

Liquidity Management Channel Setup
Oracle Banking Liquidity Management
Release 14.0.0.0.0
[November] [2017]



Table of Contents

1.	LIQUIDITY MANAGEMENT APPLICATION CONFIGURATION	1
1.1	INTRODUCTION	1
1.2	STEPS TO BE FOLLOWED FOR CONFIGURATION OF ADMINISTRATIVE CONSOLE.....	1
1.2.1	<i>Create Managed Server</i>	2
1.2.2	<i>Create Machine</i>	4
1.2.3	<i>Connect Data Source</i>	7
1.2.4	<i>Build Liquidity Managements Executable Files</i>	9
1.2.5	<i>Deploy Liquidity Management Executable Files</i>	13
1.2.6	<i>Start The Server</i>	22
1.2.7	<i>Configure SSL</i>	26
1.2.8	<i>Test Channel Setup</i>	26

Liquidity Management Channel Setup

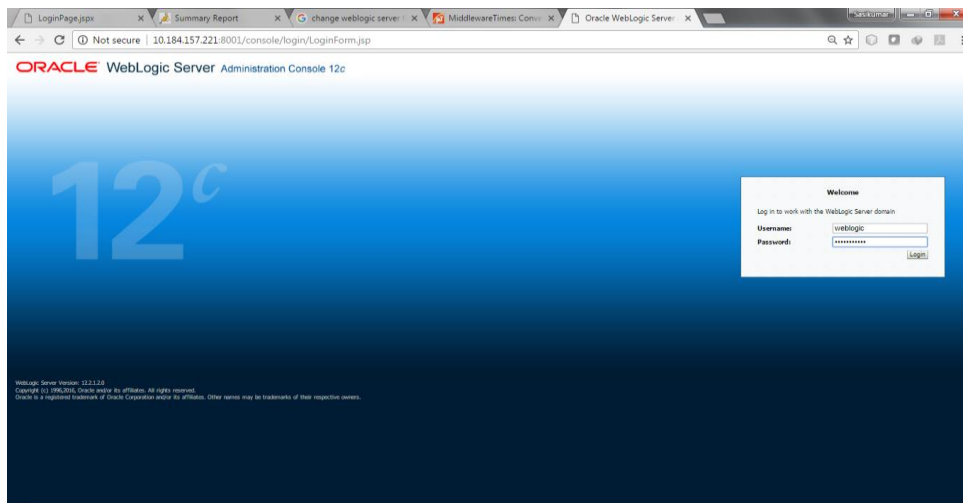
1.1 Introduction

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

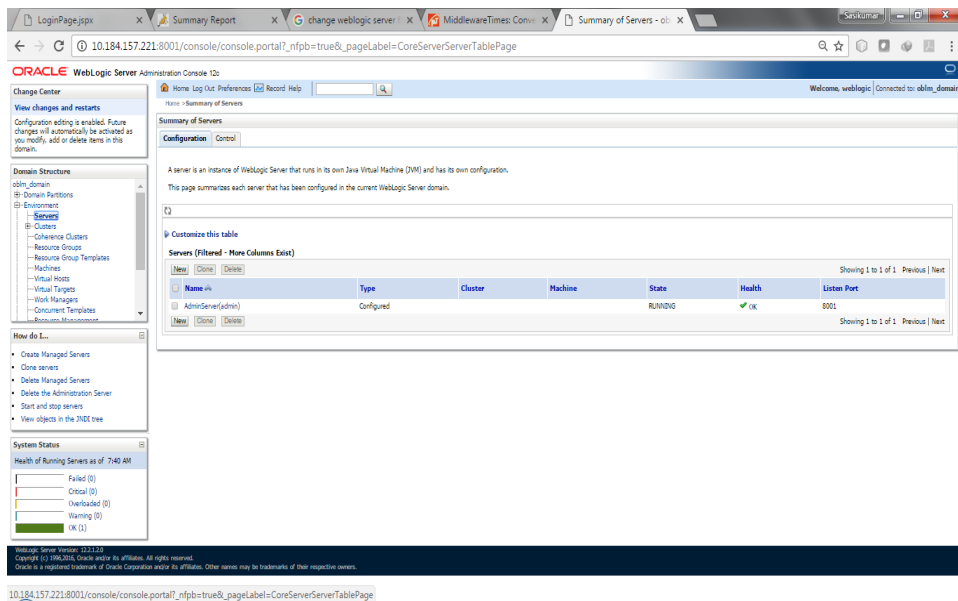
Prerequisite: Weblogic Server should be installed and oracle weblogic server domain should be installed as mentioned in “**Oracle_Banking_Liquidity_Management_12 4 0 0 0_Application_Setup.doc**”.

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

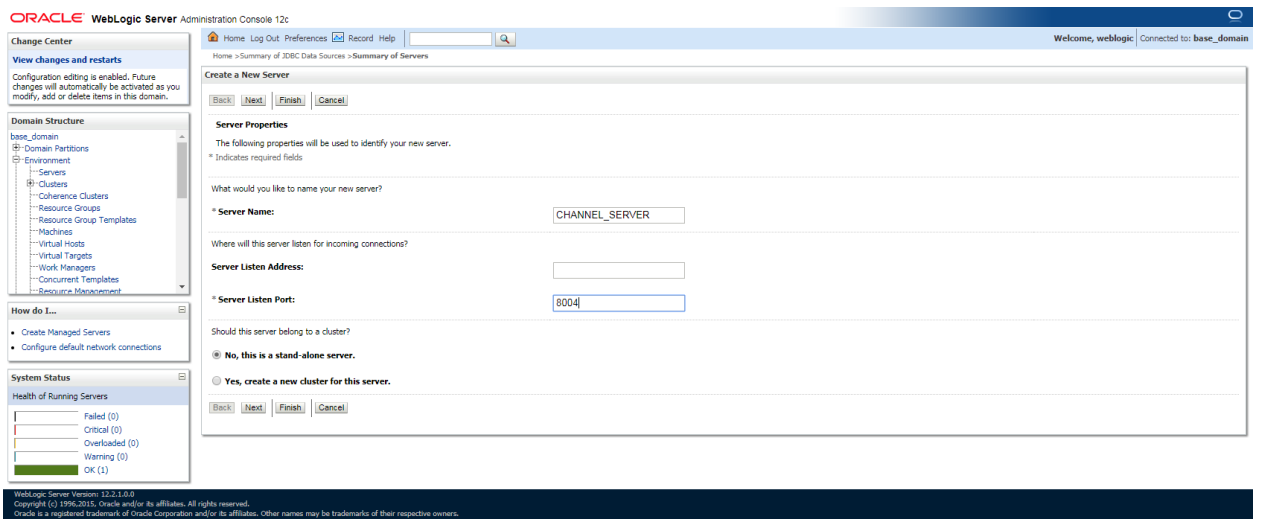
1. Click on **New** to create a new server.

Enter the following details.

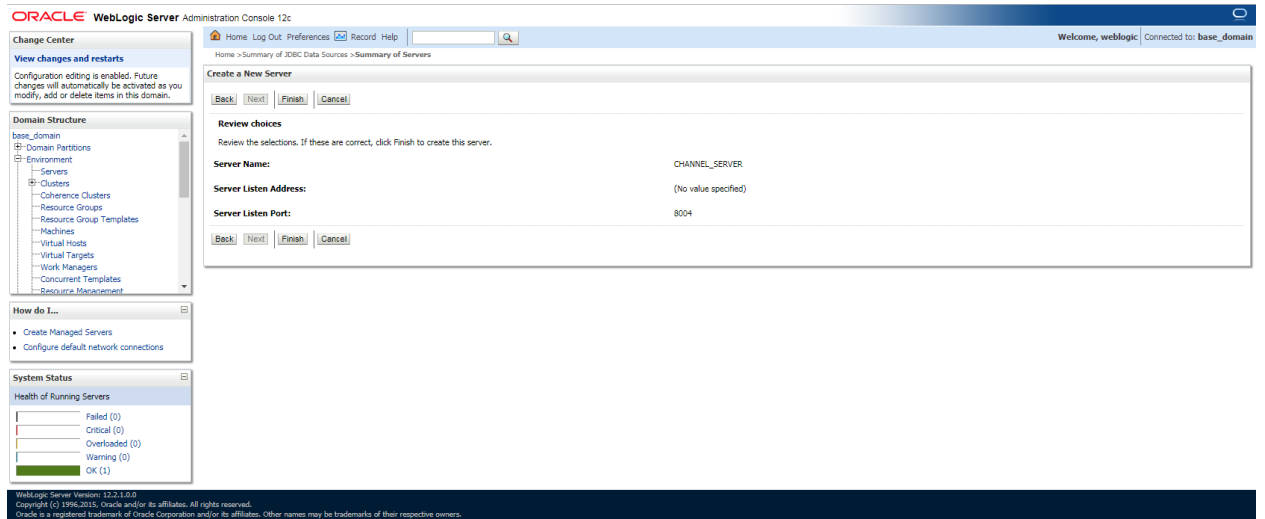
Server Name : CHANNEL_SERVER

Server Listen Port: 8004

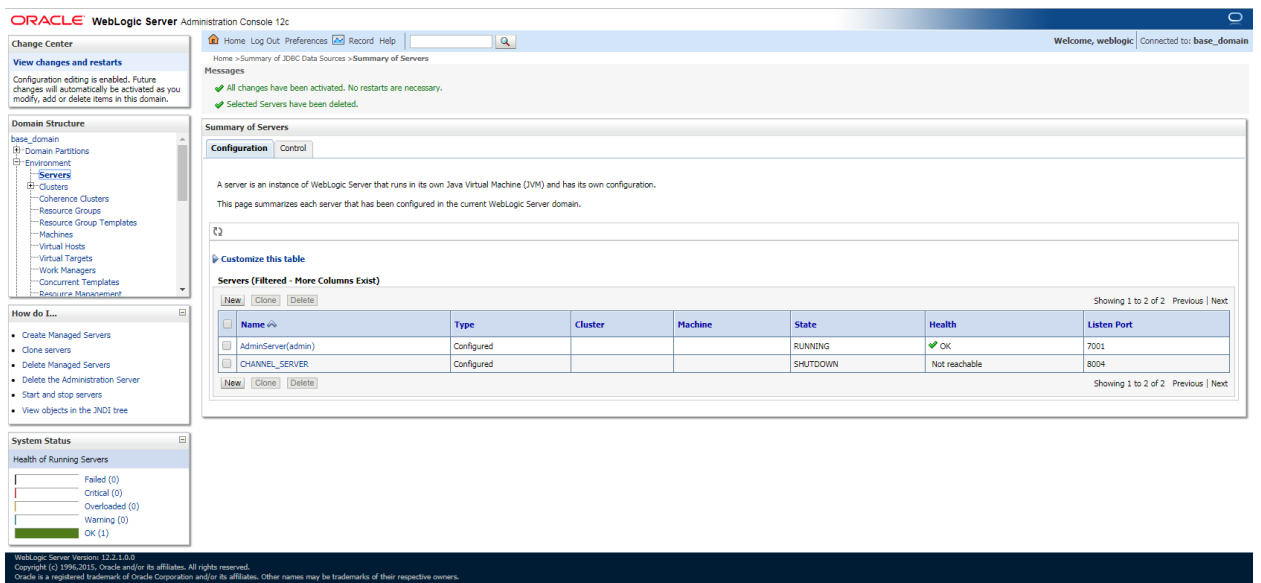
Leave other fields as it is.



