

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

Release Notes

Release 11gR1 (11.1.1.2.0)

August 2010

**ORACLE®**

---

Tuxedo® Mainframe Adapter for TCP Release Notes, Release 11gR1

Copyright © 2007, 2010, 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 software or related documentation 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 RIGHTS Programs, software, databases, and related documentation and technical data delivered to U.S. Government customers are "commercial computer software" or "commercial technical data" pursuant to the applicable Federal Acquisition Regulation and agency-specific supplemental regulations. As such, the use, duplication, disclosure, modification, and adaptation shall be subject to the restrictions and license terms set forth in the applicable Government contract, and, to the extent applicable by the terms of the Government contract, the additional rights set forth in FAR 52.227-19, Commercial Computer Software License (December 2007). Oracle USA, Inc., 500 Oracle Parkway, Redwood City, CA 94065.

This software 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 which may create a risk of personal injury. If you use this software in dangerous applications, then you shall be responsible to take all appropriate fail-safe, backup, redundancy, and other measures to ensure the safe use of this software. Oracle Corporation and its affiliates disclaim any liability for any damages caused by use of this software in dangerous applications.

Oracle is a registered trademark of Oracle Corporation and/or its affiliates. Other names may be trademarks of their respective owners.

This software 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 11gR1 (11.1.1.2.0) Release Notes

About Oracle Tuxedo Mainframe Adapter for TCP 11gR1 .....	1
What's New .....	1
Oracle Tuxedo Mainframe Adapter for TCP Platform Support .....	2
Minimum Hardware Requirements .....	2
Oracle Tuxedo Mainframe Adapter for TCP Software Requirements .....	3
Oracle Tuxedo Mainframe Adapter for TCP Supported Stacks .....	3
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 .....	4
Known Problems .....	4
Fixed Problems .....	5
.....	5



# Oracle Tuxedo Mainframe Adapter for TCP 11gR1 (11.1.1.2.0) Release Notes

The following topics are discussed in this document.

- [About Oracle Tuxedo Mainframe Adapter for TCP 11gR1](#)
- [Oracle Tuxedo Mainframe Adapter for TCP Platform Support](#)
- [Minimum Hardware Requirements](#)
- [Oracle Tuxedo Mainframe Adapter for TCP Software Requirements](#)
- [Upgrading from eLink TCP 3.x](#)
- [Known Problems](#)
- [Fixed Problems](#)

## About Oracle Tuxedo Mainframe Adapter for TCP 11gR1

Oracle Tuxedo Mainframe Adapter for TCP 11gR1 provides Tuxedo applications transparent non-transactional, request-response connectivity to mainframe-based applications.

### What's New

The following new features are available in Version 11gR1 of the Tuxedo Mainframe Adapter for TCP product:

- Support for Tuxedo 11gR1 (11.1.1.2.0)

- Support for z/OS 1.9

## Oracle Tuxedo Mainframe Adapter for TCP Platform Support

Oracle Tuxedo Mainframe Adapter for TCP 11gR1 is supported for the following platforms:

**Table 1 TMA for TCP Supported Platforms**

Platform
IBM AIX 5.3 (32-bit) on IBM PowerPC
IBM AIX 6.1 (32-bit) on IBM PowerPC
IBM AIX 6.1 (64-bit) on IBM PowerPC
SUSE Linux Enterprise Server 9 (32-bit) x86
Red Hat Enterprise Linux 5.4 (64-bit) x86
Microsoft Windows Server 2008 (32-bit) x86 with VS2008
Oracle Solaris 9 (32-bit) SPARC
Oracle Solaris 10 (32-bit) SPARC
Oracle Solaris 10 (64-bit) SPARC

For more information, see [Oracle Tuxedo Mainframe Adapter for TCP Certified Platform Tables](#).

## 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 Tuxedo Mainframe Adapter for TCP Software Requirements.”
- TCP/IP network connectivity

# Oracle Tuxedo Mainframe Adapter for TCP Software Requirements

This section describes the minimum software requirements for the Oracle TMA TCP 11gR1.

**Note:** Support of TMA on higher releases of z/OS and its subsystems depends on IBM's warranty for the specific upper release's backward compatibility to the release that TMA formally supports. If IBM warrants such backward compatibility to the formally supported release, then the new release can be considered supported.

For more information, see [Oracle Tuxedo Mainframe Adapter for TCP Certified Platform Tables](#).

## Oracle Tuxedo Mainframe Adapter for TCP Supported Stacks

Oracle Tuxedo Mainframe Adapter for TCP is designed to work with IBM TCP for MVS stack product.

### Oracle TMA TCP for IMS

The following software runs with Oracle TMA TCP for IMS:

- IBM IMS/TM 9, 10, 11, 12, 13
- IBM z/OS 1.9, 1.10, 1.11, 1.12, 1.13

### 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 1.9, 1.10, 1.11, 1.12, 1.13

## Upgrading from eLink TCP 3.x

If you are upgrading to Tuxedo Mainframe Adapter for TCP 11gR1 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 8.1 Online Documentation](#).

**Note:** Make certain you have already installed Tuxedo 11gR1 (11.1.1.2.0), 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 `LDM` 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 `RDM` 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 DSNAME=h1q.SEZACMTX,DISP=SHR
//           DD ...
//           DD DSNAME=h1q.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 DSNAME=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
8177517	Wrong foreign domain is logged when connection is established
8178493	GWIDOMAIN dies when more than 46 services are defined
9659880	Abend SOC4 in IMS control region after applying APAR PK80756

