. The request body is a JSON object: `{ "strListKeyDTO": [{ "structureId": "EUSTR1938", "versionNo": 1 }], "overridePending": false }`. The response status is 200 OK, but the response body contains an error: `{ "errorMsg": "Sweep Not allowed at the System level", "txStatus": false }`.

Service 3 : View Sweep Log from Sweep Monitor (Batch-->Sweep Monitor)

URL : <http://10.184.159.200:8003/GLMServices/Proxies/BatchMonitorApplicationServiceProxy/fetch>

Request:

```
{  
  
  "fromDate":"2017-11-17 14:25:38",  
  
  "toDate":"2017-11-21 14:25:47",  
  
  "structureId":"ST3916",  
  
  "customerId":"Google",  
  
  "filter":"All"  
}
```



Service 4 : View of Liquidity Structures Sweep,Pool,Hybrid, Enhancement

URL :

<http://10.184.159.200:8003/GLMServices/Proxies/StructureMaintenanceApplicationServiceProxy/getStructureDetailsOfLatestVersion>

Request:

```
{"structureId":"ST2222","versionNo":1}
```

The screenshot shows a REST client interface with the following details:

- Method:** POST
- URL:** http://10.184.159.200:8003/GLMServices/Proxies/StructureMaintenanceApplicationServiceProxy/getStructureDetailsOfLatestVersionSecure
- Body:** {"structureId":"ST2222","versionNo":1}
- Response:** A JSON object representing account details:

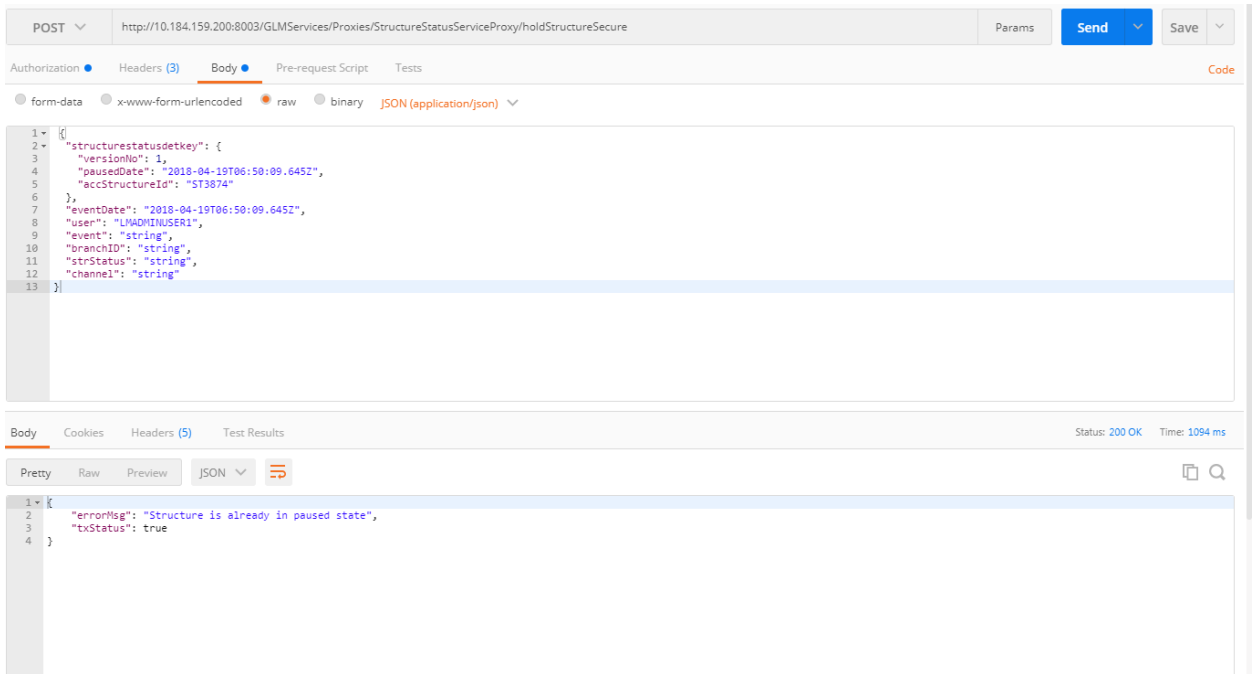
```
1 {
2   "accountlist": [
3     {
4       "accountDetails": {
5         "accountDesc": "C account test case 001",
6         "accountKey": {
7           "accountNo": "GoogleLONCA021",
8           "branchCode": "London Branch",
9           "branchCodeId": "LON",
10          "ccy": "London",
11          "ccyId": "EUR",
12        },
13        "availableBalance": 100000,
14        "bankId": "OCB",
15        "bankName": "OCBC Bank",
16        "bankType": "Internal",
17        "casaLockedAmount": 0,
18        "country": "GBR",
19        "currentBalance": 100000,
20        "isExtAccChk": false,
21        "lastBalUpdatedTime": "2018-04-18T08:56:57-04:00",
22        "timeZone": "UTC-04:00"
23      }
24    }
25  ]
26 }
```
- Status:** 200 OK, Time: 399 ms

Service 5 : Marking of a structure to Hold status

URL : <http://10.184.159.200:8003/GLMServices/Proxies/StructureStatusServiceProxy/holdStructure>

Request:

```
{
  "structurestatusdetkey": {
    "versionNo": 1,
    "pausedDate": "2018-04-19T06:50:09.645Z",
    "accStructureId": "ST3874"
  },
  "eventDate": "2018-04-19T06:50:09.645Z",
  "user": "LMADMINUSER1",
  "event": "string",
  "branchID": "string",
  "strStatus": "string",
  "channel": "string"
}
```



1.2.9 Billing services

The following services are used by the Billing engine for charge computations.

Service 1 : Structure Detail for charges

URL :

<http://10.184.159.210:7003/GLMServices/Proxies/ChargesReportsApplicationServiceProxy/getStructureDetails>

Description:

This service will give information to the user about all the structure created, modified along with the existing structure in a certain period of time specified by the user.

Request:

```

{

"customerid": "Google",

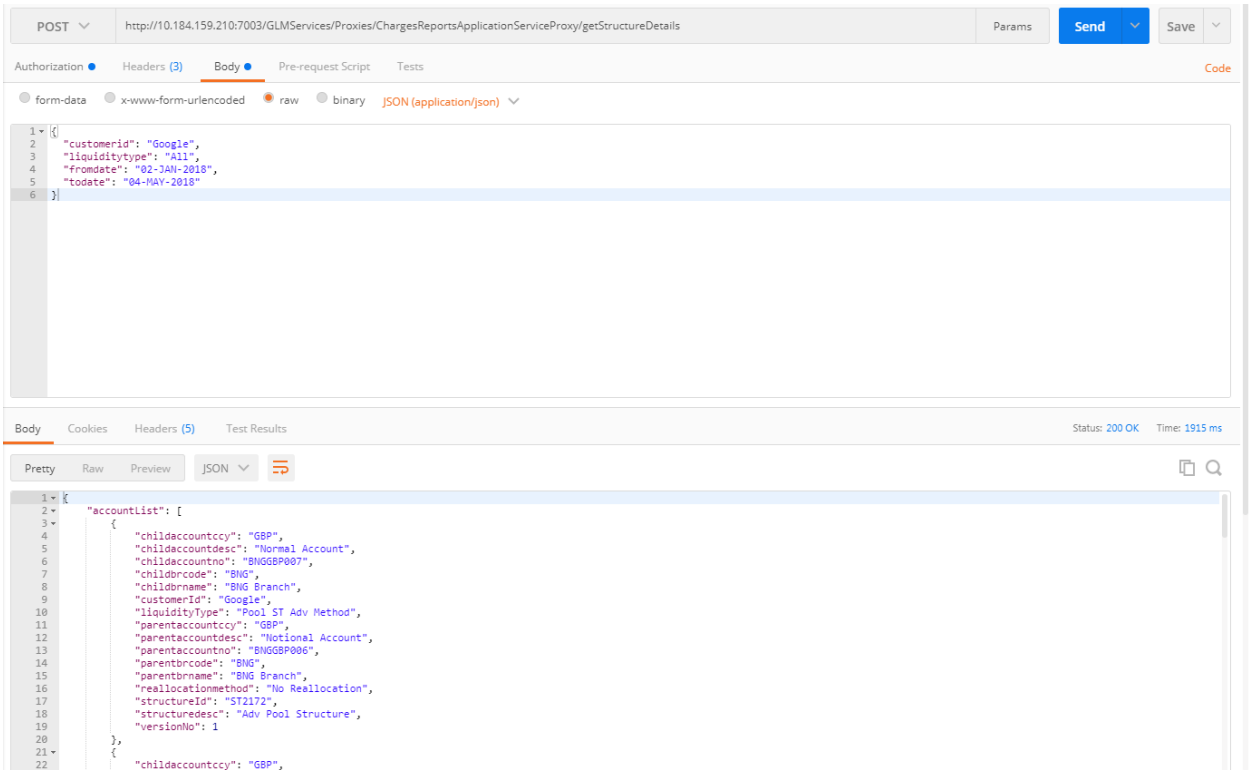
"liquiditytype": "All",

"fromdate": "02-JAN-2018",

"todate": "04-MAY-2018"

}

```



Service 2 : Structure Create Details for charges

URL :

<http://10.184.159.210:7003/GLMServices/Proxies/ChargesReportsApplicationServiceProxy/getStructureCreate>

Description :

This service will give information to the user about all the structure created along with the existing structure in a certain period of time specified by the user.

