



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

## **Release Notes**

Version 9.1  
Document Revised: August 16, 2006

# Copyright

Copyright © 1995-2006 BEA Systems, Inc. All Rights Reserved.

## Restricted Rights Legend

This software is protected by copyright, and may be protected by patent laws. No copying or other use of this software is permitted unless you have entered into a license agreement with BEA authorizing such use. This document is protected by copyright and may not be copied photocopied, reproduced, translated, or reduced to any electronic medium or machine readable form, in whole or in part, without prior consent, in writing, from BEA Systems, Inc.

Information in this document is subject to change without notice and does not represent a commitment on the part of BEA Systems. THE DOCUMENTATION IS PROVIDED “AS IS” WITHOUT WARRANTY OF ANY KIND INCLUDING WITHOUT LIMITATION, ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. FURTHER, BEA SYSTEMS DOES NOT WARRANT, GUARANTEE, OR MAKE ANY REPRESENTATIONS REGARDING THE USE, OR THE RESULTS OF THE USE, OF THE DOCUMENT IN TERMS OF CORRECTNESS, ACCURACY, RELIABILITY, OR OTHERWISE.

## Trademarks and Service Marks

Copyright © 1995-2006 BEA Systems, Inc. All Rights Reserved. BEA, BEA JRockit, BEA WebLogic Portal, BEA WebLogic Server, BEA WebLogic Workshop, Built on BEA, Jolt, JoltBeans, SteelThread, Top End, Tuxedo, and WebLogic are registered trademarks of BEA Systems, Inc. BEA AquaLogic, BEA AquaLogic Data Services Platform, BEA AquaLogic Enterprise Security, BEA AquaLogic Interaction, BEA AquaLogic Interaction Analytics, BEA AquaLogic Interaction Collaboration, BEA AquaLogic Interaction Content Services, BEA AquaLogic Interaction Data Services, BEA AquaLogic Interaction Integration Services, BEA AquaLogic Interaction Process, BEA AquaLogic Interaction Publisher, BEA AquaLogic Interaction Studio, BEA AquaLogic Service Bus, BEA AquaLogic Service Registry, BEA Builder, BEA Campaign Manager for WebLogic, BEA eLink, BEA Kodo, BEA Liquid Data for WebLogic, BEA Manager, BEA MessageQ, BEA SALT, BEA Service Architecture Leveraging Tuxedo, BEA WebLogic Commerce Server, BEA WebLogic Communications Platform, BEA WebLogic Enterprise, BEA WebLogic Enterprise Platform, BEA WebLogic Enterprise Security, BEA WebLogic Express, BEA WebLogic Integration, BEA WebLogic Java Adapter for Mainframe, BEA WebLogic JDriver, BEA WebLogic Log Central, BEA WebLogic Mobility Server, BEA WebLogic Network Gatekeeper, BEA WebLogic Personalization Server, BEA WebLogic Personal Messaging API, BEA WebLogic Platform, BEA WebLogic Portlets for Groupware Integration, BEA WebLogic Real Time, BEA WebLogic RFID Compliance Express, BEA WebLogic RFID Edge Server, BEA WebLogic RFID Enterprise Server, BEA WebLogic Server Process Edition, BEA WebLogic SIP Server, BEA WebLogic WorkGroup Edition, BEA Workshop for WebLogic Platform, BEA Workshop JSP, BEA Workshop JSP Editor, BEA Workshop Struts, BEA Workshop Studio, Dev2Dev, Liquid Computing, and Think Liquid are trademarks of BEA Systems, Inc. Accelerated Knowledge Transfer, AKT, BEA Mission Critical Support, BEA Mission Critical Support Continuum, and BEA SOA Self Assessment are service marks of BEA Systems, Inc.

All other names and marks are property of their respective owners.