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>>/wlserver/server/lib/consoleapp/APP-INF/lib/commons-codec-1.3.jar

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

Domain Structure

- base_domain
 - Domain Partitions
 - Environment
 - Servers
 - Clusters
 - Coherence Clusters
 - Resource Groups
 - Resource Group Templates
 - Machines
 - Virtual Hosts
 - Virtual Targets
 - Work Managers
 - Concurrent Templates
 - Resource Management

How do I...

- Configure startup arguments for Managed Servers
- Start Managed Servers from the Administration Console
- Shut down a server instance

System Status

Health of Running Servers

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

Settings for CHANNEL_SERVER

Configuration Protocols Logging Debug Monitoring Control Deployments Services Security Notes

General Cluster Services KeyStores SSL Federation Services Deployment Migration Tuning Overload Concurrency Health Monitoring **Server Start** Web Services Coherence

Save

Node Manager is a WebLogic Server utility that you can use to start, suspend, shut down, and restart servers in normal or unexpected conditions. Use this page to configure the startup settings that Node Manager will use to start this server on a remote machine.

Java Home: The Java home directory (path on the machine running Node Manager) to use when starting this server. [More Info...](#)

Java Vendor: The Java Vendor value to use when starting this server. [More Info...](#)

BEA Home: The BEA home directory (path on the machine running Node Manager) to use when starting this server. [More Info...](#)

Root Directory: The directory that this server uses as its root directory. This directory must be on the computer that hosts Node Manager. If you do not specify a Root Directory value, the domain directory is used by default. [More Info...](#)

Class Path: The classpath (path on the machine running Node Manager) to use when starting this server. [More Info...](#)

`/scratch/middleware/oracle_home/u1sserver/server/lib/console/asp/APP-INF/commons-codec-1.3.jar`

Arguments: The arguments to use when starting this server. [More Info...](#)

Security Policy File: The security policy file (directory and filename on the machine running Node Manager) to use when starting this server. [More Info...](#)

User Name: The user name to use when booting this server. [More Info...](#)

Password: The password of the username used to boot the server and perform server health monitoring. [More Info...](#)

Confirm Password:

Save

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5. Click on **Save**.

1.2.2 Create Machine

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

WebLogic Server Administration Console 12c

Home Log Out Preferences Record Help

Welcome, weblogic Connected to obln_domain

Summary of Machines

A machine is the logical representation of the computer that hosts one or more WebLogic Server instances (servers). WebLogic Server uses configured machine names to determine the optimum server in a cluster to which certain tasks, such as HTTP session replication, are delegated. The Administration Server uses the machine definition in conjunction with Node Manager to start remote servers.

This page displays key information about each machine that has been configured in the current WebLogic Server domain.

Customize this table

Machines

Name	Type
There are no items to display	

Showing 0 to 0 of 0 Previous | Next

Domain Structure

- obln_domain
 - Domain Partitions
 - Environment
 - Servers
 - Clusters
 - Coherence Clusters
 - Resource Groups
 - Resource Group Templates
 - Machines
 - Virtual Hosts
 - Virtual Targets
 - Work Managers
 - Concurrent Templates
 - Resource Management

How do I...

- Create and configure machines
- Assign server instances to machines
- Clone machines
- Delete machines

System Status

Health of Running Servers as of 7:45 AM

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

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10.184.157.221:8001/console/console.portal?_nfpb=true&_pageLabel=CoreMachineMachineTabPage

2. Give the following details.

Name: **CHANNEL_MACHINE**

Machine OS: **others**

The screenshot shows the Oracle WebLogic Server Administration Console. On the left, the 'Domain Structure' tree is visible, showing the hierarchy from 'base_domain' down to 'Machines'. The 'System Status' section shows 'Health of Running Servers' with 'OK (1)'. The main area displays the 'Create a New Machine' wizard. The 'Machine Identity' step is active, showing the 'Name' field with 'CHANNEL_MACHINE' and the 'Machine OS' dropdown set to 'Other'. The 'Next' button is highlighted.

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

The screenshot shows the Oracle WebLogic Server Administration Console. The 'Create a New Machine' wizard is at the 'Node Manager Properties' step. The 'Type' is set to 'SSL'. The 'Listen Address' field contains '10.184.157.221' and the 'Listen Port' field contains '5558'. The 'Next' button is highlighted.

4. CHANNEL_MACHINE is created

Oracle WebLogic Server Administration Console 12c

Home | Log Out | Preferences | Record | Help

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
├── Domain Partitions
│ ├── Environment
│ │ ├── Servers
│ │ ├── Clusters
│ │ │ ├── Coherence Clusters
│ │ │ ├── Resource Groups
│ │ │ └── Resource Group Templates
│ │ └── Machines
│ │ ├── Virtual Hosts
│ │ ├── Virtual Targets
│ │ ├── Work Managers
│ │ ├── Concurrent Templates
│ │ └── Resource Management

How do I...?
• Create and configure machines
• Assign server instances to machines
• Clone machines
• Delete machines

System Status
Health of Running Servers
Failed (0)
Critical (0)
Overloaded (0)
Warning (0)
OK (1)

Summary of Machines
A machine is the logical representation of the computer that hosts one or more WebLogic Server instances (servers). WebLogic Server uses configured machine names to determine the optimum server in a cluster to which certain tasks, such as HTTP session replication, are delegated. The Administration Server uses the machine definition in conjunction with Node Manager to start remote servers.
This page displays key information about each machine that has been configured in the current WebLogic Server domain.

Customize this table

Name	Type
CHANNEL_MACHINE	Machine

Showing 1 to 1 of 1 | Previous | Next

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5. Map CHANNEL_SERVER to CHANNEL_MACHINE

Oracle WebLogic Server Administration Console 12c

Home | Log Out | Preferences | Record | Help

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
├── Domain Partitions
│ ├── Environment
│ │ ├── Servers
│ │ ├── Clusters
│ │ │ ├── Coherence Clusters
│ │ │ ├── Resource Groups
│ │ │ └── Resource Group Templates
│ │ └── Machines
│ │ ├── Virtual Hosts
│ │ ├── Virtual Targets
│ │ ├── Work Managers
│ │ ├── Concurrent Templates
│ │ └── Resource Management

How do I...?
• Configure default network connections
• Create and configure machines
• Configure clusters
• Start and stop servers
• Configure WLDI diagnostic volume
• Apply a server template

System Status
Health of Running Servers
Failed (0)
Critical (0)
Overloaded (0)
Warning (0)
OK (1)

Settings for CHANNEL_SERVER
Configuration | Protocols | Logging | Debug | Monitoring | Control | Deployments | Services | Security | Notes

General | Cluster | Services | KeyStores | SSL | Federation Services | Deployment | Migration | Tuning | Overload | Concurrency | Health Monitoring | Server Start | Web Services | Coherence

Save

Use this page to configure general features of this server such as default network communications.

Name: CHANNEL_SERVER
An alphanumeric name for this server instance. [More Info...](#)

Template: (No value specified) [Change](#)
The template used to configure this server. [More Info...](#)

Machine: CHANNEL_MACHINE
The WebLogic Server host computer (machine) on which this server is meant to run. [More Info...](#)

Cluster: (Stand-Alone)
The cluster, or group of WebLogic Server instances, to which this server belongs. [More Info...](#)

Listen Address:
The IP address or DNS name this server uses to listen for incoming connections. For example, enter 12.34.5.67 or mymachine, respectively. [More Info...](#)

☒ **Listen Port Enabled**
Specifies whether this server can be reached through the default plain-text (non-SSL) listen port. [More Info...](#)

Listen Port: 8004
The default TCP port that this server uses to listen for regular (non-SSL) incoming connections. [More Info...](#)

☐ **SSL Listen Port Enabled**
Indicates whether the server can be reached through the default SSL listen port. [More Info...](#)

SSL Listen Port: 7002
The TCP/IP port at which this server listens for SSL connection requests. [More Info...](#)

☐ **Client Cert Proxy Enabled**
Specifies whether the HttpClusterServlet proxies the client certificate in a special header. [More Info...](#)

Java Compiler: javac
The Java compiler to use for all applications hosted on this server that need to compile Java code. [More Info...](#)

Diagnostic Volume: Low
Specifies the volume of diagnostic data that is automatically produced by WebLogic Server at run time. Note that the WLDI diagnostic volume setting does not affect explicitly configured diagnostic modules. For example, this controls the volume of events generated for Flight Recorder. [More Info...](#)

Default DataSource:
The JNDI name of a system resource data source used to override the default datasource. [More Info...](#)

[Advanced](#)

Save

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1.2.3 Connect Data Source

1.2.3.1 Connect LM Data source

1. Click on the Data Sources under Services

ORACLE WebLogic Server Administration Console 12c

Home Log Out Preferences Record Help

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

- Work -> Messaging
- Concurrent Templates
- Resource Management
- Startup and Shutdown Classes
- Deployments
- Services
 - Data Sources
 - Persistent Stores
 - Foreign JNDI Providers
 - Work Contexts
 - XML Registries
 - XML Entity Caches
 - JCOM

How do I...?

- Create JDBC generic data sources
- Create JDBC GridLink data sources
- Create JDBC multi data sources
- Create UCP data sources
- Create Proxy data sources

System Status

Health of Running Servers

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

Summary of JDBC Data Sources

Configuration Monitoring

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/Im	Generic	jdbc/Im	AdminServer	Global	

Showing 1 to 1 of 1 Previous Next

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2. Click the jdbc/Im datasource link.

ORACLE WebLogic Server Administration Console 12c

Home Log Out Preferences Record Help

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
├─ Domain Partitions
├─ Environment
│ └─ Servers
│ └─ Clusters
│ │ └─ Server Templates
│ │ └─ Migratable Targets
│ └─ Coherence Clusters
└─ Resource Groups
 └─ Resource Group Templates
 └─ Machines
 └─ Virtual Hosts
 └─ Virtual Targets
 └─ Work Managers

How do I...?
• Create JDBC generic data sources
• Create JDBC GridLink data sources
• Create LIR-enabled JDBC data sources

System Status
Health of Running Servers
Failed (0)
Critical (0)
Overloaded (0)
Warning (0)
OK (1)

Settings for jdbc/ln
Configuration Targets Monitoring Control Security Notes

General Connection Pool Oracle ONS 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/ln 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/ln 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 chunk. [More Info...](#)

Stream Chunk Size: 256 Specifies the data chunk size for streaming data types. [More Info...](#)

Save

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3. Click the Targets link.

ORACLE WebLogic Server Administration Console 12c

Home Log Out Preferences Record Help

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
├─ Domain Partitions
├─ Environment
│ └─ Servers
│ └─ Clusters
│ │ └─ Coherence Clusters
│ │ └─ Resource Groups
│ └─ Resource Group Templates
└─ Machines
 └─ Virtual Hosts
 └─ Virtual Targets
 └─ Work Managers
 └─ Concurrent Templates
 └─ Resource Management

How do I...?
• Target JDBC data sources

System Status
Health of Running Servers
Failed (0)
Critical (0)
Overloaded (0)
Warning (0)
OK (1)

Settings for jdbc/ln
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.