Request:

```
{
  "customerid": "Google",
  "liquiditytype": "All",
  "fromdate": "02-JAN-2018",
```

"todate": "04-MAY-2018"

}

The screenshot shows a REST client interface with a POST request to `http://10.184.159.210:7003/GLMServices/Proxies/ChargesReportsApplicationServiceProxy/getStructureCreate`. The request body is a JSON object with the following fields:

```
1 [{"customerid": "Google",
2   "liquiditytype": "All",
3   "fromdate": "02-JAN-2018",
4   "todate": "04-MAY-2018"}]
```

The response body is a JSON object with the following fields:

```
1 [{"accountList": [
2   {
3     "childaccountncy": "GBP",
4     "childaccountdesc": "Normal Account",
5     "childaccountno": "BNGGBP007",
6     "childrcode": "BNG",
7     "childbrname": "BNG Branch",
8     "customerid": "Google",
9     "liquiditytype": "Pool ST Adv Method",
10    "parentaccountncy": "GBP",
11    "parentaccountdesc": "Notional Account",
12    "parentaccountno": "BNGGBP006",
13    "parentrcode": "BNG",
14    "parentbrname": "BNG Branch",
15    "reallocationmethod": "No Reallocation",
16    "structureid": "ST2172",
17    "structuredesc": "Adv Pool Structure",
18    "versionno": 1
19  },
20  {
21    "childaccountncy": "GBP",
```

Service 3 : Structure Modify Details for charges

URL :

<http://10.184.159.210:7003/GLMServices/Proxies/ChargesReportsApplicationServiceProxy/getStructureModify>

Description :

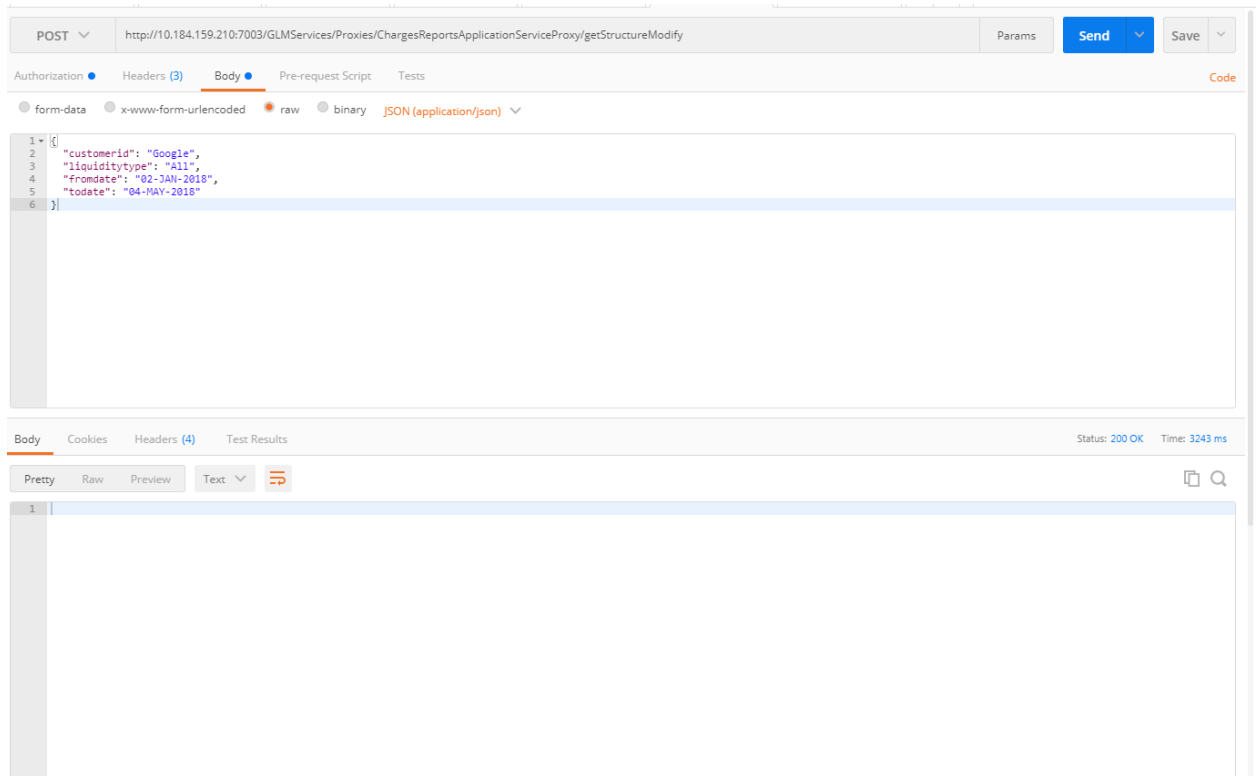
This service will give information to the user about all the structure modified in a certain period of time specified by the user.

Request:

{

"customerid": "Google",

```
"liquiditytype": "All",  
  
"fromdate": "02-JAN-2018",  
  
"todate": "04-MAY-2018"  
  
}
```



Service 4 : Structure Contribution Details for charges

URL :

<http://10.184.159.210:7003/GLMServices/Proxies/ChargesReportsApplicationServiceProxy/getSweepPoolLog>

Description:

This service will give all the information to the user about the sweep and pool executed successfully in the given period of time specified by the user.

Request:

```
{
```



```

"customerid": "Google",

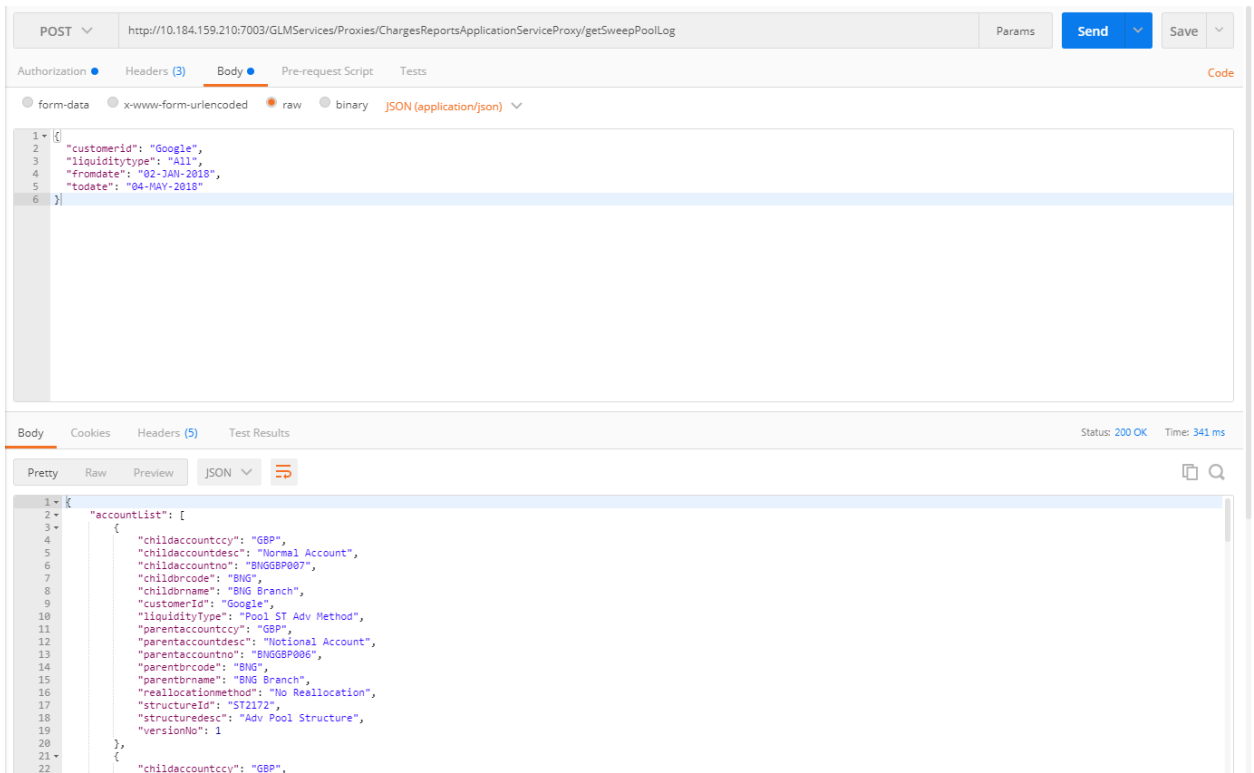
"liquiditytype": "All",

"fromdate": "02-JAN-2018",

"todate": "04-MAY-2018"

}

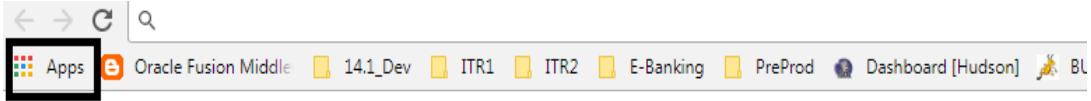
```



1.2.10 Swagger Setup

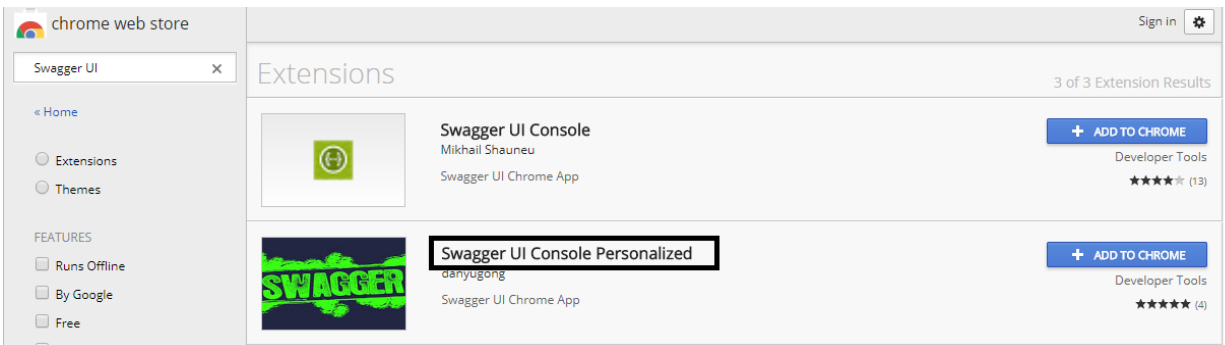
1.2.10.1 Steps to Install Swagger UI Console:

