

# **Oracle® Tuxedo® Mainframe Adapter for TCP**

Release Notes

12c Release 1 (12.1.1)

August 2012

**ORACLE®**

Copyright © 2007, 2012, Oracle and/or its affiliates. All rights reserved.

This software and related documentation are provided under a license agreement containing restrictions on use and disclosure and are protected by intellectual property laws. Except as expressly permitted in your license agreement or allowed by law, you may not use, copy, reproduce, translate, broadcast, modify, license, transmit, distribute, exhibit, perform, publish, or display any part, in any form, or by any means. Reverse engineering, disassembly, or decompilation of this software, unless required by law for interoperability, is prohibited.

The information contained herein is subject to change without notice and is not warranted to be error-free. If you find any errors, please report them to us in writing.

If this is software or related documentation that is delivered to the U.S. Government or anyone licensing it on behalf of the U.S. Government, the following notice is applicable:

U.S. GOVERNMENT END USERS: Oracle programs, including any operating system, integrated software, any programs installed on the hardware, and/or documentation, delivered to U.S. Government end users are "commercial computer software" pursuant to the applicable Federal Acquisition Regulation and agency-specific supplemental regulations. As such, use, duplication, disclosure, modification, and adaptation of the programs, including any operating system, integrated software, any programs installed on the hardware, and/or documentation, shall be subject to license terms and license restrictions applicable to the programs. No other rights are granted to the U.S. Government.

This software or hardware is developed for general use in a variety of information management applications. It is not developed or intended for use in any inherently dangerous applications, including applications that may create a risk of personal injury. If you use this software or hardware in dangerous applications, then you shall be responsible to take all appropriate fail-safe, backup, redundancy, and other measures to ensure its safe use. Oracle Corporation and its affiliates disclaim any liability for any damages caused by use of this software or hardware in dangerous applications.

Oracle and Java are registered trademarks of Oracle and/or its affiliates. Other names may be trademarks of their respective owners.

This software or hardware and documentation may provide access to or information on content, products, and services from third parties. Oracle Corporation and its affiliates are not responsible for and expressly disclaim all warranties of any kind with respect to third-party content, products, and services. Oracle Corporation and its affiliates will not be responsible for any loss, costs, or damages incurred due to your access to or use of third-party content, products, or services.

# Contents

## Oracle Tuxedo Mainframe Adapter for TCP Release Notes

About Oracle Oracle Tuxedo Mainframe Adapter for TCP 12c Release 1 . . . . .	1
What's New. . . . .	1
Oracle Oracle Tuxedo Mainframe Adapter for TCP Platform Support. . . . .	2
Minimum Hardware Requirements . . . . .	2
Oracle Oracle Tuxedo Mainframe Adapter for TCP Software Requirements. . . . .	2
Oracle Oracle Tuxedo Mainframe Adapter for TCP Supported Stacks . . . . .	2
Oracle TMA TCP for IMS . . . . .	3
Oracle TMA TCP for CICS . . . . .	3
Upgrading from eLink TCP 3.x . . . . .	3
Upgrading from eLink TCP 3.x to Support Data-dependent Routing . . . . .	3
Known Problems . . . . .	4
Fixed Problems . . . . .	5



# Oracle Tuxedo Mainframe Adapter for TCP Release Notes

The following topics are discussed in this document.

- [About Oracle Oracle Tuxedo Mainframe Adapter for TCP 12c Release 1](#)
- [Oracle Oracle Tuxedo Mainframe Adapter for TCP Platform Support](#)
- [Minimum Hardware Requirements](#)
- [Oracle Oracle Tuxedo Mainframe Adapter for TCP Software Requirements](#)
- [Upgrading from eLink TCP 3.x](#)
- [Known Problems](#)
- [Fixed Problems](#)

## About Oracle Oracle Tuxedo Mainframe Adapter for TCP 12c Release 1

Oracle Tuxedo Mainframe Adapter for TCP 12c Release 1 provides Oracle Tuxedo applications transparent non-transactional, request-response connectivity to mainframe-based applications.

### What's New

The following new features are available in this version of the Oracle Tuxedo Mainframe Adapter for TCP product:

- Support for Tuxedo 12c Release 1 (12.1.1)
- Support for 64-bit UNIX / Linux platforms

## Oracle Oracle Tuxedo Mainframe Adapter for TCP Platform Support

Oracle Oracle Tuxedo Mainframe Adapter for TCP 12cR1 is supported for the following platforms:

**Table 1 TMA for TCP Supported Platforms**

Platform
AIX 6.1 (64-bit) on Power
OEL Linux 5 (64-bit) on x86
Solaris 10 (64-bit) on SPARC

## Minimum Hardware Requirements

This section describes the minimum hardware requirements for the Oracle TMA TCP product.

- An S/390 processor capable of supporting the required software products listed in the section “Oracle Oracle Tuxedo Mainframe Adapter for TCP Software Requirements.”
- TCP/IP network connectivity

## Oracle Oracle Tuxedo Mainframe Adapter for TCP Software Requirements

This section describes the minimum software requirements for the Oracle TMA TCP 12cR1.