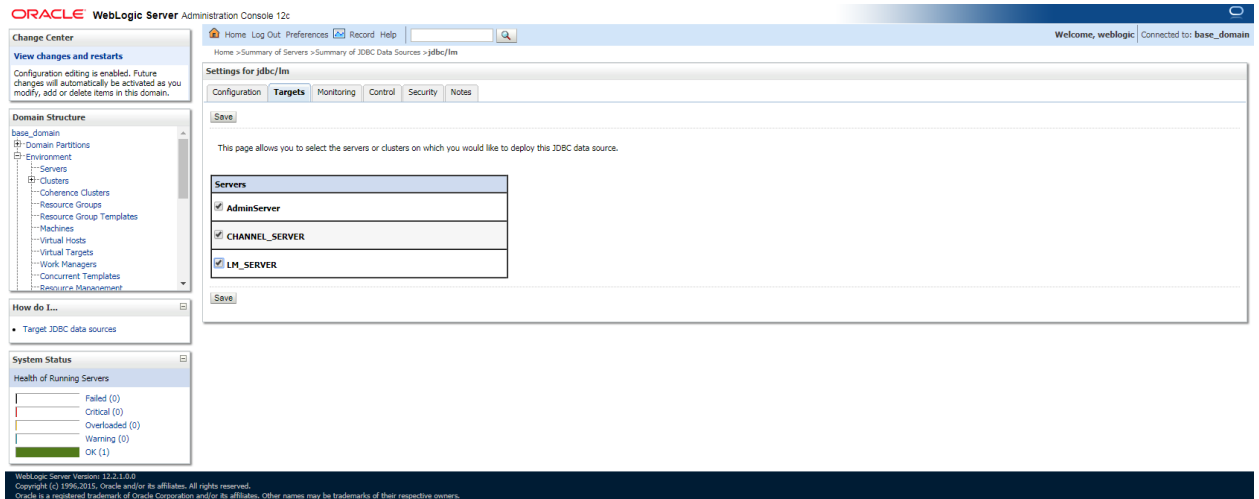
Servers

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

Save

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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

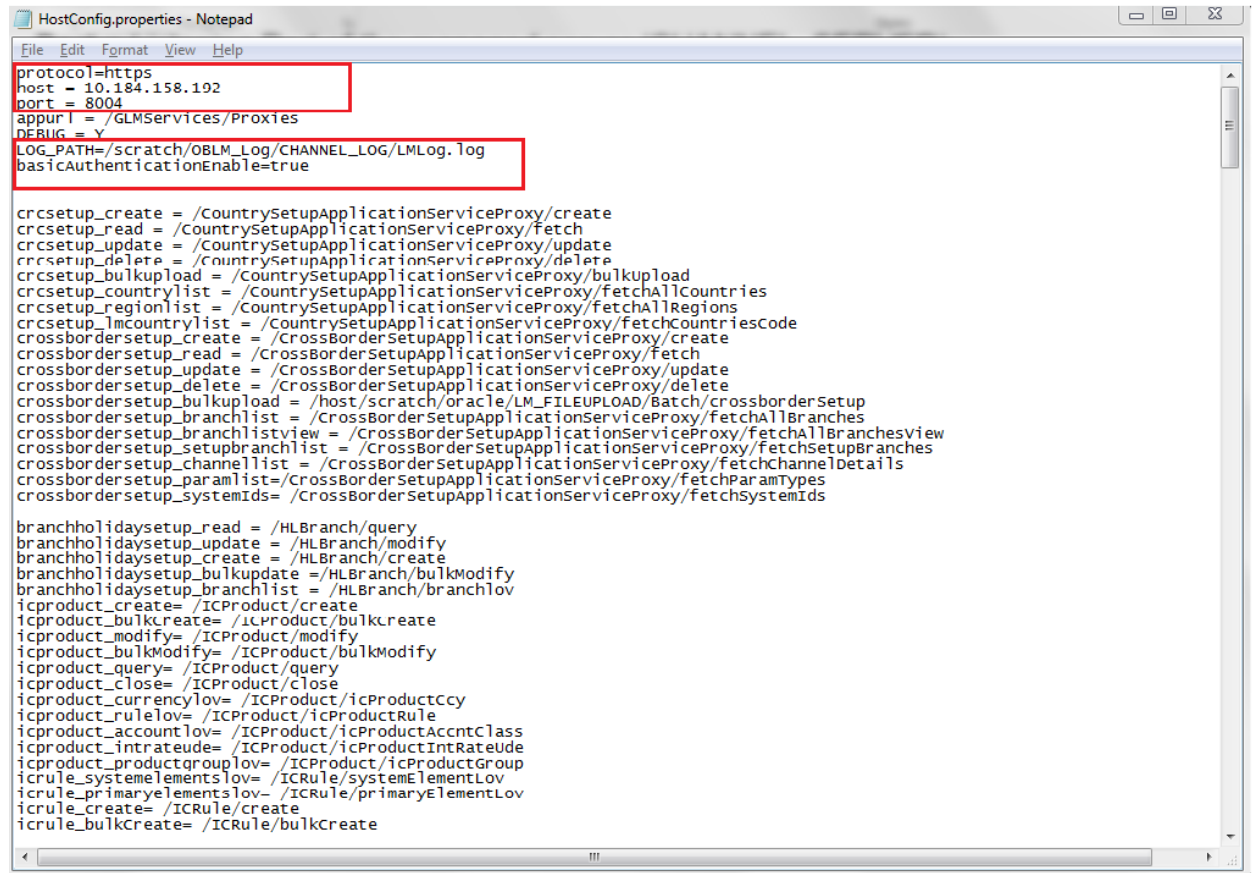
Port = Listening Port of the managed server (CHANNEL_SERVER)

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

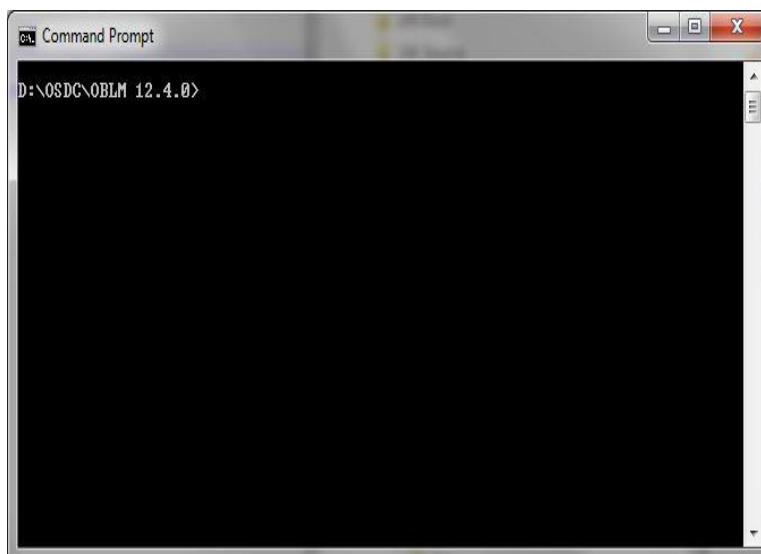


```
HostConfig.properties - Notepad
File Edit Format View Help
protocol=https
host = 10.184.158.192
port = 8004
appurl = /GLMServices/Proxies
DEBUG = Y
LOG_PATH=/scratch/OBLM_Log/CHANNEL_LOG/LMLog.log
basicAuthenticationEnable=true

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_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/icProductAcctClass
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

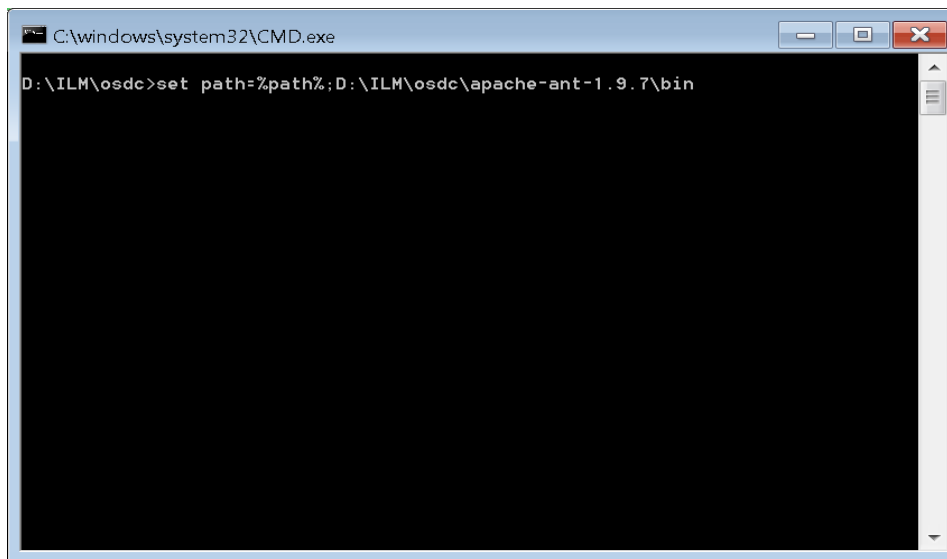