1. Open Chrome Browser
2. Click on apps icon as shown below screenshot

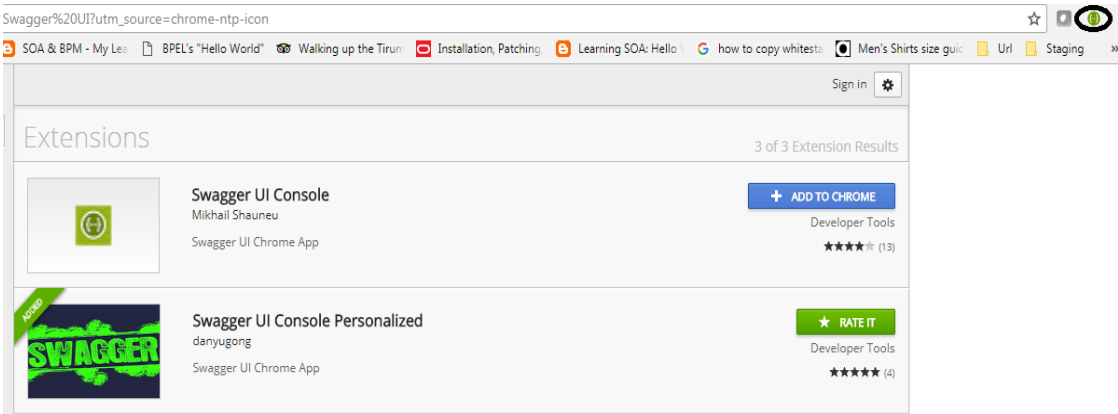


Search Google or type URL

3. Click on Web store
4. Search for Swagger UI



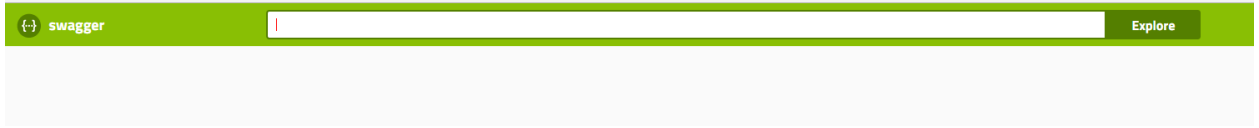
5. Click on ADD TO CHROME option from Highlighted Swagger UI Console Personalized.
6. After adding the swagger extension , click Swagger UI icon on right top end corner as shown below.



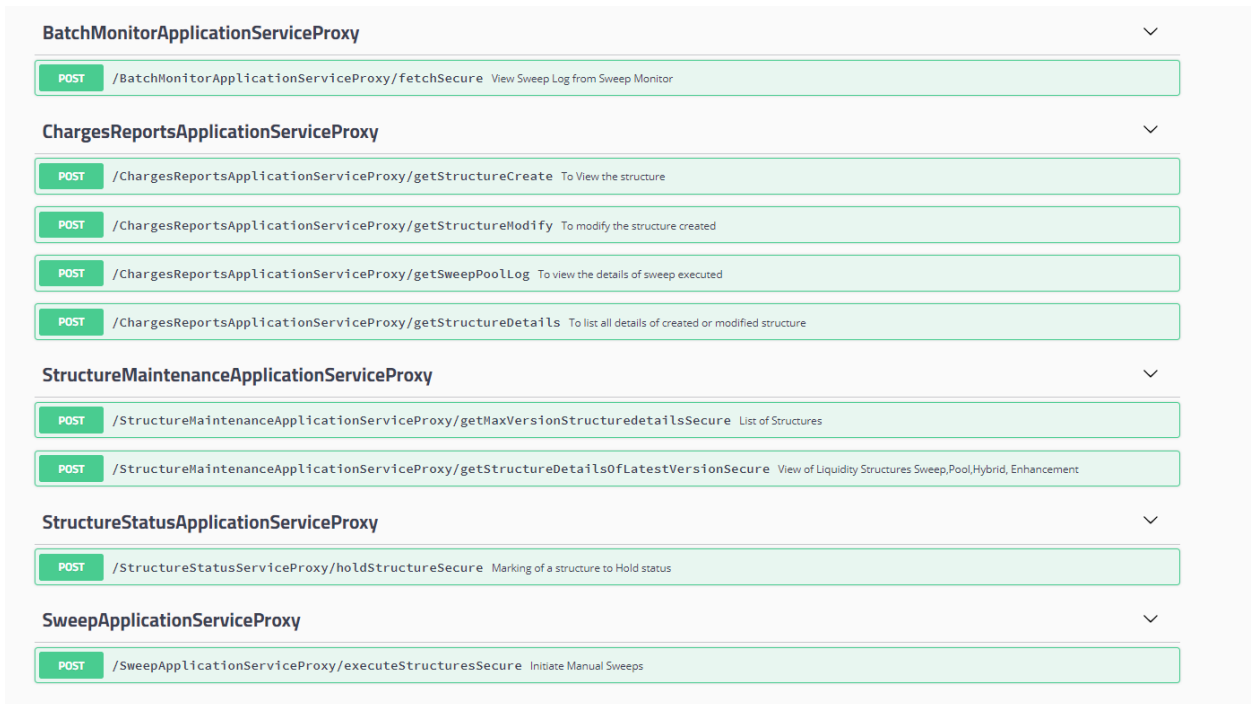
7. After clicking on swagger icon, Enter this url in below textbox and click on explore to launch the Swagger Implementation.

<http://HostName:Port/GLMServices/Proxies/swagger.json?userid=<userid>>

In above URL, Mention the “HostName”, ”Port” and “userid” values.



1.2.10.2 Swagger Implementation in OBLM:



1.2.10.3 **Swagger Setup for all services:**

Service 1 .List of Structures.

1. Click on List of Structures service which is highlighted below.

BatchMonitorApplicationServiceProxy ▼

POST /BatchMonitorApplicationServiceProxy/fetchSecure View Sweep Log from Sweep Monitor

ChargesReportsApplicationServiceProxy ▼

POST /ChargesReportsApplicationServiceProxy/getStructureCreate To View the structure

POST /ChargesReportsApplicationServiceProxy/getStructureModify To modify the structure created

POST /ChargesReportsApplicationServiceProxy/getSweepPoolLog To view the details of sweep executed

POST /ChargesReportsApplicationServiceProxy/getStructureDetails To list all details of created or modified structure

StructureMaintenanceApplicationServiceProxy ▼

POST /StructureMaintenanceApplicationServiceProxy/getMaxVersionStructuredetailsSecure List of Structures

POST /StructureMaintenanceApplicationServiceProxy/getStructureDetailsOfLatestVersionSecure View of Liquidity Structures Sweep,Pool,Hybrid, Enhancement

StructureStatusApplicationServiceProxy ▼

POST /StructureStatusServiceProxy/holdStructureSecure Marking of a structure to Hold status

SweepApplicationServiceProxy ▼

POST /SweepApplicationServiceProxy/executeStructuresSecure Initiate Manual Sweeps

2. Click on Try it out as shown below.

BatchMonitorApplicationServiceProxy ▼

POST /BatchMonitorApplicationServiceProxy/fetchSecure View Sweep Log from Sweep Monitor

StructureMaintenanceApplicationServiceProxy ▼

POST /StructureMaintenanceApplicationServiceProxy/getMaxVersionStructuredetailsSecure List of Structures

To get Maximum Version Structure Details

Parameters

Try it out

Name	Description
body (body)	<p>Example Value Model</p> <pre>{ "customerDesc": "string", "endDate": "2018-04-20T05:45:05.604Z", "structureKey": { "structureId": "string", "versionNo": 0 }, "customerId": "string", "deac": "string", "priority": 0, "effDate": "2018-04-20T05:45:05.604Z", "multibankChk": true, "ratePickUp": "string", "crossBorderChk": true, "crossCcyChk": true, "productType": "string", "productDesc": "string", "accountList": [{ "accountHierarchyKey": { "accountKey": {</pre>

3. Give the corresponding input in body section,

StructureMaintenanceApplicationServiceProxy

POST /StructureMaintenanceApplicationServiceProxy/getMaxVersionStructuredetailsSecure List of Structures

