

Toplink IBM Websphere Setup
Oracle Banking Corporate Lending
Release 14.5.3.0.0
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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>

The screenshot shows the Oracle TopLink Software Downloads page. The page has a navigation bar with the Oracle logo and links for Account, Sign Out, Help, Country, Communities, I am a..., I want to..., and a Search box. Below the navigation bar is a breadcrumb trail: Oracle Technology Network > Middleware > TopLink > Downloads. The main content area is titled "Oracle TopLink Software Downloads" and contains a red-bordered box with the following text: "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]". Below this box is a list of downloads:

- ☐ 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)

On the right side of the page, there is a "Popular Downloads" section with links to 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, and WebLogic Server. Below this is a "More Middleware Downloads" section with a link to VM Templates for Middleware. At the bottom right, there is an "Oracle Cloud" button with a "Get Started" link.

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 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%

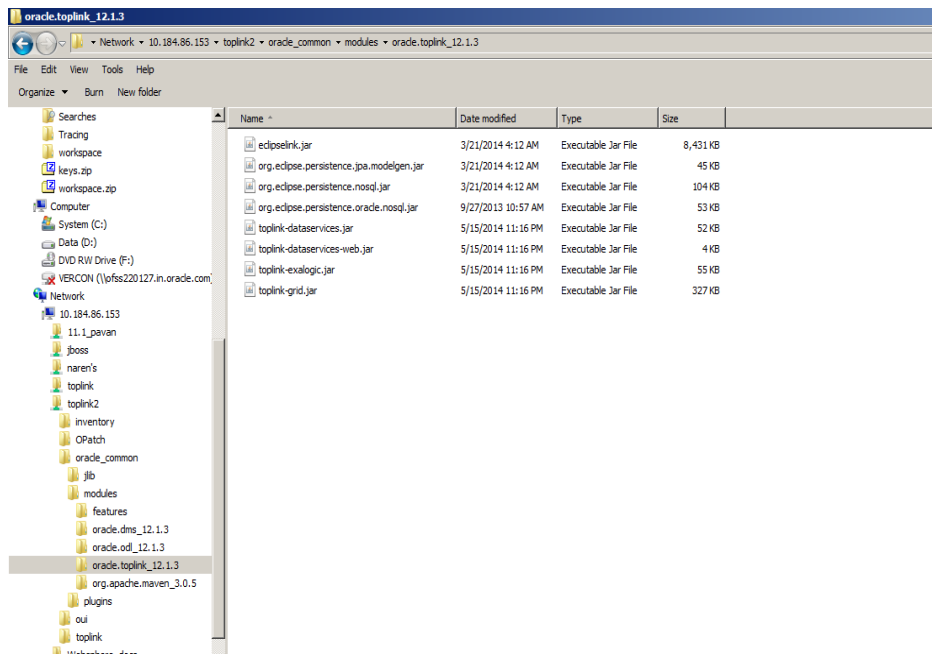
The installation of TopLink Quick 12.1.3.0.0 completed successfully.
Java HotSpot(TM) 64-Bit Server VM warning: ignoring option MaxPermSize=512m; support was removed in 8.0
Logs successfully copied to C:\Program Files (x86)\Oracle\Inventory\logs.
```

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.



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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Oracle Financial Services Software Limited
Oracle Park
Off Western Express Highway
Goregaon (East)
Mumbai, Maharashtra 400 063
India

Worldwide Inquiries:
Phone: +91 22 6718 3000
Fax: +91 22 6718 3001
<https://www.oracle.com/industries/financial-services/index.html>

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