```
Command Prompt
D:\OSDC\OBLM 12.4.0>
```

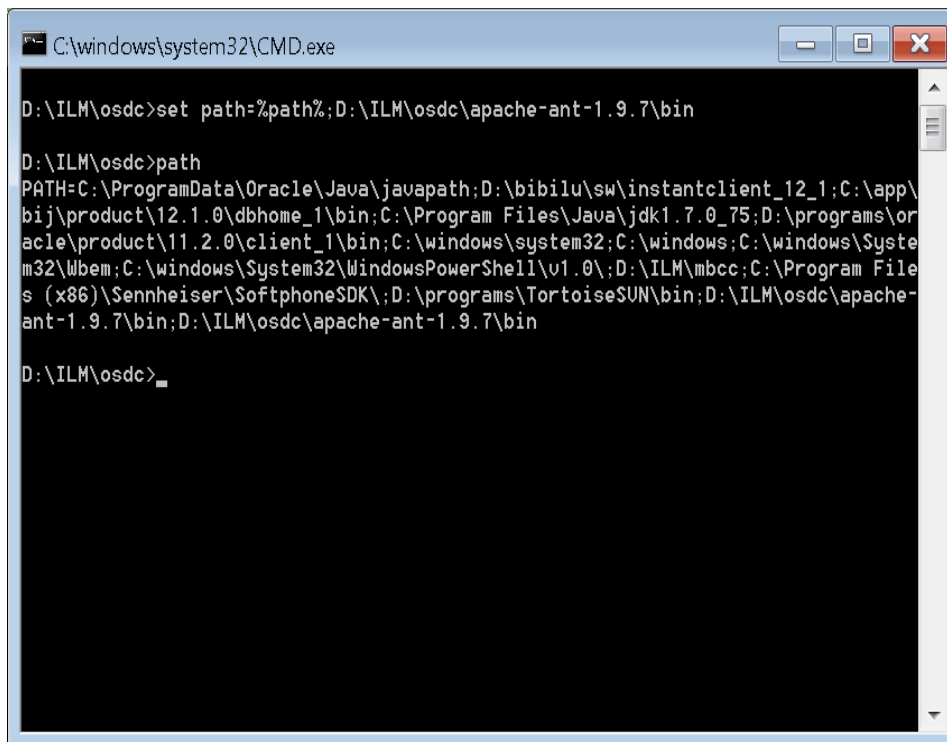
3. Add Path

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.offss.glm.module.ejb.flexcube.jar
[Jar] Building jar: D:\OSDC\OBLM 12.4.0\HostWorkspace\host12.2.1\build\arc
hivee\com.offss.glm.module.ejb.flexcube.jar
hivee\com.offss.glm.module.ejb.dashboard.jar
[Jar] Building jar: D:\OSDC\OBLM 12.4.0\HostWorkspace\host12.2.1\build\arc
hivee\com.offss.glm.module.ejb.dashboard.jar
hivee\com.offss.glm.module.ejb.fileupload.jar
[Jar] Building jar: D:\OSDC\OBLM 12.4.0\HostWorkspace\host12.2.1\build\arc
hivee\com.offss.glm.module.ejb.fileupload.jar
hivee\com.offss.glm.module.ejb.reports.jar
[Jar] Building jar: D:\OSDC\OBLM 12.4.0\HostWorkspace\host12.2.1\build\arc
hivee\com.offss.glm.module.ejb.reports.jar
hivee\com.offss.glm.module.ejb.simulation.jar
[Jar] Building jar: D:\OSDC\OBLM 12.4.0\HostWorkspace\host12.2.1\build\arc
hivee\com.offss.glm.module.ejb.simulation.jar
hivee\com.offss.glm.module.ejb.sms.jar
[Jar] Building jar: D:\OSDC\OBLM 12.4.0\HostWorkspace\host12.2.1\build\arc
hivee\com.offss.glm.module.ejb.sms.jar
hivee\com.offss.glm.module.ejb.fc.jar
[Jar] Building jar: D:\OSDC\OBLM 12.4.0\HostWorkspace\host12.2.1\build\arc
hivee\com.offss.glm.module.ejb.fc.jar
hivee\com.offss.glm.module.ejb.paymenthandoff.jar
[Jar] Building jar: D:\OSDC\OBLM 12.4.0\HostWorkspace\host12.2.1\build\arc
hivee\com.offss.glm.module.ejb.paymenthandoff.jar
hivee\com.offss.glm.module.ejb.liquiditygrp.jar
[Jar] Building jar: D:\OSDC\OBLM 12.4.0\HostWorkspace\host12.2.1\build\arc
hivee\com.offss.glm.module.ejb.liquiditygrp.jar
hivee\com.offss.glm.module.ejb.setup.jar
[Jar] Building jar: D:\OSDC\OBLM 12.4.0\HostWorkspace\host12.2.1\build\arc
hivee\com.offss.glm.module.ejb.setup.jar
hivee\com.offss.glm.module.ejb.structuremanagement.jar
[Jar] Building jar: D:\OSDC\OBLM 12.4.0\HostWorkspace\host12.2.1\build\arc
hivee\com.offss.glm.module.ejb.structuremanagement.jar
hivee\com.offss.glm.module.ejb.sweep.jar
[Jar] Building jar: D:\OSDC\OBLM 12.4.0\HostWorkspace\host12.2.1\build\arc
hivee\com.offss.glm.module.ejb.sweep.jar
hivee\com.offss.glm.module.ejb.batch.jar
[Jar] Building jar: D:\OSDC\OBLM 12.4.0\HostWorkspace\host12.2.1\build\arc
hivee\com.offss.glm.module.ejb.batch.jar
hivee\com.offss.glm.module.ejb.pool.jar
[Jar] Building jar: D:\OSDC\OBLM 12.4.0\HostWorkspace\host12.2.1\build\arc
hivee\com.offss.glm.module.ejb.pool.jar
hivee\com.offss.glm.module.ejb.eod.jar
[Jar] Building jar: D:\OSDC\OBLM 12.4.0\HostWorkspace\host12.2.1\build\arc
hivee\com.offss.glm.module.ejb.eod.jar
hivee\com.offss.glm.app.client.proxy.war
[War] Building war: D:\OSDC\OBLM 12.4.0\HostWorkspace\host12.2.1\build\arc
hivee\com.offss.glm.app.client.proxy.war
echo! car build successfully
copy: [copy] Copying 2 files to D:\OSDC\OBLM 12.4.0\UIReleasedArea\host
copy: [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.offss.glm.module.ejb.flexcube.jar
[Jar] Building jar: D:\OSDC\OBLM 12.4.0\HostWorkspace\host12.2.1\build\arc
hivee\com.offss.glm.module.ejb.flexcube.jar
hivee\com.offss.glm.module.ejb.dashboard.jar
[Jar] Building jar: D:\OSDC\OBLM 12.4.0\HostWorkspace\host12.2.1\build\arc
hivee\com.offss.glm.module.ejb.dashboard.jar
hivee\com.offss.glm.module.ejb.fileupload.jar
[Jar] Building jar: D:\OSDC\OBLM 12.4.0\HostWorkspace\host12.2.1\build\arc
hivee\com.offss.glm.module.ejb.fileupload.jar
hivee\com.offss.glm.module.ejb.reports.jar
[Jar] Building jar: D:\OSDC\OBLM 12.4.0\HostWorkspace\host12.2.1\build\arc
hivee\com.offss.glm.module.ejb.reports.jar
hivee\com.offss.glm.module.ejb.simulation.jar
[Jar] Building jar: D:\OSDC\OBLM 12.4.0\HostWorkspace\host12.2.1\build\arc
hivee\com.offss.glm.module.ejb.simulation.jar
hivee\com.offss.glm.module.ejb.sms.jar
[Jar] Building jar: D:\OSDC\OBLM 12.4.0\HostWorkspace\host12.2.1\build\arc
hivee\com.offss.glm.module.ejb.sms.jar
hivee\com.offss.glm.module.ejb.fc.jar
[Jar] Building jar: D:\OSDC\OBLM 12.4.0\HostWorkspace\host12.2.1\build\arc
hivee\com.offss.glm.module.ejb.fc.jar
hivee\com.offss.glm.module.ejb.paymenthandoff.jar
[Jar] Building jar: D:\OSDC\OBLM 12.4.0\HostWorkspace\host12.2.1\build\arc
hivee\com.offss.glm.module.ejb.paymenthandoff.jar
hivee\com.offss.glm.module.ejb.liquiditygrp.jar
[Jar] Building jar: D:\OSDC\OBLM 12.4.0\HostWorkspace\host12.2.1\build\arc
hivee\com.offss.glm.module.ejb.liquiditygrp.jar
hivee\com.offss.glm.module.ejb.setup.jar
[Jar] Building jar: D:\OSDC\OBLM 12.4.0\HostWorkspace\host12.2.1\build\arc
hivee\com.offss.glm.module.ejb.setup.jar
hivee\com.offss.glm.module.ejb.structuremanagement.jar
[Jar] Building jar: D:\OSDC\OBLM 12.4.0\HostWorkspace\host12.2.1\build\arc
hivee\com.offss.glm.module.ejb.structuremanagement.jar
hivee\com.offss.glm.module.ejb.sweep.jar
[Jar] Building jar: D:\OSDC\OBLM 12.4.0\HostWorkspace\host12.2.1\build\arc
hivee\com.offss.glm.module.ejb.sweep.jar
hivee\com.offss.glm.module.ejb.batch.jar
[Jar] Building jar: D:\OSDC\OBLM 12.4.0\HostWorkspace\host12.2.1\build\arc
hivee\com.offss.glm.module.ejb.batch.jar
hivee\com.offss.glm.module.ejb.pool.jar
[Jar] Building jar: D:\OSDC\OBLM 12.4.0\HostWorkspace\host12.2.1\build\arc
hivee\com.offss.glm.module.ejb.pool.jar
hivee\com.offss.glm.module.ejb.eod.jar
[Jar] Building jar: D:\OSDC\OBLM 12.4.0\HostWorkspace\host12.2.1\build\arc
hivee\com.offss.glm.module.ejb.eod.jar
hivee\com.offss.glm.app.client.proxy.war
[War] Building war: D:\OSDC\OBLM 12.4.0\HostWorkspace\host12.2.1\build\arc
hivee\com.offss.glm.app.client.proxy.war
echo! car build successfully
copy: [copy] Copying 2 files to D:\OSDC\OBLM 12.4.0\UIReleasedArea\host
copy: [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

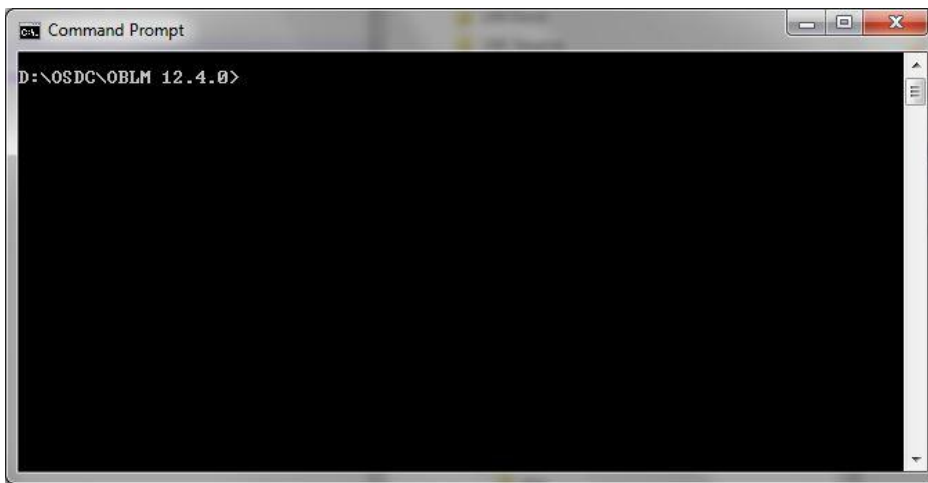
```
1 #Wed Apr 08 12:14:57 IST 2017
2
3 install.dir=C:\Oracle\Middleware\Oracle_Home
4 domain.path=\\scratch\Oracle_Home\user_projects\domains\oblm_domain
5 domain.name=OBLM_domain
6 host=10.184.157.221
7 port=8005
8
9 wls.ui.url=t3://10.184.157.221:8001
10 wls.ui.server.name=LM_SERVER
11 wls.ui.deploy.name=AAGLMSHELL-1
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

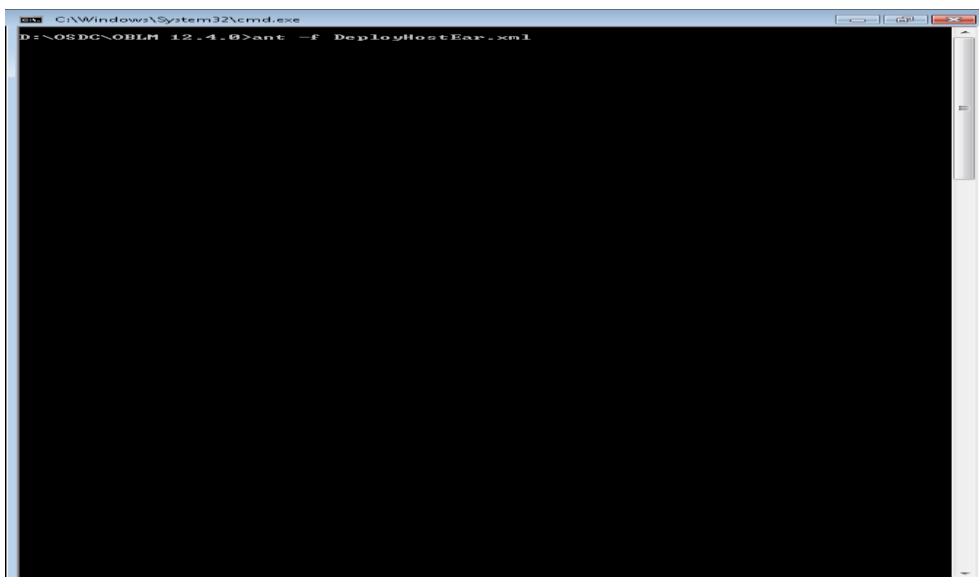
Define remaining properties as mentioned in above screen shot.