To get Maximum Version Structure Details

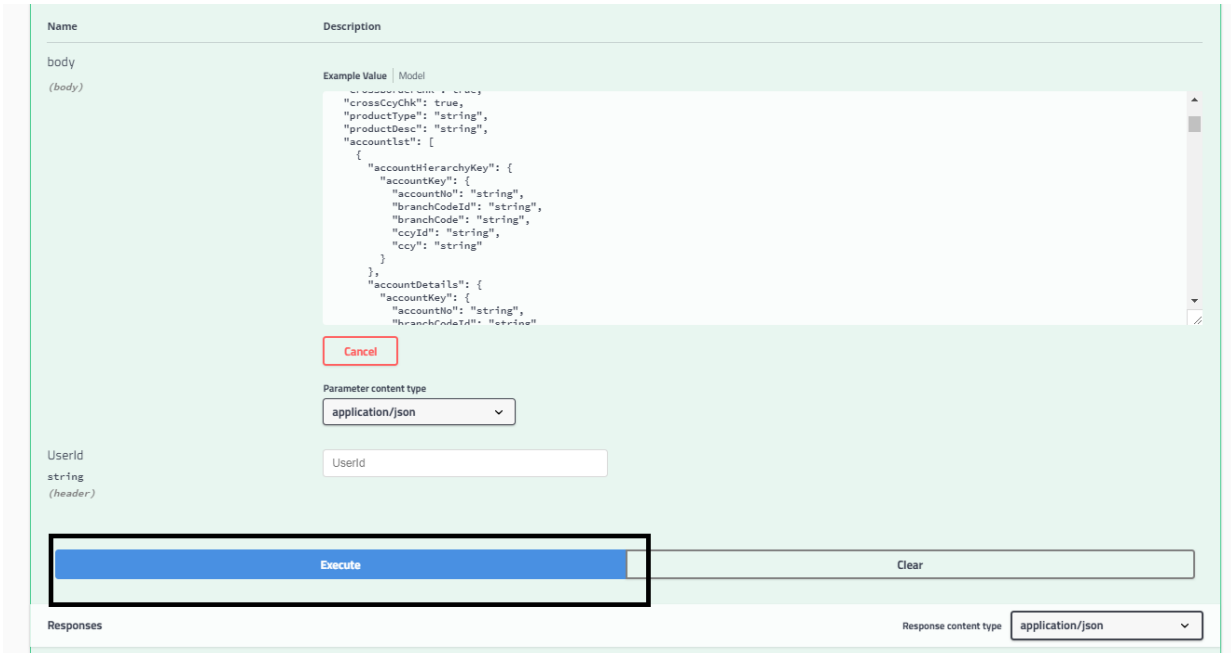
Parameters Cancel

Name	Description
body (body)	<p>Example Value Model</p> <pre> { "crossCcyChk": true, "productType": "string", "productDesc": "string", "accountList": [{ "accountHierarchyKey": { "accountKey": { "accountNo": "string", "branchCodeId": "string", "branchCode": "string", "ccyId": "string", "ccy": "string" } }, "accountDetails": { "accountKey": { "accountNo": "string", "branchCodeId": "string" } } }] } </pre> <p>Cancel</p> <p>Parameter content type application/json</p>
UserId string	<input type="text" value="UserId"/>

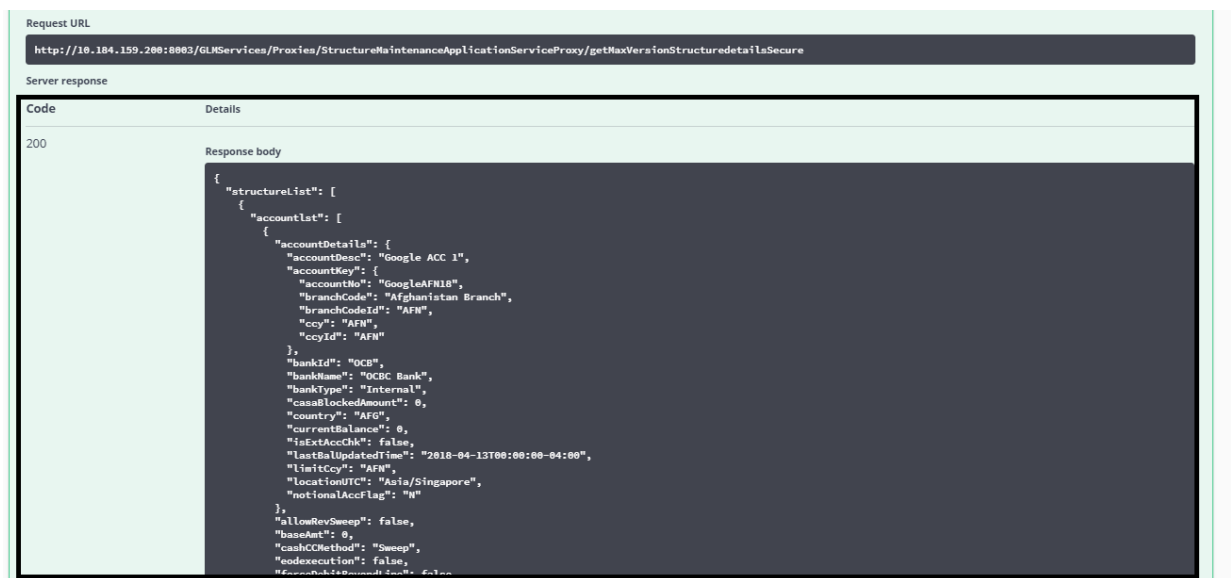
4. Give UserId for the service EX :(LMADMINUSER1).

Name	Description
body (body)	<p>Example Value Model</p> <pre> { "crossCcyChk": true, "productType": "string", "productDesc": "string", "accountList": [{ "accountHierarchyKey": { "accountKey": { "accountNo": "string", "branchCodeId": "string", "branchCode": "string", "ccyId": "string", "ccy": "string" } }, "accountDetails": { "accountKey": { "accountNo": "string", "branchCodeId": "string" } } }] } </pre> <p>Cancel</p> <p>Parameter content type application/json</p>
UserId string (header)	<input type="text" value="UserId"/>

5. Click on Execute.



6. Response is populated after executing the service,



Service 2 : Initiate Manual Sweeps (Batch-->Sweep Batch)

1. Click on Initiate Manual Sweeps service which is highlighted below.

BatchMonitorApplicationServiceProxy ▼

POST /BatchMonitorApplicationServiceProxy/fetchSecure View Sweep Log from Sweep Monitor

ChargesReportsApplicationServiceProxy ▼

POST /ChargesReportsApplicationServiceProxy/getStructureCreate To View the structure

POST /ChargesReportsApplicationServiceProxy/getStructureModify To modify the structure created

POST /ChargesReportsApplicationServiceProxy/getSweepPoolLog To view the details of sweep executed

POST /ChargesReportsApplicationServiceProxy/getStructureDetails To list all details of created or modified structure

StructureMaintenanceApplicationServiceProxy ▼

POST /StructureMaintenanceApplicationServiceProxy/getMaxVersionStructuredetailsSecure List of Structures

POST /StructureMaintenanceApplicationServiceProxy/getStructureDetailsOfLatestVersionSecure View of Liquidity Structures Sweep,Pool,Hybrid, Enhancement

StructureStatusApplicationServiceProxy ▼

POST /StructureStatusServiceProxy/holdStructureSecure Marking of a structure to Hold status

SweepApplicationServiceProxy ▼

POST /SweepApplicationServiceProxy/executeStructuresSecure Initiate Manual Sweeps

2. Click on Try it out as shown below.

SweepApplicationServiceProxy ▼

POST /SweepApplicationServiceProxy/executeStructuresSecure Initiate Manual Sweeps

Execute Sweep Operation for particular Structure

Parameters Try it out

Name	Description
body (body)	<p>Example Value Model</p> <pre>{ "strListKey010": [{ "structureId": "string", "versionNo": 0 }], "mode": "string", "overridePending": true }</pre> <p>Parameter content type application/json</p>
Userid string (header)	

3. Give the corresponding input in body section,



POST /SweepApplicationServiceProxy/executeStructuresSecure Initiate Manual Sweeps

Execute Sweep Operation for particular Structure

Parameters Cancel

Name	Description				
body <i>(body)</i>	<table border="1"><thead><tr><th>Example Value</th><th>Model</th></tr></thead><tbody><tr><td><pre>{ "strListKeyDTO": [{ "structureId": "string", "versionNo": 0 }], "mode": "string", "overridePending": true }</pre></td><td></td></tr></tbody></table>	Example Value	Model	<pre>{ "strListKeyDTO": [{ "structureId": "string", "versionNo": 0 }], "mode": "string", "overridePending": true }</pre>	
Example Value	Model				
<pre>{ "strListKeyDTO": [{ "structureId": "string", "versionNo": 0 }], "mode": "string", "overridePending": true }</pre>					

Cancel

Parameter content type
application/json

Userid
string
(header)

4. Give UserId for the service EX :(LMADMINUSER1).

Parameters Cancel

Name	Description				
body <i>(body)</i>	<table border="1"><thead><tr><th>Example Value</th><th>Model</th></tr></thead><tbody><tr><td><pre>{ "strListKeyDTO": [{ "structureId": "string", "versionNo": 0 }], "mode": "string", "overridePending": true }</pre></td><td></td></tr></tbody></table>	Example Value	Model	<pre>{ "strListKeyDTO": [{ "structureId": "string", "versionNo": 0 }], "mode": "string", "overridePending": true }</pre>	
Example Value	Model				
<pre>{ "strListKeyDTO": [{ "structureId": "string", "versionNo": 0 }], "mode": "string", "overridePending": true }</pre>					

Cancel

Parameter content type
application/json

Userid
string
(header)

Execute Clear

Responses Response content type application/json

5. Click on Execute.

Parameters Cancel

Name	Description
body <i>(body)</i>	<div style="display: flex; justify-content: space-between;"> Example Value Model </div> <pre> {"strListKeyDTO": [{ "structureId": "ST2222", "versionNo": 1 },] , "overridePending": false } </pre> <p style="text-align: center;">Cancel</p>
string <i>(header)</i>	Userid <input type="text" value="LMADMINUSER1"/>

Responses Response content type

6. Response is populated after executing the service,

Userid
string
(header)

Responses Response content type

Curl

```

curl -X POST "http://10.104.159.200:8003/GLMServices/Proxies/SweepApplicationServiceProxy/executeStructuresSecure" -H "accept: application/json" -H "UserId: LMADMINUSER1" -H "Content-Type: application/json" -d '{"strListKeyDTO":[{"structureId":"ST2222","versionNo":1}], "overridePending":false}'

```

Request URL

```

http://10.104.159.200:8003/GLMServices/Proxies/SweepApplicationServiceProxy/executeStructuresSecure

```

Server response

Code	Details
200	Response body <pre> { "errorMsg": "Valid Acc Pair does not exist for structure ST2222", "txStatus": false } </pre> Response headers <pre> content-type: application/json </pre>

Responses

Code	Description
------	-------------

Service 3 : View Sweep Log from Sweep Monitor (Batch-->Sweep Monitor)

1. Click on View Sweep Log from Sweep Monitor service which is highlighted below,

The screenshot displays a list of API services. The first service, **BatchMonitorApplicationServiceProxy**, is highlighted with a black border. It contains a single endpoint: **POST** `/BatchMonitorApplicationServiceProxy/fetchSecure` with the description "View Sweep Log from Sweep Monitor". Other services listed include **ChargesReportsApplicationServiceProxy** (with endpoints for structure creation, modification, sweep logs, and details), **StructureMaintenanceApplicationServiceProxy** (with endpoints for structure details and latest version details), **StructureStatusApplicationServiceProxy** (with an endpoint for marking structures as hold), and **SweepApplicationServiceProxy** (with an endpoint for manual sweeps).