### Oracle Oracle Tuxedo Mainframe Adapter for TCP Supported Stacks

Oracle Oracle Tuxedo Mainframe Adapter for TCP is designed to work with IBM TCP for MVS stack product. Use the version that is provided with z/OS.

## Oracle TMA TCP for IMS

The following software runs with Oracle TMA TCP for IMS:

- IBM IMS/TM 9, 10, 11
- IBM z/OS 1.10, 1.11

## Oracle TMA TCP for CICS

The following software runs with Oracle TMA TCP for CICS:

- IBM CICS TS 3.1, 3.2
- TCP/IP for MVS Version 3.1, 3.2 with CICS Socket Interface
- C/370 Runtime Library Version 2.1 or higher
- IBM z/OS 1.10, 1.11

## Upgrading from eLink TCP 3.x

If you are upgrading to Oracle Tuxedo Mainframe Adapter for TCP 12cR1 from eLink TCP 3.x, perform a new installation of the product. You will need to edit the `UBBCONFIG`, `DMCONFIG`, and `GWICONFIG` files. Refer to configuration information in the [Oracle Tuxedo Mainframe Adapter for TCP Online Documentation](#).

**Note:** Make certain you have already installed Tuxedo 12cR1 (12.1.1), which requires you to set up a new directory for the installation.

## Upgrading from eLink TCP 3.x to Support Data-dependent Routing

To support the data-dependent routing, some additional restrictions were placed on the contents of the `GWICONFIG` file.

In prior releases, no restrictions were placed on the naming of the entries in the `NATIVE` and `FOREIGN` sections of the `GWICONFIG` file. Beginning with the eLink TCP 3.2, each entry in the `NATIVE` section of the `GWICONFIG` files must have a corresponding entry with an identical name in the `DM_LOCAL_DOMAINS` of the `DMCONFIG` file. Each entry in the `FOREIGN` section of the `GWICONFIG` file must have a corresponding entry with an identical name in the `DM_REMOTE_DOMAINS` section of the `DMCONFIG` file.

Because service routing is now determined by the contents of the DMCONFIG file, services in the LOCAL\_SERVICES section of the GWICONFIG file no longer need to be tied to NATIVE entries in that file. As a result, the NATIVE keyword is no longer valid for entries in the LOCAL\_SERVICES section. Services are now tied to local domains in the DMCONFIG file, by specifying the corresponding LDOM in the service entry in the DM\_LOCAL\_SERVICES section, or by applying default service assignment rules.

For the same reasons, services in the REMOTE\_SERVICES section of the GWICONFIG file no longer need to be tied to FOREIGN entries in that file. As a result, the FOREIGN keyword is no longer valid for entries in the REMOTE\_SERVICES section. Services are now tied to remote domains in the DMCONFIG file, by specifying the corresponding RDOM in the service entry in the DM\_REMOTE\_SERVICES section, or by using a routing statement to specify data-dependent routing, or by applying default service assignment rules. For information about configuring data-dependent routing using the ROUTING command, refer to the Oracle Tuxedo documentation.

## Known Problems

The JCL provided for linking the CICS requester (LNKIBM, LNKINT) may cause problems on some system configurations. In IBM APARs II10227 and PQ19993, it is recommended that when linking with the SEZACMTX and SCEELKED libraries, SEZACMTX be ahead of SCEELKED in the SYSLIB statements, as follows:

```
//SYSLIB      DD ...
//           DD DSN=hlq.SEZACMTX,DISP=SHR
//           DD ...
//           DD DSN=hlq.SCEELKED,DISP=SHR
//           DD ...
```

The JCL provided does not conform to this recommendation. You may need to edit the provided JCL before linking the requester, as shown in the following example of a SYSLIB section:

```
//SYSLIB      DD DSN=CICS.SDFHLOAD,DISP=SHR
//           DD DSN=&TCPLIB,DISP=SHR
//           DD DSN=SYS1.SEZACMTX,DISP=SHR
//           DD DSN=SYS1.SCEELKED,DISP=SHR
```



## Fixed Problems

This section describes known problems from previous releases of Tuxedo Mainframe Adapter for TCP that have been fixed with the current release of the software. The following table lists a bug number for each problem.

Bug Number	Description
14109860	TMA ABEND U4038 ASSERTION FAILED: MCB->INPUT->IOLENGTH > 0
13965091	TCP - ADD PATCHLEVEL ATTRIBUTE WITHIN RELEASE XML ELEMENT OF REGISTRY.XML
13824954	TPELIMIT - A SYSTEM LIMIT HAS BEEN REACHED
10330775	CICS TRANSACTIONS HUNG
10187005	[TMA TCP 9.1]ABEND 0C4 IN MODULE BEATCPI AFTER RECEIVING IMS ERROR MESSAGE