# Contents

## BEA Tuxedo Mainframe Adapter for TCP 9.1 Release Notes

|                                                                      |   |
|----------------------------------------------------------------------|---|
| About Tuxedo Mainframe Adapter for TCP 9.1 .....                     | 1 |
| What's New.....                                                      | 2 |
| Product Packaging .....                                              | 2 |
| BEA Tuxedo Mainframe Adapter for TCP Platform Support .....          | 2 |
| Minimum Hardware Requirements .....                                  | 3 |
| BEA Tuxedo Mainframe Adapter for TCP Software Requirements .....     | 3 |
| BEA Tuxedo Mainframe Adapter for TCP Supported Stacks .....          | 3 |
| BEA TMA TCP for IMS .....                                            | 3 |
| BEA TMA TCP for CICS.....                                            | 3 |
| Installing Your Software License .....                               | 4 |
| Upgrading from eLink TCP 3.x.....                                    | 5 |
| Upgrading from eLink TCP 3.x to Support Data-dependent Routing ..... | 5 |
| Known Problems .....                                                 | 6 |
| Fixed Problems .....                                                 | 7 |
| Where to Get Product Documentation.....                              | 7 |
| Contacting BEA Customer Support.....                                 | 8 |



# BEA Tuxedo Mainframe Adapter for TCP

## 9.1 Release Notes

The following topics are discussed in this document.

- [About Tuxedo Mainframe Adapter for TCP 9.1](#)
- [BEA Tuxedo Mainframe Adapter for TCP Platform Support](#)
- [Minimum Hardware Requirements](#)
- [BEA Tuxedo Mainframe Adapter for TCP Software Requirements](#)
- [Installing Your Software License](#)
- [Upgrading from eLink TCP 3.x](#)
- [Known Problems](#)
- [Fixed Problems](#)
- [Where to Get Product Documentation](#)
- [Contacting BEA Customer Support](#)

## About Tuxedo Mainframe Adapter for TCP 9.1

BEA Tuxedo Mainframe Adapter for TCP 9.1 provides Tuxedo applications transparent non-transactional, request-response connectivity to mainframe-based applications.

## What's New

The following new features are available in Version 9.1 of the Tuxedo Mainframe Adapter for TCP product:

- Support for Tuxedo 9.0 and 9.1
- Support for SUSE Linux 9
- Automatic re-enabling of disabled Requester LMID for TMA TCP for CICS gateway
- Load balancing of Requester for TMA TCP for CICS

## Product Packaging

The following items are included in the Tuxedo Mainframe Adapter for TCP product box:

- Product software CD ROM
- Documentation CD ROM (Refer to the [“Where to Get Product Documentation”](#))
- Product Installation Guide
- Product Release Notes
- BEA Systems, Inc. Support Guide, Registration Card, and License

## BEA Tuxedo Mainframe Adapter for TCP Platform Support

BEA Tuxedo Mainframe Adapter for TCP 9.1 is supported for the following platforms:

**Table 1 TMA for TCP Supported Platforms**

| Platform                               | ATMI Platform Version    |
|----------------------------------------|--------------------------|
| IBM AIX 5.3                            | Tuxedo 9.0 or Tuxedo 9.1 |
| HP-UX 11.23 (32 bit) PA-RISC           | Tuxedo 9.0 or Tuxedo 9.1 |
| SUN Solaris 10(32 bit on 64 bit Sparc) | Tuxedo 9.0 or Tuxedo 9.1 |

**Table 1 TMA for TCP Supported Platforms**

| <b>Platform</b>                        | <b>ATMI Platform Version</b> |
|----------------------------------------|------------------------------|
| SUSE Linux 9                           | Tuxedo 9.0 or Tuxedo 9.1     |
| Microsoft Windows 2003 Advanced Server | Tuxedo 9.0 or Tuxedo 9.1     |

## Minimum Hardware Requirements

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

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

## BEA Tuxedo Mainframe Adapter for TCP Software Requirements

This section describes the minimum software requirements for the BEA TMA TCP 9.1.

### BEA Tuxedo Mainframe Adapter for TCP Supported Stacks

BEA 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 V1R6.

### BEA TMA TCP for IMS

The following software runs with BEA TMA TCP for IMS:

- IBM IMS/TM 8.1
- IBM z/OS 1.6

### BEA TMA TCP for CICS

The following software runs with BEA TMA TCP for CICS:

- IBM CICS TS 3.1

- TCP/IP for MVS Version 3.1 with CICS Socket Interface
- C/370 Runtime Library Version 2.1 or higher
- IBM z/OS 1.6

## Installing Your Software License

You must enter the license key for Tuxedo Mainframe Adapter for TCP software to enable the connection capabilities for your system. As a prerequisite, BEA Tuxedo must be installed and operational with its license key file available. To enable the Tuxedo Mainframe Adapter for TCP license key, you must append the license key file provided with the product software to the BEA Tuxedo license key file.