2. Click on Try it out as shown below.

The screenshot shows the "Try it out" interface for the **BatchMonitorApplicationServiceProxy** service. The endpoint `/BatchMonitorApplicationServiceProxy/fetchSecure` is selected. A description states: "This operation is used to view complete sweeps details." A "Try it out" button is highlighted with a black box. Below this, the "Parameters" section is visible, showing a table with columns for "Name" and "Description".

Name	Description
body (body)	Example Value Model <pre>{ "structureId": "string", "fromvaluedate": "string", "tovaluedate": "string", "customerId": "string", "fromDate": "string", "toDate": "string", "filter": "string" }</pre> Parameter content type application/json
UserId string (header)	

3. Give the corresponding input in body section,

BatchMonitorApplicationServiceProxy ▼

POST /BatchMonitorApplicationServiceProxy/fetchSecure View Sweep Log from Sweep Monitor

This operation is used to view complete sweeps details.

Parameters Cancel

Name	Description				
body <i>(body)</i>	<table border="1"><thead><tr><th>Example Value</th><th>Model</th></tr></thead><tbody><tr><td><pre>{ "FromDate": "2017-11-17 14:25:38", "ToDate": "2017-11-21 14:25:47", "StructureId": "ST3916", "CustomerId": "Google", "Filter": "All" }</pre></td><td></td></tr></tbody></table>	Example Value	Model	<pre>{ "FromDate": "2017-11-17 14:25:38", "ToDate": "2017-11-21 14:25:47", "StructureId": "ST3916", "CustomerId": "Google", "Filter": "All" }</pre>	
Example Value	Model				
<pre>{ "FromDate": "2017-11-17 14:25:38", "ToDate": "2017-11-21 14:25:47", "StructureId": "ST3916", "CustomerId": "Google", "Filter": "All" }</pre>					

Cancel

Parameter content type
application/json ▼

UserId
string
(header)

4. Give UserId for the service EX(LMADMINUSER1).

Name	Description				
body <i>(body)</i>	<table border="1"><thead><tr><th>Example Value</th><th>Model</th></tr></thead><tbody><tr><td><pre>{ "FromDate": "2017-11-17 14:25:38", "ToDate": "2017-11-21 14:25:47", "StructureId": "ST3916", "CustomerId": "Google", "Filter": "All" }</pre></td><td></td></tr></tbody></table>	Example Value	Model	<pre>{ "FromDate": "2017-11-17 14:25:38", "ToDate": "2017-11-21 14:25:47", "StructureId": "ST3916", "CustomerId": "Google", "Filter": "All" }</pre>	
Example Value	Model				
<pre>{ "FromDate": "2017-11-17 14:25:38", "ToDate": "2017-11-21 14:25:47", "StructureId": "ST3916", "CustomerId": "Google", "Filter": "All" }</pre>					

Cancel

Parameter content type
application/json ▼

UserId
string
(header)

Execute Clear

5. Click on Execute.

Name	Description
body <i>(body)</i>	<div style="border: 1px solid #ccc; padding: 5px;"> <div style="display: flex; justify-content: space-between; border-bottom: 1px solid #ccc;"> Example Value Model </div> <pre style="margin: 5px 0;">{ "fromDate": "2017-11-17 14:25:38", "toDate": "2017-11-21 14:25:47", "structureId": "ST3916", "customerId": "Google", "filter": "All" }</pre> </div>
<div style="border: 1px solid #ccc; padding: 5px; margin-top: 10px;"> Cancel </div>	
Parameter content type <input type="text" value="application/json"/>	
UserId string <i>(header)</i>	<input type="text" value="LMADMINUSER1"/>
<div style="display: flex; justify-content: space-around; margin-top: 10px;"> Execute Clear </div>	

6. Response is populated after executing the service,

UserId string <i>(header)</i>	<input type="text" value="LMADMINUSER1"/>
<div style="display: flex; justify-content: space-around; margin-top: 10px;"> Execute Clear </div>	
Responses Response content type <input type="text" value="application/json"/>	
Curl	
<pre>curl -X POST "http://10.184.159.200:8083/GLMServices/Proxies/BatchMonitorApplicationServiceProxy/fetchSecure" -H "accept: application/json" -H "UserId: LMADMINUSER1" -H "Content-Type: application/json" -d "{ \"fromDate\": \"2017-11-17 14:25:38\", \"toDate\": \"2017-11-21 14:25:47\", \"structureId\": \"ST3916\", \"customerId\": \"Google\", \"filter\": \"All\" }"</pre>	
Request URL	
<pre>http://10.184.159.200:8083/GLMServices/Proxies/BatchMonitorApplicationServiceProxy/fetchSecure</pre>	
Server response	
Code 200	Details Response body <pre style="background-color: #333; color: #eee; padding: 5px;">{ "sweepLogList": [] }</pre>

Service 4 : View of Liquidity Structures Sweep, Pool, Hybrid, Enhancement

1. Click on View of Liquidity Structures Sweep, Pool, Hybrid, Enhancement service which is highlighted below.

BatchMonitorApplicationServiceProxy ▼

POST /BatchMonitorApplicationServiceProxy/fetchSecure View Sweep Log from Sweep Monitor

ChargesReportsApplicationServiceProxy ▼

POST /ChargesReportsApplicationServiceProxy/getStructureCreate To View the structure

POST /ChargesReportsApplicationServiceProxy/getStructureModify To modify the structure created

POST /ChargesReportsApplicationServiceProxy/getSweepPoolLog To view the details of sweep executed

POST /ChargesReportsApplicationServiceProxy/getStructureDetails To list all details of created or modified structure

StructureMaintenanceApplicationServiceProxy ▼

POST /StructureMaintenanceApplicationServiceProxy/getMaxVersionStructuredetailsSecure List of Structures

POST /StructureMaintenanceApplicationServiceProxy/getStructureDetailsOfLatestVersionSecure View of Liquidity Structures Sweep,Pool,Hybrid, Enhancement

StructureStatusApplicationServiceProxy ▼

POST /StructureStatusServiceProxy/holdStructureSecure Marking of a structure to Hold status

SweepApplicationServiceProxy ▼

POST /SweepApplicationServiceProxy/executeStructuresSecure Initiate Manual Sweeps

2. Click on Try it out as shown below.

POST /StructureMaintenanceApplicationServiceProxy/getStructureDetailsOfLatestVersionSecure View of Liquidity Structures Sweep,Pool,Hybrid, Enhancement

To get structure details of latest version

Parameters Try it out

Name	Description
body (body)	<p>Example Value Model</p> <pre>{ "structureId": "string", "versionNo": 0 }</pre> <p>Parameter content type application/json</p>
UserId string (header)	

Responses Response content type application/json

3. Give the corresponding input in body section,

POST /StructureMaintenanceApplicationServiceProxy/getStructureDetailsOfLatestVersionSecure View of Liquidity Structures Sweep,Pool,Hybrid, Enhancement

To get structure details of latest version

Parameters Cancel

Name	Description
body <i>(body)</i>	<div style="display: flex; justify-content: space-between;"> Example Value Model </div> <pre>{ "structureId": "ST2222", "versionNo": 1 }</pre>
UserId string <i>(header)</i>	<div style="display: flex; justify-content: space-between;"> Cancel Parameter content type application/json </div> <input type="text" value="UserId"/>

4. Give UserId for the service EX :(LMADMINUSER1).

Name	Description
body <i>(body)</i>	<div style="display: flex; justify-content: space-between;"> Example Value Model </div> <pre>{ "structureId": "ST2222", "versionNo": 1 }</pre>
UserId string <i>(header)</i>	<div style="display: flex; justify-content: space-between;"> Cancel Parameter content type application/json </div> <input style="border: 2px solid black;" type="text" value="LMADMINUSER1"/>

5. Click on Execute.

Name	Description
body (body)	<div style="border: 1px solid #ccc; padding: 5px;"> <p>Example Value Model</p> <pre>{ "structureId": "ST2222", "versionNo": 1 }</pre> </div> <div style="margin-top: 5px;"> <input type="button" value="Cancel"/> </div> <p>Parameter content type</p> <div style="border: 1px solid #ccc; padding: 2px;">application/json</div>
Userid string (header)	<div style="border: 1px solid #ccc; padding: 2px;">LMADMINUSER1</div>
<div style="display: flex; justify-content: space-between; margin-top: 10px;"> <div style="border: 2px solid black; padding: 5px; background-color: #007bff; color: white; text-decoration: none;">Execute</div> <div style="border: 1px solid #ccc; padding: 2px 10px;">Clear</div> </div>	