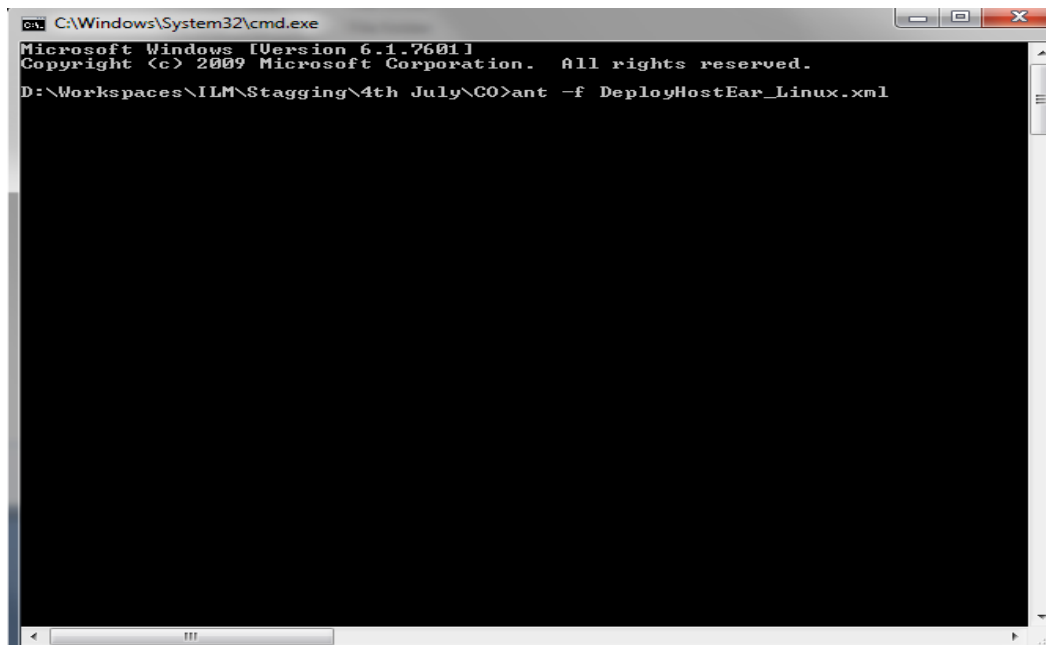
2. Open the Command prompt and Point it to the OSDC package location



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
Microsoft Windows [Version 6.1.7601]
Copyright (c) 2009 Microsoft Corporation. All rights reserved.