**Caution:** Do not alter any information within sections of the license key files. Doing so may disable your product software.

Perform the following steps to use the license key.

1. With the text editor of your choice, open the Tuxedo license key file in `$TUXDIR/udataobj/lic.txt`. An example of this file follows:

---

### Listing 1 Sample BEA Tuxedo License Key File

```
[BEA TUXEDO]
VERSION=9.1
LICENSEE=BEA Internal Development User
SERIAL=177
ORDERID=Internal
USERS=400000
TYPE=SDK
DEVELOPERS=200000
EXPIRATION=2006-12-31
SIGNATURE=xxx
```

---



2. Append the Tuxedo Mainframe Adapter for TCP license key file to the Tuxedo license key file. An example of the Tuxedo Mainframe Adapter for TCP license key follows:

---

**Listing 2 Sample TMA TCP License Key File**


---

```
[Tuxedo Mainframe Adapter for TCP]
LICENSEE=*** BEA SYSTEMS ***
SERIAL=8882327878
ORDERID=N/A
EXPIRATION=2006-10-20
VERSION=9.1
SIGNATURE=xxx
```

---

3. Save the file and exit the text editor. Your license key is now in effect.

## Upgrading from eLink TCP 3.x

If you are upgrading to Tuxedo Mainframe Adapter for TCP 9.1 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 [BEA Tuxedo Mainframe Adapter for TCP 8.1 Online Documentation](#).

**Note:** Make certain you have already installed Tuxedo 9.0 or 9.1, 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 BEA 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=hlq.SEZACMTX,DISP=SHR
//            DD ...
//            DD DSNAME=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 DSNAME=SYS1.SCEELKED,DISP=SHR
```

## Fixed Problems

This section describes known problems from previous releases of eLink for Mainframe TCP that have been fixed with the current release of the software. The following table lists a Case or CR (Change Request) number for each problem. Refer to this number to conveniently track the solution as the problems are resolved.

Please contact your BEA Customer Support for assistance in tracking any unresolved problems. For contact information, see the [“Contacting BEA Customer Support.”](#) section.

| Change Request Number | Description                                                                                                                                                                                           |
|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| CR234870              | <b>TMA for TCP 8.1 - GWIDOMAIN cores each time Tuxedo is shut down.</b><br>GWIDOMAIN cores each time Tuxedo is shut down.<br><b>Platform:</b> HP-UX 11.0                                              |
| CR254129              | <b>TMA for TCP 8.1 - W2K - GWIDOMAIN stops calling remote services referring to &lt;strlen&gt;</b><br>GWIDOMAIN stops calling remote services referring to <strlen>.<br><b>Platform:</b> Windows 2000 |

## Where to Get Product Documentation

Documentation for this product is available on the BEA corporate Web site. From the BEA Home page at <http://www.bea.com>, click on Product Documentation or go directly to the “e-docs” Product Documentation page at <http://e-docs.bea.com>. The [Tuxedo Mainframe Adapter for TCP 9.1 Product Documentation](#) will have a link on the following location:

- Tuxedo 9.0 Product Documentation at the following URL:  
<http://edocs.bea.com/tuxedo/tux90/index.html>
- Tuxedo 9.1 Product Documentation at the following URL:  
<http://edocs.bea.com/tuxedo/tux91/index.html>

# Contacting BEA Customer Support

If you have any questions about this version of Tuxedo Mainframe Adapter for TCP, or if you have problems installing and running Tuxedo Mainframe Adapter for TCP, contact BEA Customer Support through BEA WebSupport at [www.bea.com](http://www.bea.com). You can also contact Customer Support by using the contact information provided on the Customer Support Card, which is included in the product package.

When contacting Customer Support, be prepared to provide the following information:

- Your name, e-mail address, phone number, and fax number
- Your company name and company address
- Your machine type and authorization codes
- The name and version of the products you are using
- A description of the problem and the content of pertinent error messages