6. Response is populated after executing the service as shown below,

Request URL

<http://10.184.159.208:8083/GUIServices/Proxies/StructureMaintenanceApplicationServiceProxy/getStructureDetailsOfLatestVersionSecure>

Server response

Code	Details
200	<p>Response body</p> <pre>{ "accountList": [{ "accountDetails": { "accountDesc": "C account test case 001", "accountKey": { "accountNo": "GoogleLONCA021", "branchCode": "London Branch", "branchCodeId": "LON", "ccy": "London", "ccyId": "EUR" }, "availableBalance": 100000, "bankId": "OCS", "bankName": "OCS Bank", "bankType": "Internal", "casaBlockedAmount": 0, "country": "GBR", "currentBalance": 100000, "isExtAccChk": false, "lastBalUpdatedTime": "2018-04-18T08:56:57-04:00", "limitCcy": "London", "locationUTC": "Europe/London", "notionalAccFlag": "W" }, "allowRevSweep": false, "baseAmt": 0, "cashCCMethod": "Pool", "csoExecution": false, "forceDebitBeyondLine": false, "hold": false, "instructionList": { "instructionDetailList": [] }, "instructionPriority": 1, "isNominatedAcc": false, "onlineBalFetch": false, "parentCountry": "GBR" }] }</pre>

Service 5 : Marking of a structure to Hold status

1. Click on Marking of a structure to Hold status service which is highlighted below,

BatchMonitorApplicationServiceProxy ▼

POST /BatchMonitorApplicationServiceProxy/fetchSecure View Sweep Log from Sweep Monitor

ChargesReportsApplicationServiceProxy ▼

POST /ChargesReportsApplicationServiceProxy/getStructureCreate To View the structure

POST /ChargesReportsApplicationServiceProxy/getStructureModify To modify the structure created

POST /ChargesReportsApplicationServiceProxy/getSweepPoolLog To view the details of sweep executed

POST /ChargesReportsApplicationServiceProxy/getStructureDetails To list all details of created or modified structure

StructureMaintenanceApplicationServiceProxy ▼

POST /StructureMaintenanceApplicationServiceProxy/getMaxVersionStructuredetailsSecure List of Structures

POST /StructureMaintenanceApplicationServiceProxy/getStructureDetailsOfLatestVersionSecure View of Liquidity Structures Sweep,Pool,Hybrid, Enhancement

StructureStatusApplicationServiceProxy ▼

POST /StructureStatusServiceProxy/holdStructureSecure Marking of a structure to Hold status

SweepApplicationServiceProxy ▼

POST /SweepApplicationServiceProxy/executeStructuresSecure Initiate Manual Sweeps

2. Click on Try it out as shown below.

StructureStatusApplicationServiceProxy ▼

POST /StructureStatusServiceProxy/holdStructureSecure Marking of a structure to Hold status

Holding Sweep In or Sweep Out for a particular Structure

Parameters Try it out

Name	Description
body (body)	<p>Example Value Model</p> <pre>{ "structurestatusdetkey": { "versionNo": 0, "pausedDate": "2018-04-20T07:30:16.185Z", "accStructureId": "string" }, "eventDate": "2018-04-20T07:30:16.185Z", "base": "string", "event": "string", "branchID": "string", "strStatus": "string", "channel": "string" }</pre> <p>Parameter content type application/json</p>
UserId string (header)	

3. Give the corresponding input in body section,

POST /StructureStatusServiceProxy/holdStructureSecure Marking of a structure to Hold status

Holding Sweep In or Sweep Out for a particular Structure

Parameters Cancel

Name	Description
body (body)	<div style="border: 1px solid #ccc; padding: 5px;"> <pre> { "structurestatusdetkey": { "versionNo": 1, "pausedDate": "2018-04-19T06:50:09.645Z", "accStructureId": "ST3874" }, "eventDate": "2018-04-19T06:50:09.645Z", "user": "LMADMINUSER1", "event": "string", "branchID": "string", "strStatus": "string", "channel": "string" } </pre> </div>
UserId string (header)	<div style="border: 1px solid #ccc; padding: 5px;"> <input type="text" value="UserId"/> </div>

Cancel

Parameter content type
application/json

4. Give UserId for the service EX :(LMADMINUSER1).

Name	Description
body (body)	<div style="border: 1px solid #ccc; padding: 5px;"> <pre> { "structurestatusdetkey": { "versionNo": 1, "pausedDate": "2018-04-19T06:50:09.645Z", "accStructureId": "ST3874" }, "eventDate": "2018-04-19T06:50:09.645Z", "user": "LMADMINUSER1", "event": "string", "branchID": "string", "strStatus": "string", "channel": "string" } </pre> </div>
UserId string (header)	<div style="border: 1px solid #ccc; padding: 5px;"> <input type="text" value="LMADMINUSER1"/> </div>

Cancel

Parameter content type
application/json

Execute Clear

Responses Response content type application/json

5. Click on Execute.

Name	Description
body (body)	<div style="border: 1px solid #ccc; padding: 5px;"> <p>Example Value Model</p> <pre>{ "structurestatusdetkey": { "versionNo": 1, "pausedDate": "2018-04-19T06:50:09.645Z", "accStructureId": "ST3874" }; "eventDate": "2018-04-19T06:50:09.645Z", "user": "LMADMINUSER1", "event": "string", "branchID": "string", "strStatus": "string", "channel": "string" }</pre> </div> <div style="margin-top: 10px;"> <input type="button" value="Cancel"/> </div> <div style="margin-top: 10px;"> <p>Parameter content type</p> <input type="text" value="application/json"/> </div> <div style="margin-top: 10px;"> <p>UserId string (header)</p> <input type="text" value="LMADMINUSER1"/> </div> <div style="margin-top: 10px; display: flex; justify-content: space-between;"> <input style="width: 60%; border: 2px solid black;" type="button" value="Execute"/> <input type="button" value="Clear"/> </div>
Responses	<p>Response content type <input type="text" value="application/json"/></p>

6. Response is populated after executing the service as shown below,

UserId string (header)	<input type="text" value="LMADMINUSER1"/>
<input style="width: 60%; border: 2px solid black;" type="button" value="Execute"/> <input type="button" value="Clear"/>	
Responses	Response content type <input type="text" value="application/json"/>
Curl	<pre>curl -X POST "http://10.184.159.200:8003/GLMServices/Proxies/StructureStatusServiceProxy/holdStructureSecure" -H "accept: application/json" -H "UserId: LMADMINUSER1" -H "Content-Type: application/json" -d "{ \"structurestatusdetkey\": { \"versionNo\": 1, \"pausedDate\": \"2018-04-19T06:50:09.645Z\", \"accStructureId\": \"ST3874\" }, \"eventDate\": \"2018-04-19T06:50:09.645Z\", \"user\": \"LMADMINUSER1\", \"event\": \"string\", \"branchID\": \"string\", \"strStatus\": \"string\", \"channel\": \"string\"}"</pre>
Request URL	<pre>http://10.184.159.200:8003/GLMServices/Proxies/StructureStatusServiceProxy/holdStructureSecure</pre>
Server response	
Code	Details
200	<div style="border: 2px solid black; padding: 5px;"> <p>Response body</p> <pre>{ "errorMsg": "Structure is already in paused state", "exStatus": true }</pre> </div> <p>Response headers</p> <pre>content-type: application/json</pre>
Responses	

Service 6 : Structure Create Details for charges

Description:

This service will give information to the user about all the structure created along with the existing structure in a certain period of time specified by the user.

1. Click on to create the structure service which is highlighted below,

The screenshot displays a list of application service proxies, each with a dropdown arrow on the right. The 'ChargesReportsApplicationServiceProxy' section is highlighted with a black border. Within this section, the endpoint `POST /ChargesReportsApplicationServiceProxy/getStructureCreate` is highlighted with a red border. The description for this endpoint is 'To View the structure'. Other endpoints in the same section include `POST /ChargesReportsApplicationServiceProxy/getStructureModify` (To modify the structure created), `POST /ChargesReportsApplicationServiceProxy/getSweepPoolLog` (To view the details of sweep executed), and `POST /ChargesReportsApplicationServiceProxy/getStructureDetails` (To list all details of created or modified structure). Other service proxies listed include `BatchMonitorApplicationServiceProxy` (with endpoint `POST /BatchMonitorApplicationServiceProxy/fetchSecure`), `StructureMaintenanceApplicationServiceProxy` (with endpoints `POST /StructureMaintenanceApplicationServiceProxy/getMaxVersionStructuredetailsSecure` and `POST /StructureMaintenanceApplicationServiceProxy/getStructureDetailsOfLatestVersionSecure`), `StructureStatusApplicationServiceProxy` (with endpoint `POST /StructureStatusServiceProxy/holdStructureSecure`), and `SweepApplicationServiceProxy` (with endpoint `POST /SweepApplicationServiceProxy/executeStructuresSecure`).

2. Click on Try it out as shown below.

POST /ChargesReportsApplicationServiceProxy/getStructureCreate To View the structure

This service will give information to the user about all the structure created along with the existing structure in a certain period of time specified by the user.