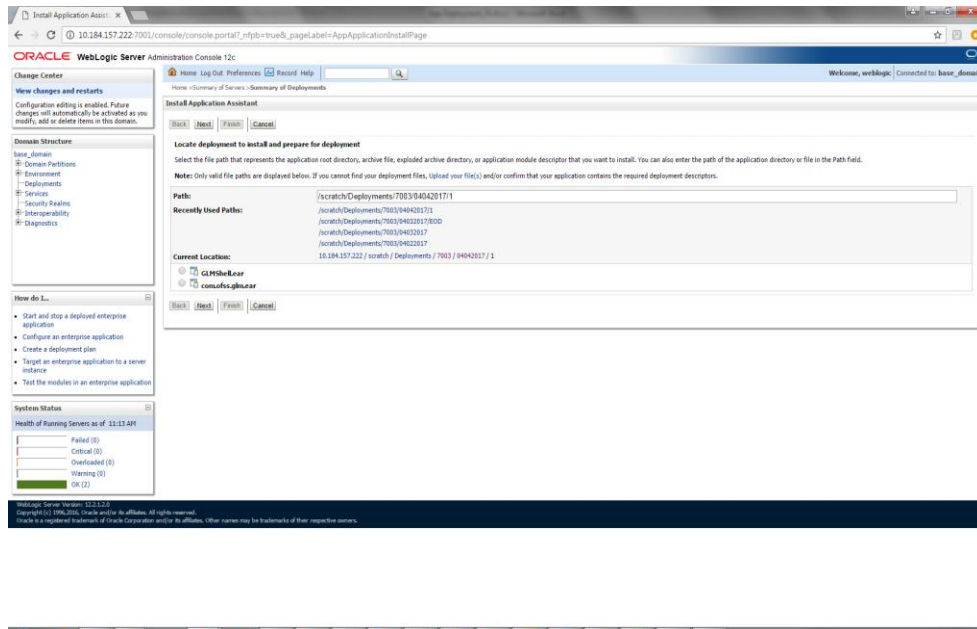
D:\Workspaces\ILM\Stagging\4th July\CO>ant -f DeployHostEar_Linux.xml
```

1.2.5.2 Manual Deployment:

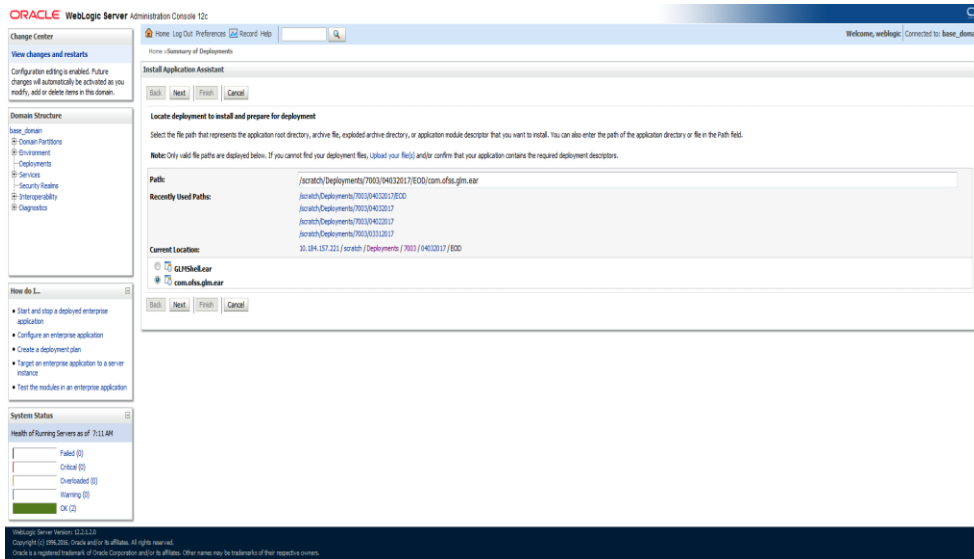
For Manual Deployment, Ear (Enterprise Application aRchive) file can be deployed either from Local Machine or from server where Weblogic Server is installed, In case if deployment needs to be done from server then use FTP/SFTP client for Windows in order to move the Ear file to the server and do the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

1.2.5.2.1 CHANNEL EAR Deployment

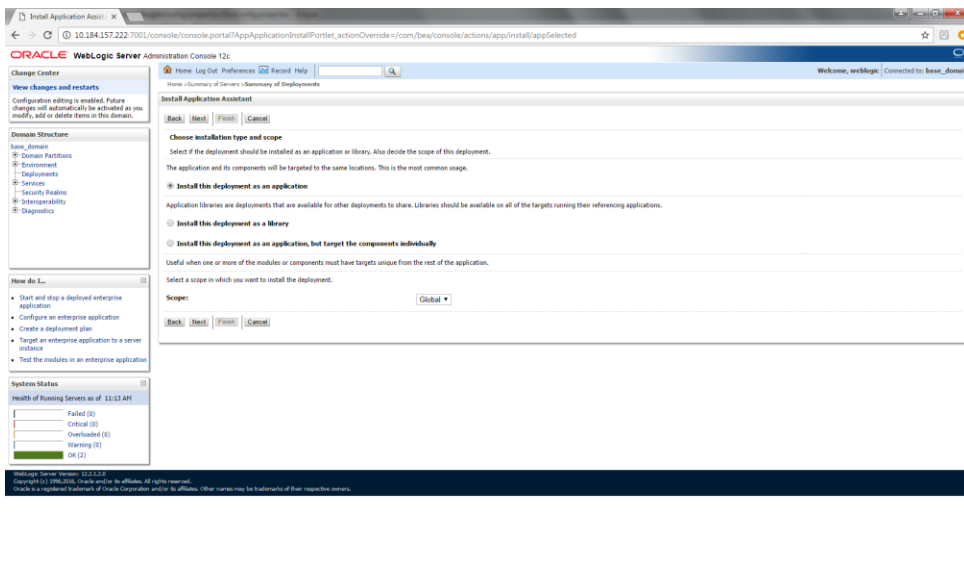
1. Click on **Install** and go to the Drive Location where the EAR files are kept.



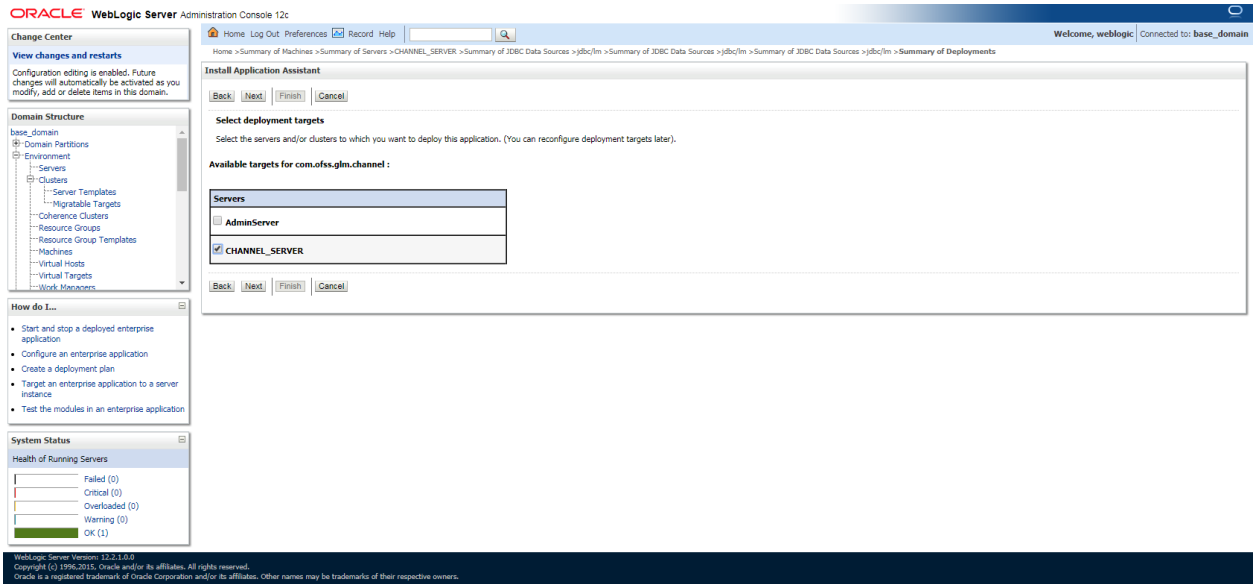
2. Select the Host EAR File **com.ofss.glm.channel.ear** and click on **Next**



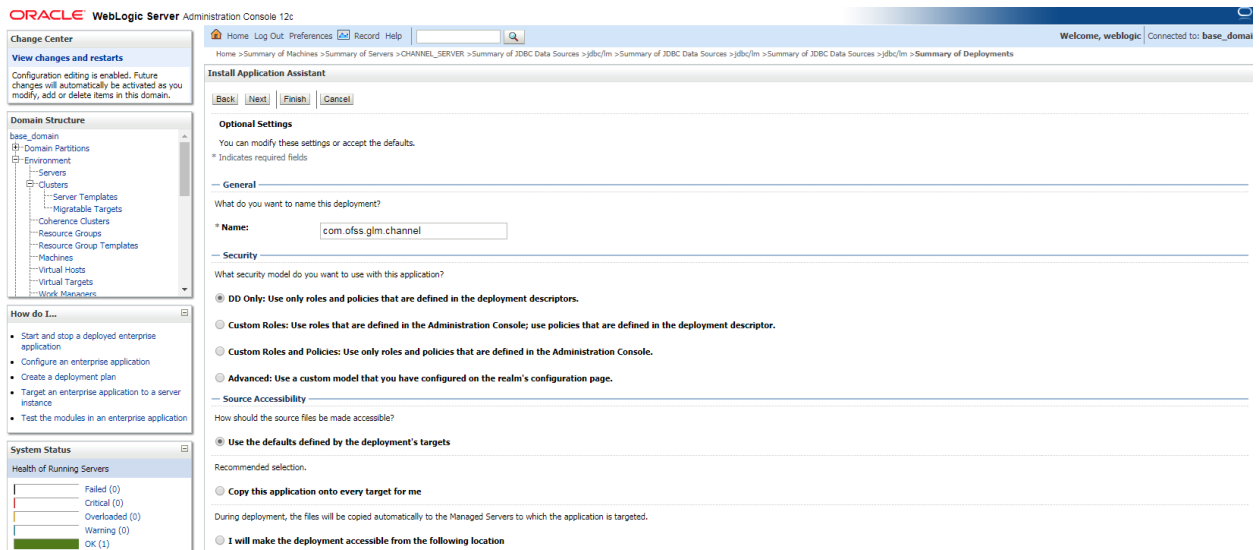
3. Click on **Next**



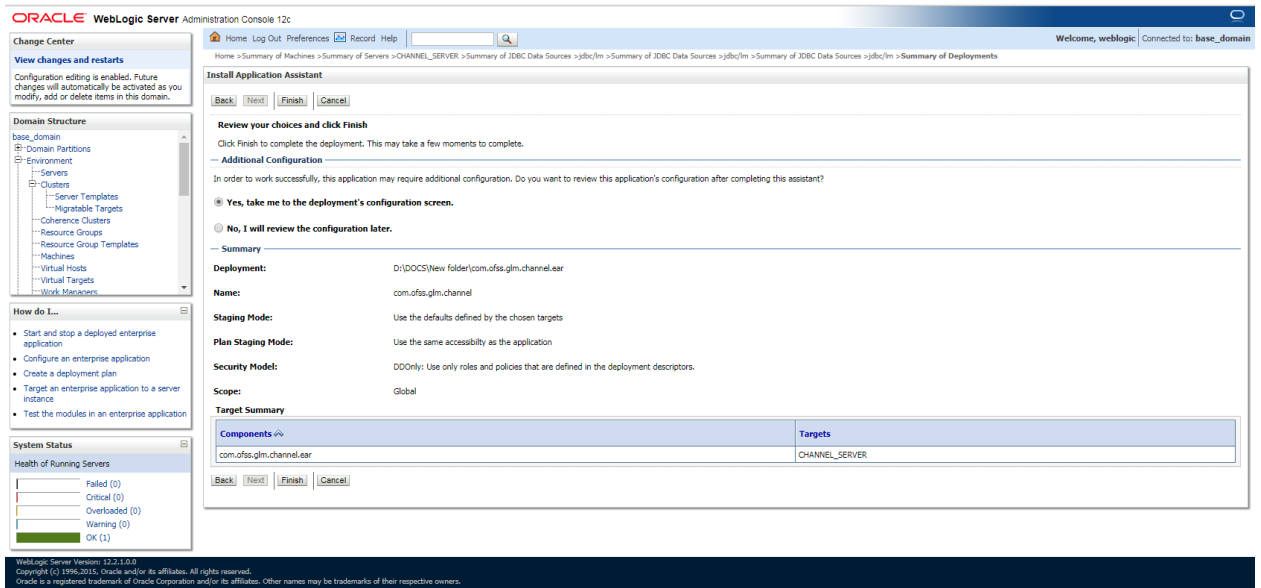
4. Select the target Server For example: **ITR2**



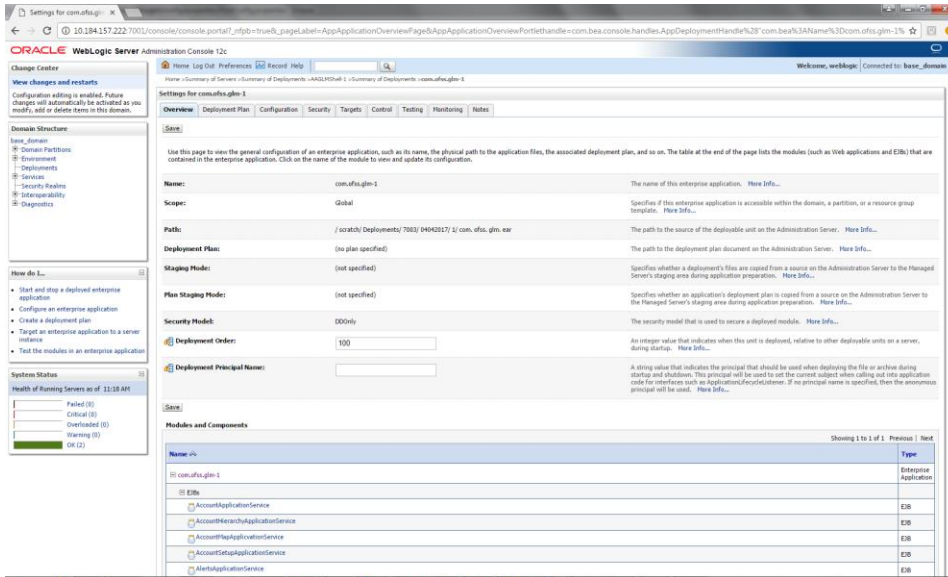
5. Select Name for the deployment file For Example: “**com.ofss.glm.channel**” and click on **Next**



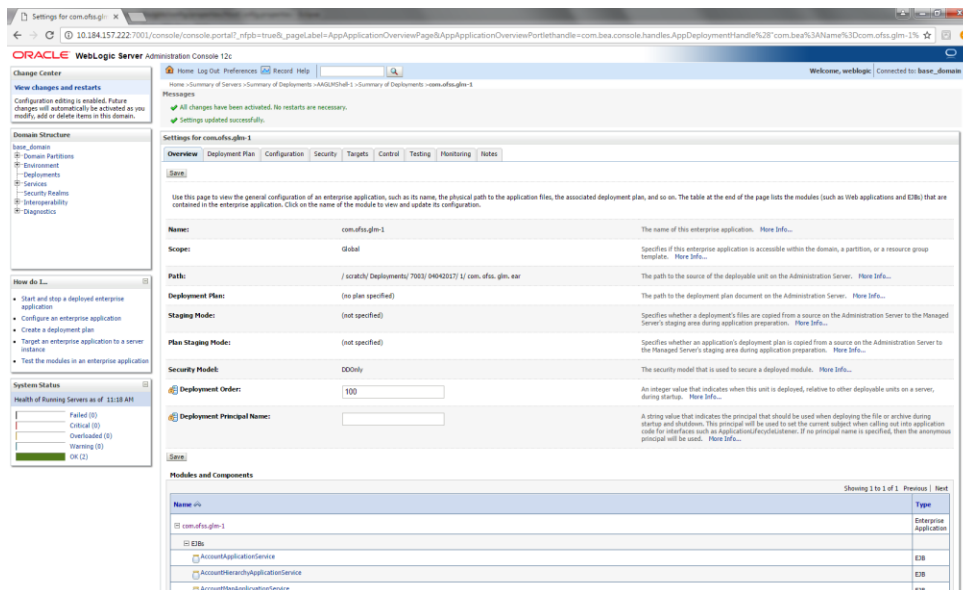
6. Click on **Finish**.



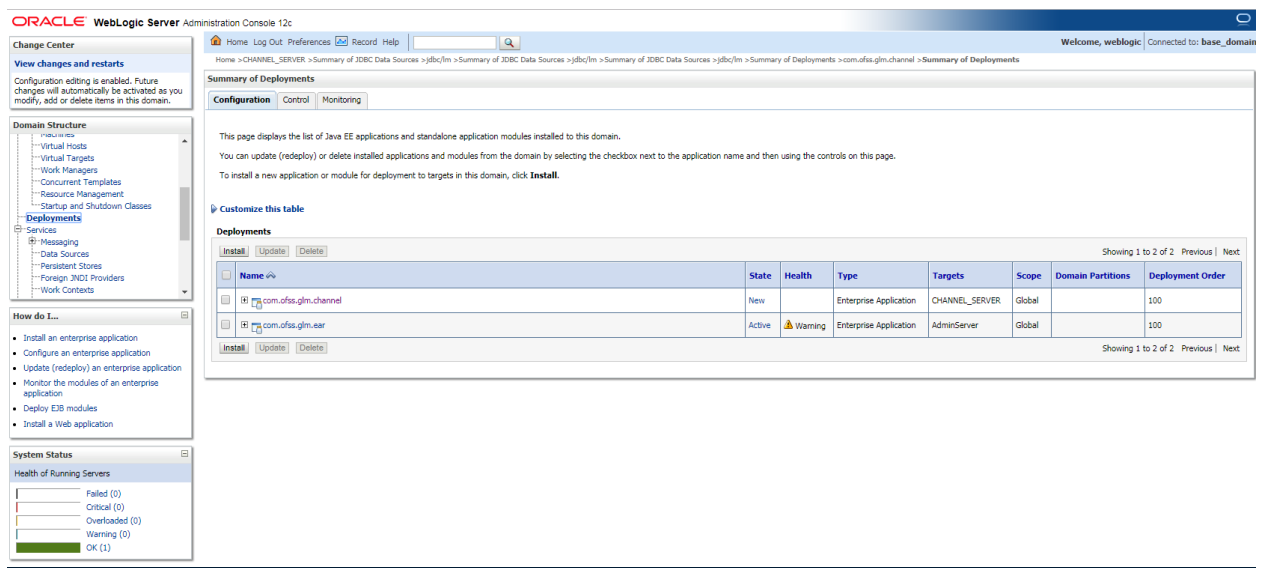
7. Click on **Save**



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)

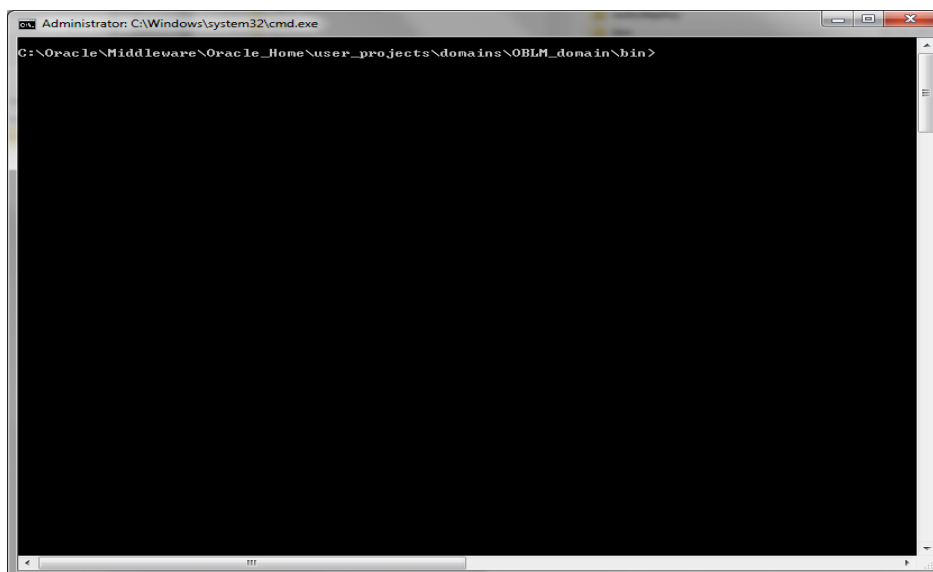
```
<security-configuration>
  <name>base_domain</name>
  <enforce-valid-basic-auth-credentials>false</enforce-valid-basic-auth-credentials>
</security-configuration>
```

