

Toplink IBM Websphere Setup  
Oracle Banking Enterprise Limits and  
Collateral Management

Release 14.5.0.0.0

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# 1. Introduction

## 1.1 Background

This document describes the steps to download & install TopLink 12c (12.1.3) and to configure the system to implement JPA 2.0 using TopLink for persistence with IBM WebSphere Application Server.

This document will be base-lined after completing the review by peers & experts. The review comments will be incorporated before the document is base-lined.

The audience for this document will be the development groups of FLEXCUBE UBS.

## 1.2 Organization of the Document

The first chapter of this document gives an introduction with brief background and organization of the document.

Chapter two onwards describes the steps to download, install & configure TopLink 12c.

## 1.3 References

<https://docs.oracle.com/middleware/1213/toplink/solutions/websphere.htm#TLADG736>

## 2. Downloading TopLink 12c

Download TopLink from:

<http://www.oracle.com/technetwork/middleware/toplink/downloads/index.html>

plink/downloads/index.html

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### Oracle TopLink Software Downloads

Oracle TopLink 12c (12.1.3) is now available for download.  
Downloads include the complete Oracle TopLink product in a platform independent format.  
You must accept the OTN License Agreement to download this software.  
[Accept License Agreement](#) [Decline License Agreement](#)

- Oracle TopLink 12c (12.1.3)
  - TopLink 12.1.3 Installer (83 MB, self extracting jar)
  - See the TopLink 12.1.3 Solutions Guide for installation instructions.
- Oracle TopLink 12c (12.1.2)
  - TopLink 12.1.2 Installer (80 MB, self extracting jar)
  - See the TopLink 12.1.2 Solutions Guide for installation instructions.
- Oracle TopLink 12c (12.1.1)
  - toplink.zip (25 MB)
- Oracle TopLink 11g Release 1 (11.1.1.6.0)
  - toplink\_en.zip (57 MB)
  - toplink.zip (125 MB)
- Oracle TopLink 11g Release 1 (11.1.1.5.0)
  - toplink\_en.zip (56,255,989 bytes)

#### Popular Downloads

- Berkeley DB
- Enterprise Manager
- Database EE and XE
- Developer VMs
- Enterprise Pack for Eclipse
- Java
- JDeveloper and ADF
- Oracle Linux and Oracle VM
- MySQL
- NetBeans IDE
- NoSQL Database
- Solaris
- SQL Developer
- VirtualBox
- WebLogic Server

#### More Middleware Downloads

- VM Templates for Middleware

Oracle Cloud  
Get Started  
ORACLE CLOUD

### 3. Installing TopLink 12c

- Open command prompt as administrator
- Set path variable with JDK 7
- Run the following command to run the installer:

```
'java -jar <downloaded path>\toplink_quick_121300.jar'
```

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

C:\windows\system32>cd
D:\>cd toplink
D:\toplink>set path=%path%;D:\ELCM\jdk1.7.75\bin;
D:\toplink>java -jar d:\toplinkjar\toplink_quick_121300.jar
Launcher log file is C:\Users\snaren\AppData\Local\Temp\OraInstall12015-11-19_05-46-57PM\launcher2015-11-19_05-46-57PM.log
Extracting Files.....
Starting Oracle Universal Installer

Checking if CPU speed is above 300 MHz.   Actual 2527   Passed
Checking swap space: must be greater than 512 MB   Passed
Checking if this platform requires a 64-bit JVM.   Actual 64   Passed (64-bit not required)

Preparing to launch the Oracle Universal Installer from C:\Users\snaren\AppData\Local\Temp\OraInstall12015-11-19_05-46-57PM
Log: C:\Users\snaren\AppData\Local\Temp\OraInstall12015-11-19_05-46-57PM\install12015-11-19_05-46-57PM.log
Copyright (c) 1996, 2014, Oracle and/or its affiliates. All rights reserved.
Starting check : CertifiedVersions
Expected result: One of 6.0.6.1.6.2
Actual Result: 6.1
Check complete. The overall result of this check is: Passed
CertifiedVersions Check: Success.
Starting check : CheckJDKVersion
Expected result: 1.7.0_15
Actual Result: 1.8.0
Check complete. The overall result of this check is: Passed
CheckJDKVersion Check: Success.
Validations are enabled for this session.
Verifying data.....
Copying Files...
You can find the log of this install session at:
C:\Users\snaren\AppData\Local\Temp\OraInstall12015-11-19_05-46-57PM\install12015-11-19_05-46-57PM.log
-----20%-----40%-----60%-----80%-----100%

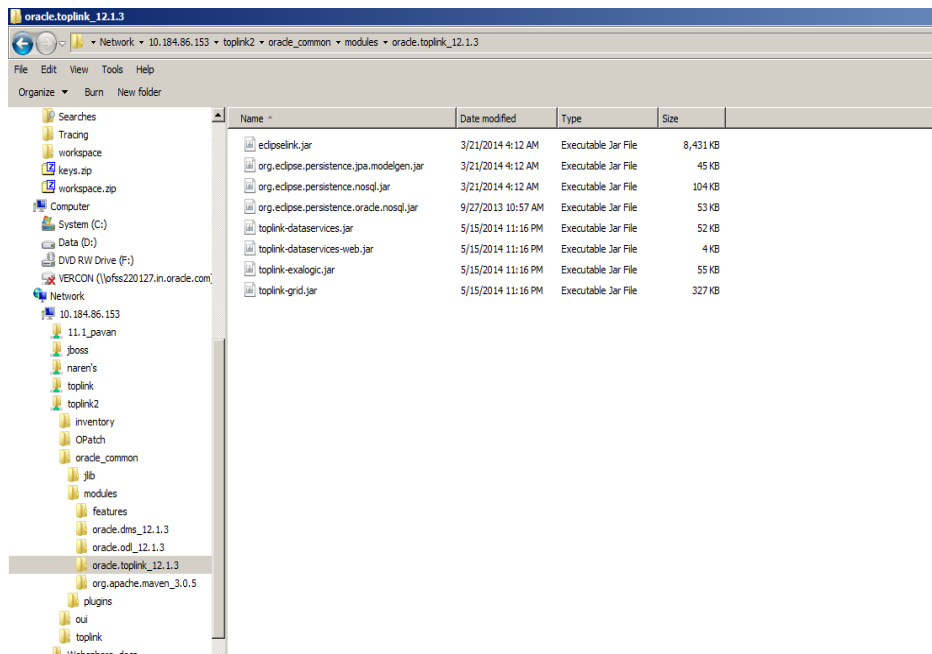
The installation of TopLink Quick 12.1.3.0.0 completed successfully.
Java HotSpot(TM) 64-Bit Server VM warning: ignoring option MaxPermSize=512m; support was removed in 8.0
Logs successfully copied to C:\Program Files (x86)\Oracle\Inventory\logs.
```

## 4. Configuring TopLink 12c

Create a global shared library containing the following file:

- a) eclipselink.jar

Find this file in the  
'TOPLINK\_INSTALLATION\oracle\_common\modules\oracle.toplink\_ver\_no' directory created  
by the TopLink quick installer.



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## **5. Package EclipseLink in the Application EAR**

- Add eclipselink.jar to the application EAR in the following location : EAR\_archive/APP-INF/lib/
- Deploy and start the application



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