Parameters Try it out

Name	Description
body (body)	<p>Example Value Model</p> <pre>{ "customerId": "string", "liquiditytype": "string", "fromdate": "string", "todate": "string" }</pre> <p>Parameter content type application/json</p>
Userid string (header)	

Responses Response content type application/json

3. Give the corresponding input in body section,

ChargesReportsApplicationServiceProxy

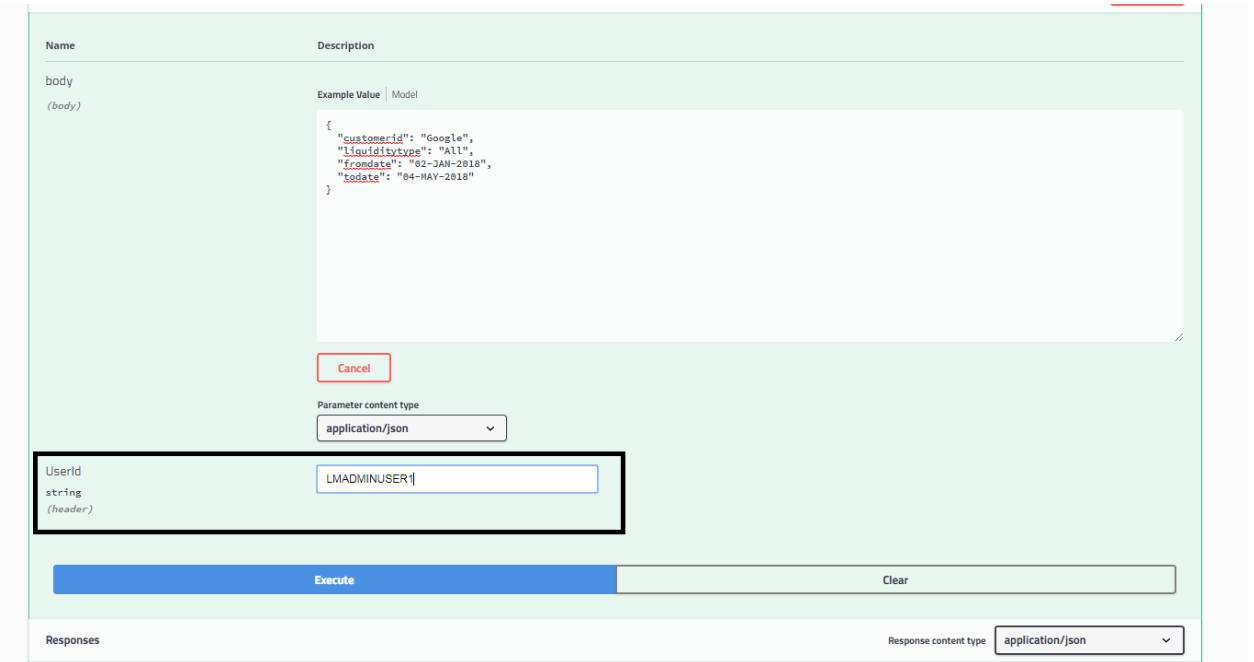
POST /ChargesReportsApplicationServiceProxy/getStructureCreate To View the structure

This service will give information to the user about all the structure created along with the existing structure in a certain period of time specified by the user.

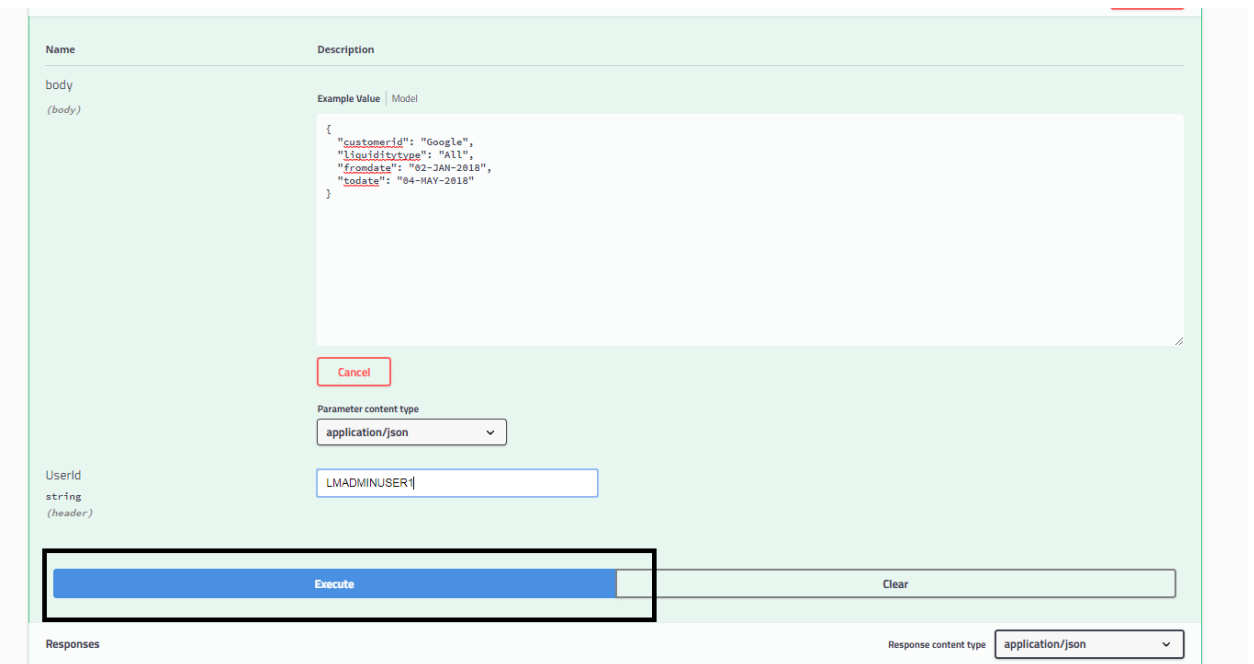
Parameters Cancel

Name	Description
body (body)	<p>Example Value Model</p> <pre>{ "customerId": "Google", "liquiditytype": "ALL", "fromdate": "62-JAN-2018", "todate": "64-MAY-2018" }</pre>
Userid string (header)	<p>Cancel</p> <p>Parameter content type application/json</p> <p>Userid</p>

4. Give UserId for the service EX :(LMADMINUSER1).



5. Click on Execute.



6. Response is populated after executing the service as shown below,

Server response	
Code	Details
200	<pre> Response body { "accountList": [{ "childaccountcy": "EUR", "childaccountdesc": "C account test case 683", "childaccountno": "Google683", "childbroode": "LON", "childbrname": "London Branch", "customerID": "Google", "liquidityType": "Sweep ST", "parentaccountcy": "EUR", "parentaccountdesc": "P account test case 682", "parentaccountno": "Google682", "parentbrcode": "LON", "parentbrname": "London Branch", "reallocationmethod": "No Reallocation", "structureId": "ST1111", "structuredesc": "TEST CASE STR ", "versionNo": 1 }, { "childaccountcy": "EUR", "childaccountdesc": "P account test case 682", "childaccountno": "Google682", "childbroode": "LON", "childbrname": "London Branch", "liquidityType": "Sweep ST", "parentaccountcy": "NA", "parentaccountdesc": "NA", "parentaccountno": "NA", "parentbrcode": "NA", "parentbrname": "NA", "reallocationmethod": "No Reallocation", "structureId": "ST1111", "structuredesc": "TEST CASE STR ", "versionNo": 1 }, { "childaccountcy": "EUR", </pre>

Service 7 : Structure Modify Details for charges

Description:

This service will give information to the user about all the structure modified in a certain period of time specified by the user.

1. Click on to modify the structure service which is highlighted below,

BatchMonitorApplicationServiceProxy ▼

POST /BatchMonitorApplicationServiceProxy/fetchSecure View Sweep Log from Sweep Monitor

ChargesReportsApplicationServiceProxy ▼

POST /ChargesReportsApplicationServiceProxy/getStructureCreate To View the structure

POST /ChargesReportsApplicationServiceProxy/getStructureModify To modify the structure created

POST /ChargesReportsApplicationServiceProxy/getSweepPoolLog To view the details of sweep executed

POST /ChargesReportsApplicationServiceProxy/getStructureDetails To list all details of created or modified structure

StructureMaintenanceApplicationServiceProxy ▼

POST /StructureMaintenanceApplicationServiceProxy/getMaxVersionStructuredetailsSecure List of Structures

POST /StructureMaintenanceApplicationServiceProxy/getStructureDetailsOfLatestVersionSecure View of Liquidity Structures Sweep,Pool,Hybrid, Enhancement

StructureStatusApplicationServiceProxy ▼

POST /StructureStatusServiceProxy/holdStructureSecure Marking of a structure to Hold status

SweepApplicationServiceProxy ▼

POST /SweepApplicationServiceProxy/executeStructuresSecure Initiate Manual Sweeps

2. Click on Try it out as shown below.

POST /ChargesReportsApplicationServiceProxy/getStructureModify To modify the structure created

This service will give information to the user about all the structure modified in a certain period of time specified by the user

Parameters Try it out

Name	Description
body (body)	<p>Example Value Model</p> <pre>{ "customerid": "string", "liquiditytype": "string", "fromdate": "string", "todate": "string" }</pre> <p>Parameter content type application/json</p>
UserId string (header)	

Responses Response content type application/json

3. Give the corresponding input in body section,

Parameters Cancel

Name	Description
body <i>(body)</i>	<div style="display: flex; justify-content: space-between;">Example ValueModel</div> <pre>{ "customer.id": "Google", "liquidity.type": "ALL", "from.date": "02-JAN-2018", "to.date": "04-MAY-2018" }</pre>

Cancel

Parameter content type
application/json

UserId
string
(header)
LMADMINUSER1

4. Give UserId for the service EX :(LMADMINUSER1).

Parameters Cancel

Name	Description
body <i>(body)</i>	<div style="display: flex; justify-content: space-between;">Example ValueModel</div> <pre>{ "customer.id": "Google", "liquidity.type": "ALL", "from.date": "02-JAN-2018", "to.date": "04-MAY-2018" }</pre>

Cancel

Parameter content type
application/json

UserId
string
(header)
LMADMINUSER1

5. Click on Execute.

Name	Description
body (body)	<div style="border: 1px solid #ccc; padding: 5px;"> <p>Example Value Model</p> <pre>{ "customerId": "Google", "liquiditytype": "All", "fromdate": "02-JAN-2018", "todate": "04-MAY-2018" }</pre> </div> <div style="margin-top: 5px;"> <input type="button" value="Cancel"/> </div>
userid string (header)	<input type="text" value="LMADMINUSER1"/>
<input type="button" value="Execute"/> <input style="margin-left: 200px;" type="button" value="Clear"/>	
Responses	Response content type <input type="text" value="application/json"/>

6. Response is populated after executing the service as shown below,

Server response		Details
Code		
200		
Responses		
Code	Description	
200	<div style="background-color: #333; color: #fff; padding: 2px;">Fetched Successfully</div>	
404	<div style="background-color: #333; color: #fff; padding: 2px;">Unable to find the server url</div>	
500	<div style="background-color: #333; color: #fff; padding: 2px;">Internal server error</div>	

Service 8 : Structure Contribution Details for charges

Description :

This service will give all the information to the user about the sweep and pool executed successfully in the given period of time specified by the user.