```

    <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}GBU3TOH0RbLHfh0pvnUwvI395Ss3Z0KYojybruFpZi0S/I5oP67l2hvhmbrKTV5St/n6b1oQ0GUToQZKmAJq7bbky/n50Zml
<node-manager-username>weblogic</node-manager-username>
<node-manager-password-encrypted>{AES}DQiNZXZ5AywWquUEu+OoZfQ72ANjOfq1lBIwxiGpX7I=</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\MIDDLE_T\ORACLE\1\USER_P1\domains\OBLM_D\1\NODEMGR_1
CLASSPATH:.;C:\PROGRA~1\Java\JDK18\1\bin\tools.jar;C:\Oracle\MIDDLE_T\ORACLE\1\userserver\server\lib\weblogic.jar;C:\Oracle\MIDDLE_T\ORACLE\1\userserver\modules\features\oracle\ols\common\nodemanager.jar;

C:\Oracle\MIDDLE_T\ORACLE\1\USER_P1\domains\OBLM_D\1\NODEMGR_1>C:\PROGRA~1\Java\JDK18\1\bin\java.exe -ser
C:\Oracle\MIDDLE_T\ORACLE\1\userlogic\RootDirectory\C:\Oracle\MIDDLE_T\ORACLE\1\USER_P1\domains\OBLM_P1
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: File Name: C:\Oracle\MiddleWare\Oracle_Home\user_p
Aug 2, 2017 5:51:51 PM IST <INFO> Loaded NodeManager configuration properties from 'C:\Oracle\MIDDLE_T\ORACLE
Node manager v12.2.1

Configuration settings:

DomainsFile=C:\Oracle\MiddleWare\Oracle_Home\user_projects\domains\OBLM_domain\nodemanager\nodemanager.domains
LogInit=0
DomainIsRemoteSharingEnabled=false
AuthenticationEnabled=true
LogLevel=INFO
DomainsFileEnabled=true
ListenAddress=localhost
NativeVersionEnabled=true
ProcessDestroyTimeout=20000
ListenPort=5556
LogListeners=true
weblogic.StartScriptName=startWebLogic.cmd
SecureListener=true
LogCount=1
LogAppend=true
weblogic.StopScriptEnabled=false
StateCheckInterval=500
CrashRecoveryEnabled=false
weblogic.StartScriptEnabled=true
File=C:\Oracle\MiddleWare\Oracle_Home\user_projects\domains\OBLM_domain\nodemanager\nodemanager.log
LogFormatter=weblogic.nodemanager.server.LogFormatter
coherence.StartScriptEnabled=false
ListenBacklog=50
NodeManagerHome=C:\Oracle\MiddleWare\Oracle_Home\user_projects\domains\OBLM_domain\nodemanager
weblogic.startup.JavaHome=C:\PROGRA~1\Java\JDK18\1\0_1
weblogic.startup.MW_Home=
coherence.startup.JavaHome=C:\PROGRA~1\Java\JDK18\1\0_1
coherence.startup.MW_Home=

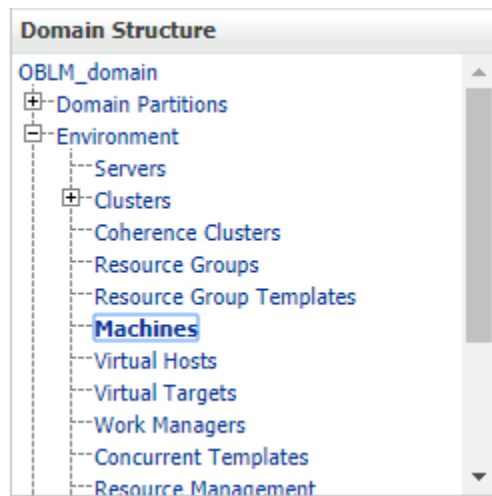
Domain name mappings:

OBLM_domain -> C:\Oracle\MiddleWare\Oracle_Home\user_projects\domains\OBLM_domain