1. Click on to view Sweep details service which is highlighted below,

BatchMonitorApplicationServiceProxy ▼

POST /BatchMonitorApplicationServiceProxy/fetchSecure View Sweep Log from Sweep Monitor

ChargesReportsApplicationServiceProxy ▼

POST /ChargesReportsApplicationServiceProxy/getStructureCreate To View the structure

POST /ChargesReportsApplicationServiceProxy/getStructureModify To modify the structure created

POST /ChargesReportsApplicationServiceProxy/getSweepPoolLog To view the details of sweep executed

POST /ChargesReportsApplicationServiceProxy/getStructureDetails To list all details of created or modified structure

StructureMaintenanceApplicationServiceProxy ▼

POST /StructureMaintenanceApplicationServiceProxy/getMaxVersionStructuredetailsSecure List of Structures

POST /StructureMaintenanceApplicationServiceProxy/getStructureDetailsOfLatestVersionSecure View of Liquidity Structures Sweep,Pool,Hybrid, Enhancement

StructureStatusApplicationServiceProxy ▼

POST /StructureStatusServiceProxy/holdStructureSecure Marking of a structure to Hold status

SweepApplicationServiceProxy ▼

POST /SweepApplicationServiceProxy/executeStructuresSecure Initiate Manual Sweeps

2. Click on Try it out as shown below.

POST /ChargesReportsApplicationServiceProxy/getStructureCreate To View the structure

This service will give information to the user about all the structure created along with the existing structure in a certain period of time specified by the user.

Parameters Try it out

Name	Description
body (body)	<p>Example Value Model</p> <pre>{ "customerId": "string", "liquiditytype": "string", "fromdate": "string", "todate": "string" }</pre> <p>Parameter content type application/json</p>
Userid string (header)	

Responses Response content type application/json

3. Give the corresponding input in body section,

Parameters Cancel

Name	Description
body <i>(body)</i>	<div style="display: flex; justify-content: space-between;"> Example Value Model </div> <pre>{ "customerId": "Google", "liquiditytype": "All", "startdate": "02-JAN-2018", "enddate": "04-MAY-2018" }</pre>

Cancel

Parameter content type

UserId
string
(header)

4. Give UserId for the service EX :(LMADMINUSER1).

Parameters Cancel

Name	Description
body <i>(body)</i>	<div style="display: flex; justify-content: space-between;"> Example Value Model </div> <pre>{ "customerId": "Google", "liquiditytype": "All", "startdate": "02-JAN-2018", "enddate": "04-MAY-2018" }</pre>

Cancel

Parameter content type

UserId
string
(header)

5. Click on Execute.

Name	Description
body <i>(body)</i>	<div style="border: 1px solid #ccc; padding: 5px;"> Example Value Model <pre> { "customerid": "Google", "liquiditytype": "All", "fromdate": "02-JAN-2018", "todate": "04-MAY-2018" } </pre> </div>
userid string <i>(header)</i>	<input type="text" value="LMADMINUSER1"/>
<div style="text-align: right;"> <input type="button" value="Cancel"/> </div>	
Parameter content type <input type="text" value="application/json"/>	
<input type="button" value="Execute"/> <input style="margin-left: 200px;" type="button" value="Clear"/>	
Responses	Response content type <input type="text" value="application/json"/>

6. Response is populated after executing the service as shown below,

Code	Details
200	<div style="border: 1px solid #ccc; padding: 5px;"> Response body <pre> { "accountList": [{ "childaccountccy": "EUR", "childaccountdesc": "P account test case 602", "childaccountno": "Google602", "childbrcode": "LON", "childbrname": "London Branch", "customerid": "Google", "liquiditytype": "Sweep ST", "parentaccountccy": "NA", "parentaccountdesc": "NA", "parentaccountno": "NA", "parentbrcode": "NA", "parentbrname": "NA", "reallocationmethod": "No Reallocation", "structureid": "ST1111", "structuredesc": "TEST CASE STR ", "versionNo": 1 }, { "childaccountccy": "EUR", "childaccountdesc": "C account test case 603", "childaccountno": "Google603", "childbrcode": "LON", "childbrname": "London Branch", "customerid": "Google", "liquiditytype": "Sweep ST", "parentaccountccy": "EUR", "parentaccountdesc": "P account test case 602", "parentaccountno": "Google602", "parentbrcode": "LON", "parentbrname": "London Branch", "reallocationmethod": "No Reallocation", "structureid": "ST1111", "structuredesc": "TEST CASE STR ", "versionNo": 1 }, { "childaccountccy": "EUR", "childaccountdesc": "P account test case 001", "childaccountno": "GoogleLONPA002", </pre> </div>

Service 9 : Structure Detail for charges

Description :

This service will give information to the user about all the structure created, modified along with the existing structure in a certain period of time specified by the user.

1. Click on to view the structure service which is highlighted below,

The screenshot displays a list of API services. The service **ChargesReportsApplicationServiceProxy** is expanded, showing four endpoints. The endpoint `POST /ChargesReportsApplicationServiceProxy/getStructureDetails` is highlighted with a black border. The other endpoints are:

- `POST /BatchMonitorApplicationServiceProxy/fetchSecure` - View Sweep Log from Sweep Monitor
- `POST /ChargesReportsApplicationServiceProxy/getStructureCreate` - To View the structure
- `POST /ChargesReportsApplicationServiceProxy/getStructureModify` - To modify the structure created
- `POST /ChargesReportsApplicationServiceProxy/getSweepPoolLog` - To view the details of sweep executed

Other services listed include **StructureMaintenanceApplicationServiceProxy**, **StructureStatusApplicationServiceProxy**, and **SweepApplicationServiceProxy**.

2. Click on Try it out as shown below.

The screenshot shows the 'Try it out' interface for the endpoint `POST /ChargesReportsApplicationServiceProxy/getStructureDetails`. The description states: "This service will give information to the user about all the structure created, modified along with the existing structure in a certain period of time specified by the user." A **Try it out** button is highlighted with a black box.

Parameters

Name	Description
body (body)	<p>Example Value Model</p> <pre>{ "customerid": "Google", "liquiditytype": "All", "fromdate": "02-JAN-2018", "todate": "04-MAY-2018" }</pre> <p>Parameter content type application/json</p>
UserId string (header)	

3. Give the corresponding input in body section,

The screenshot shows a REST client interface with a 'Parameters' tab. The main area is divided into 'Name' and 'Description' columns. A table lists parameters:

Name	Description
body (body)	Example Value Model <pre>{ "customerId": "Google", "liquiditytype": "ALL", "fromdate": "02-JAN-2018", "todate": "04-MAY-2018" }</pre>

Below the table, there is a 'Cancel' button, a 'Parameter content type' dropdown menu set to 'application/json', and a text input field containing 'LMADMINUSER1'. At the bottom left, a header parameter is defined:

userid string (header)	LMADMINUSER1
------------------------------	--------------

4. Give UserId for the service EX :(LMADMINUSER1).

This screenshot is identical to the previous one, but with a black rectangular box highlighting the 'userid' header parameter and its value 'LMADMINUSER1' in the bottom-left section of the interface.

5. Click on Execute.

Name	Description
body <i>(body)</i>	<div style="border: 1px solid #ccc; padding: 5px;"> <p>Example Value Model</p> <pre>{ "customerid": "Google", "liquiditytype": "All", "startdate": "02-JAN-2018", "enddate": "04-MAY-2018" }</pre> </div>
UserId string <i>(header)</i>	<input type="text" value="LMADMINUSER1"/>

Parameter content type

Responses Response content type

6. Response is populated after executing the service as shown below,

Code	Details
200	<p>Response body</p> <pre>{ "headerList": [{ "amendedstr": 0, "customerid": "Google", "newstrcreated": 1, "participatingaccs": 5, "strturnover": 0, "structureType": "Hybrid ST", "sweepoolcontri": 0, "totalstrcreated": 1 }, { "amendedstr": 3, "customerid": "Google", "newstrcreated": 1, "participatingaccs": 4, "strturnover": 0, "structureType": "Int Enh ST", "sweepoolcontri": 0, "totalstrcreated": 1 }, { "amendedstr": 2, "customerid": "Google", "newstrcreated": 2, "participatingaccs": 6, "strturnover": 0, "structureType": "MBCC", "sweepoolcontri": 0, "totalstrcreated": 2 }, { "amendedstr": 1, "customerid": "Google", "newstrcreated": 25, "participatingaccs": 124, "strturnover": 0, "structureType": "Pool ST Int Method", "sweepoolcontri": 8 }] }</pre>



Channel Setup
Oracle Banking Liquidity Management
Version 14.1.0.0.0
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