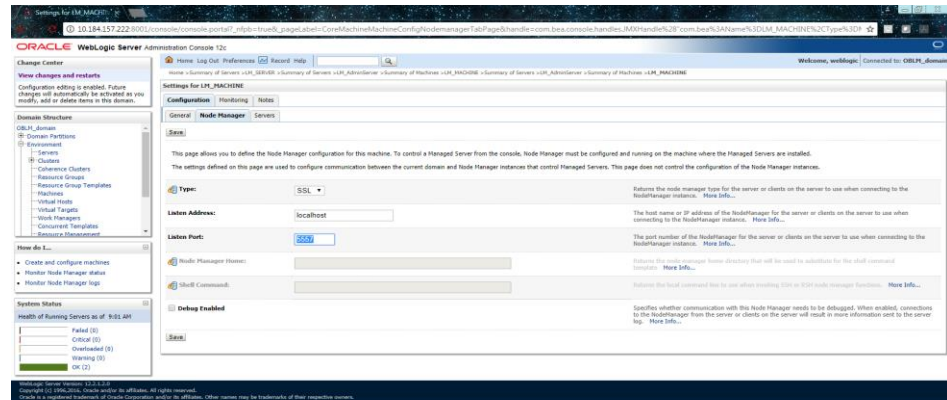
Aug 2, 2017 5:51:51 PM IST <INFO> (12.2.1.0.0)
Aug 2, 2017 5:51:51 PM IST <INFO> Secure socket listener started on port 5556, host localhost/127.0.0.1
```

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,

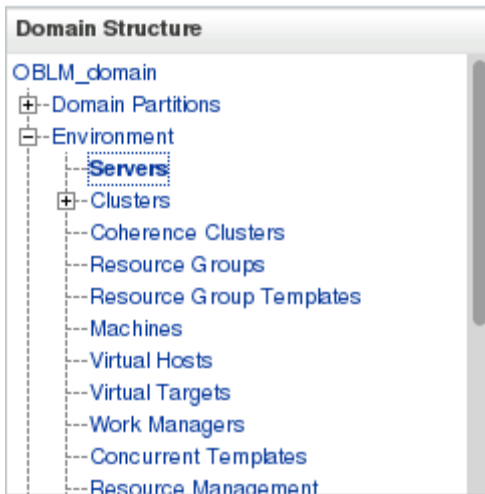
ListenPort=5557

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 left sidebar contains the Domain Structure tree with 'Servers' highlighted under the 'Environment' node. The main content area is titled 'Summary of Servers' and has two tabs: 'Configuration' and 'Control'. The 'Control' tab is active, displaying a table of servers. The table has columns for 'Server', 'Machine', 'State', and 'Status of Last Action'. The 'CHANNEL_SERVER' is selected, and its state is 'SHUTDOWN'. The 'Start' button is visible for this server.

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

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

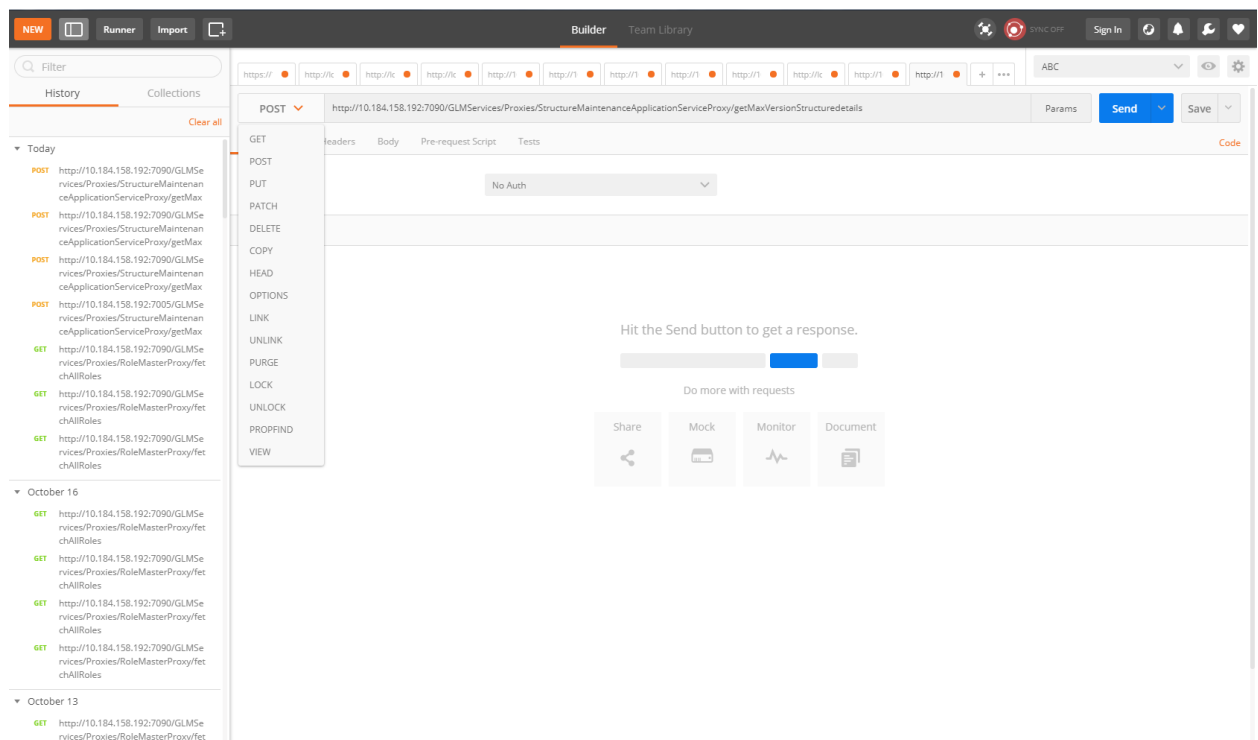
5. Wait till the Server State change to **RUNNING**

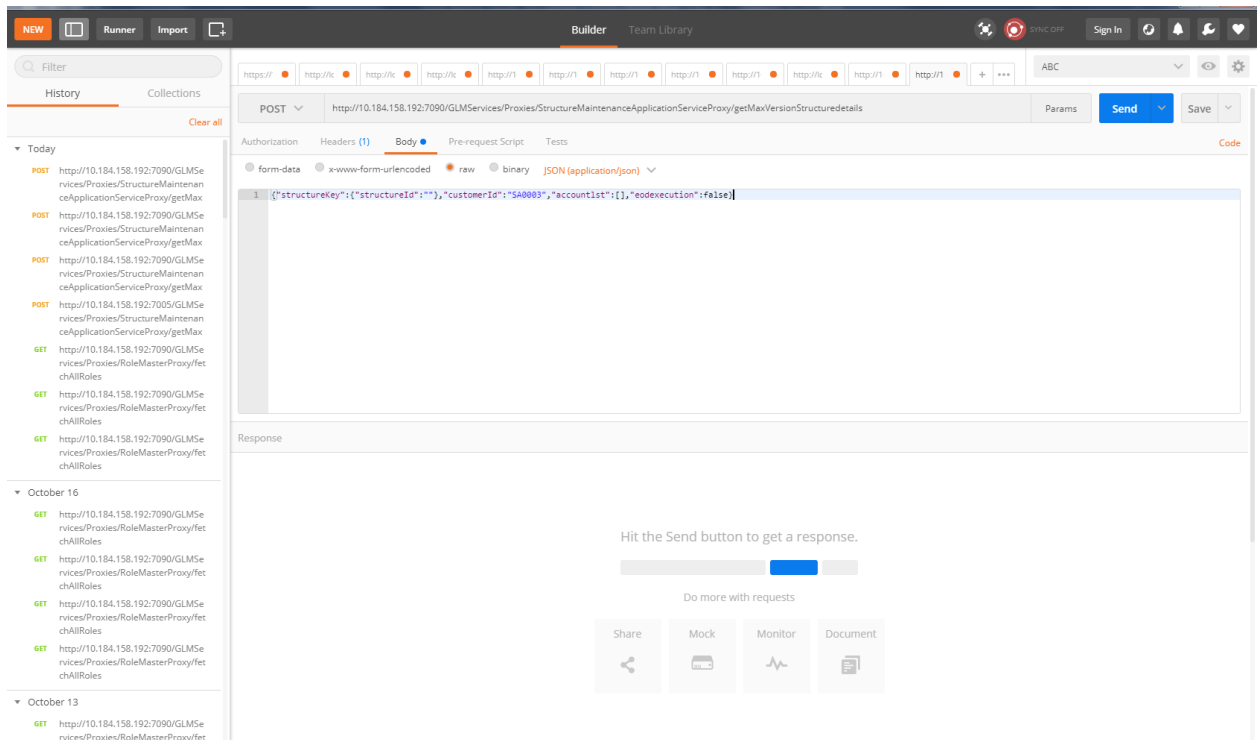
1.2.7 Configure SSL

To Configure SSL, Please refer to the SSL Configuration Manual
([Oracle_Banking_Liquidity_Management_12 4 0 0 0_SSL_Configuration.pdf](#))

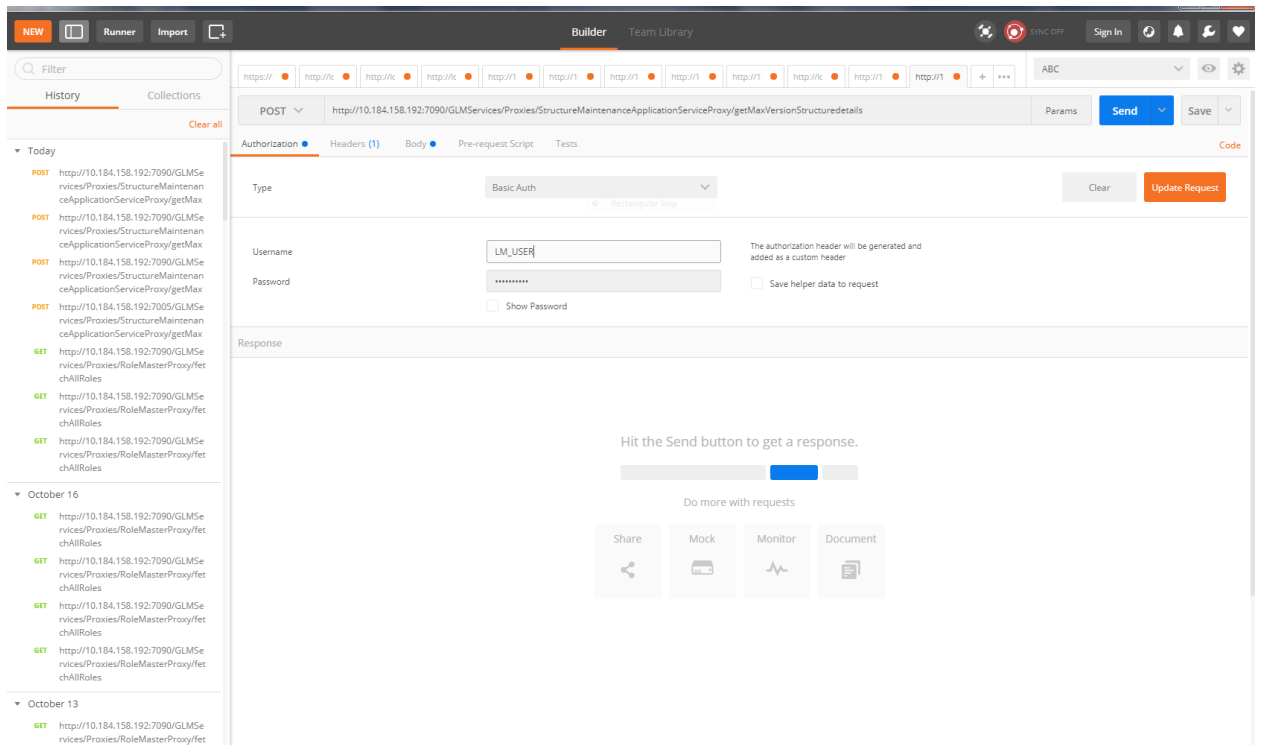
1.2.8 Test Channel Setup

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

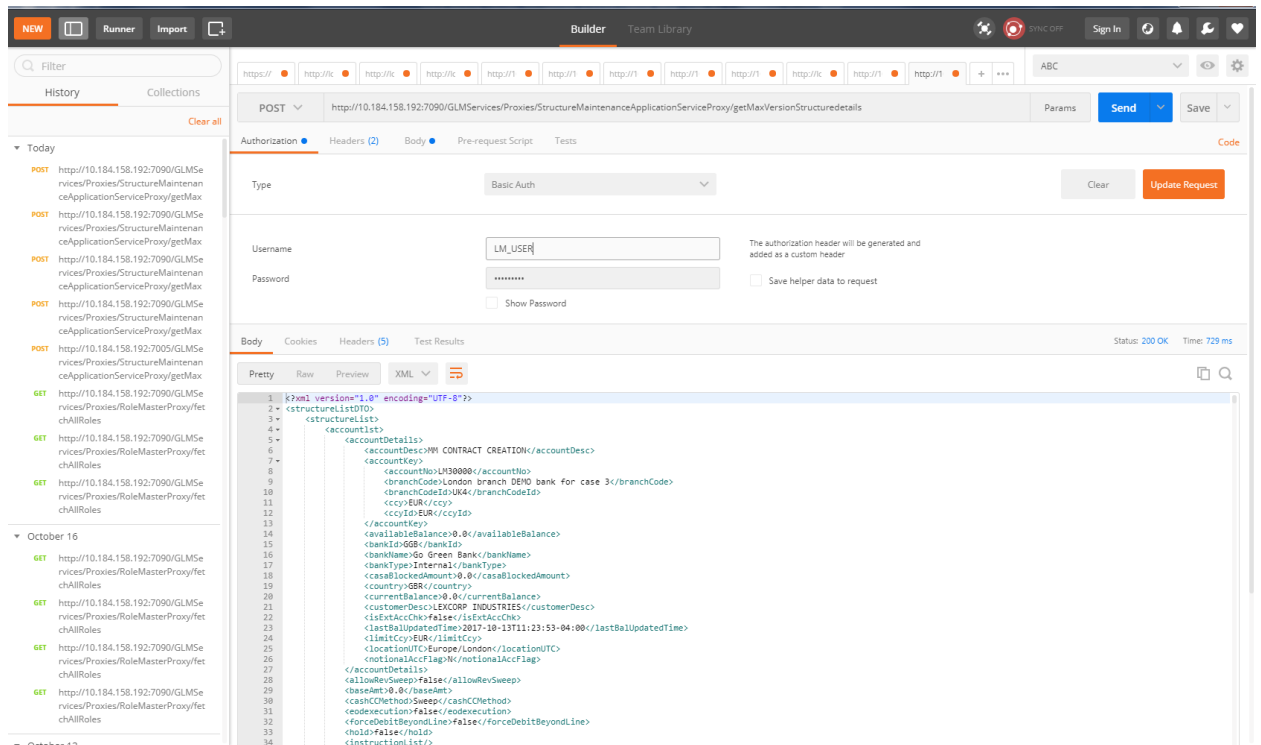




2, Enter the user credentials in Authorization section and click the send button.



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



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

NEW

Runner

Import

BuilderTeam Library

STING OFF

Sign In

Filter

HistoryCollections

Clear all

Today

POST

http://10.184.158.192:7090/GLMSe

rvices/Proxies/StructureMaintenan

ceApplicationServiceProxy/getMax

POST

http://10.184.158.192:7090/GLMSe

rvices/Proxies/StructureMaintenan

ceApplicationServiceProxy/getMax

POST

http://10.184.158.192:7090/GLMSe

rvices/Proxies/StructureMaintenan

ceApplicationServiceProxy/getMax

POST

http://10.184.158.192:7090/GLMSe

rvices/Proxies/StructureMaintenan

ceApplicationServiceProxy/getMax

POST

http://10.184.158.192:7090/GLMSe

rvices/Proxies/StructureMaintenan

ceApplicationServiceProxy/getMax

POST

http://10.184.158.192:7090/GLMSe

rvices/Proxies/StructureMaintenan

ceApplicationServiceProxy/getMax

POST

http://10.184.158.192:7090/GLMSe

rvices/Proxies/StructureMaintenan

ceApplicationServiceProxy/getMax

POST

http://10.184.158.192:7090/GLMSe

rvices/Proxies/StructureMaintenan

ceApplicationServiceProxy/getMax

GET

http://10.184.158.192:7090/GLMSe

rvices/Proxies/RoleMasterProxy/fet

chAllRoles

GET

http://10.184.158.192:7090/GLMSe

rvices/Proxies/RoleMasterProxy/fet

chAllRoles

GET

http://10.184.158.192:7090/GLMSe

rvices/Proxies/RoleMasterProxy/fet

chAllRoles

October 16

GET

http://10.184.158.192:7090/GLMSe

rvices/Proxies/RoleMasterProxy/fet

chAllRoles

GET

http://10.184.158.192:7090/GLMSe

rvices/Proxies/RoleMasterProxy/fet

chAllRoles

GET

http://10.184.158.192:7090/GLMSe

rvices/Proxies/RoleMasterProxy/fet

chAllRoles

http://10.184.158.192:7090/GLMSe

rvices/Proxies/StructureMaintenanceApplicationServiceProxy/getMaxVersionStructuredetails

Params

Send

Save

Authorization

Headers (2)

Body

Pre-request Script

Tests

Code

Type

Basic Auth

Clear

Update Request

Username

LM_USER_WRONG

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

Password

☐ Save helper data to request

☐ Show Password

Body

Cookies

Headers (4)

Test Results

Status: 401 Unauthorized

Time: 136 ms

Pretty

Raw

Preview

Text

1



Liquidity Management Channel Setup
Oracle Banking Liquidity Management
Version 14.0.0.0.0
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