



# **BEA Tuxedo™** **Mainframe** **Adapter for** **OSI TP**

## **Release Notes**

Version 8.1  
Document Revised: March 19, 2004  
Part Number: 870-001047-004

# Copyright

Copyright © 2004 BEA Systems, Inc. All Rights Reserved.

## Restricted Rights Legend

This software and documentation is subject to and made available only pursuant to the terms of the BEA Systems License Agreement and may be used or copied only in accordance with the terms of that agreement. It is against the law to copy the software except as specifically allowed in the agreement. This document may not, in whole or in part, be copied, photocopied, reproduced, translated, or reduced to any electronic medium or machine readable form without prior consent, in writing, from BEA Systems, Inc.

Use, duplication or disclosure by the U.S. Government is subject to restrictions set forth in the BEA Systems License Agreement and in subparagraph (c)(1) of the Commercial Computer Software-Restricted Rights Clause at FAR 52.227-19; subparagraph (c)(1)(ii) of the Rights in Technical Data and Computer Software clause at DFARS 252.227-7013, subparagraph (d) of the Commercial Computer Software--Licensing clause at NASA FAR supplement 16-52.227-86; or their equivalent.

Information in this document is subject to change without notice and does not represent a commitment on the part of BEA Systems. THE SOFTWARE AND DOCUMENTATION ARE 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 SOFTWARE OR WRITTEN MATERIAL IN TERMS OF CORRECTNESS, ACCURACY, RELIABILITY, OR OTHERWISE.

## Trademarks or Service Marks

BEA, Jolt, Tuxedo, and WebLogic are registered trademarks of BEA Systems, Inc. BEA Builder, BEA Campaign Manager for WebLogic, BEA eLink, BEA Liquid Data for WebLogic, BEA Manager, BEA WebLogic Commerce Server, BEA WebLogic Enterprise, BEA WebLogic Enterprise Platform, BEA WebLogic Express, BEA WebLogic Integration, BEA WebLogic Personalization Server, BEA WebLogic Platform, BEA WebLogic Portal, BEA WebLogic Server, BEA WebLogic Workshop and How Business Becomes E-Business are trademarks of BEA Systems, Inc.

All other trademarks are the property of their respective companies.

# Contents

What's New! . . . . .	1
About This BEA Tuxedo Mainframe Adapter for OSI TP Release . . . . .	2
Supported Platforms . . . . .	2
Pre-Installation Considerations . . . . .	2
Prerequisite Software . . . . .	3
Using the License Key . . . . .	3
Product Issues . . . . .	4
Known Limitations . . . . .	4
Fixed Problems . . . . .	5
Where to Get Product Documentation . . . . .	7
Using the BEA TMA OSI TP Online Documentation . . . . .	7
Accessing the Documentation . . . . .	8
Printing the PDF File . . . . .	8
Printing from the Web Browser . . . . .	9
Documentation CD Search Applet Limitations . . . . .	9
Special Characters . . . . .	9
UNC Path Names . . . . .	9
Additional CD Search Tip . . . . .	10
Browser Error on UNIX Platforms . . . . .	10
Documentation Notes . . . . .	10
Additional Information . . . . .	11
Contact Us! . . . . .	11

SURETY Support Services ..... 11

Unisys Customer Support ..... 11

    Support Online ..... 11

    Client Support Centers ..... 12

    Tech Advantage ..... 12

Reporting a Software Problem with a User Communication Form..... 13

VAR Customer Support ..... 13

# BEA Tuxedo Mainframe Adapter for OSI TP Release Notes

**BEA Tuxedo Mainframe Adapter for OSI TP Version: 8.1**  
**Date: March 2004**

The following topics are discussed in this document.

- What's New!
- About This BEA Tuxedo Mainframe Adapter for OSI TP Release
- Supported Platforms
- Pre-Installation Considerations
- Prerequisite Software
- Using the License Key
- Product Issues
- Where to Get Product Documentation
- Contact Us!

## What's New!

This release of BEA Tuxedo Mainframe Adapter for OSI TP provides the following new features:

- Support for Tuxedo 8.1
- Support for Domain Gateway performance enhancement

- Product name change from BEA eLink OSI TP to BEA Tuxedo Mainframe Adapter for OSI TP (also referenced as TMA OSI TP)

## About This BEA Tuxedo Mainframe Adapter for OSI TP Release

This distribution of the BEA Tuxedo Mainframe Adapter for OSI TP product (hereafter referenced as BEA TMA OSI TP) includes a CD-ROM that contains the BEA TMA OSI TP Version 8.1 product and a second CD-ROM that contains product documentation.

## Supported Platforms

The BEA Tuxedo Mainframe Adapter for OSI TP Version 8.1 server and client support platforms running BEA Tuxedo 8.1 on the following operating systems:

Operating System
AIX 5.2
HP-UX 11
Solaris 8
Microsoft Windows 2000 Advanced Server

## Pre-Installation Considerations

Complete the following tasks prior to installing BEA Tuxedo Mainframe Adapter for OSI TP:

- Read the *BEA Tuxedo Mainframe Adapter for OSI TP Release Notes*.
- Review the Upgrade Prerequisites in the *BEA Tuxedo Mainframe Adapter for OSI TP Installation Guide* if you are upgrading from a previous version of eLink OSI TP.
 

**Note:** On a UNIX operating system, if you are upgrading to Tuxedo 8.1 from a previous version of Tuxedo, you must remove the old version of Tuxedo before you install Tuxedo 8.1 or you must install Tuxedo 8.1 in a different directory. Do not overwrite the old version of Tuxedo.
- Make sure you have installed and verified the operation of the correct version and patch level of the BEA Tuxedo product.
- Make sure the BEA Tuxedo environment is configured properly.

## Prerequisite Software

Install the BEA Tuxedo 8.1 software and make sure it is configured and operational prior to installing BEA Tuxedo Mainframe Adapter for OSI TP 8.1 software.

## Using the License Key

You must enter the license key for BEA Tuxedo Mainframe Adapter for OSI TP 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 BEA Tuxedo Mainframe Adapter for OSI TP license key, you must append the license key file provided with the product software to the BEA Tuxedo license key file. This can be done automatically by answering a query at BEA Tuxedo Mainframe Adapter for OSI TP installation time. Or it can be done manually as shown in the steps below.

**Caution:** Do not alter any information within sections of the license key files. This is a violation of the BEA Systems licensing agreement. Doing so may disable the BEA TMA OSI TP and/or additional components.

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 Tuxedo License Key File

---

```
[TUXEDO 8.1]
LICENSEE=BEA Professional Services
SERIAL=1000000104
ORDERID=0
USERS=20
TYPE=SDK
WEBGUI=separate
WSCOMPRESSION=separate
EXPIRATION=2004-12-31
SIGNATURE=
```

---

2. Append the BEA Tuxedo Mainframe Adapter for OSI TP license key file to the Tuxedo license key file. An example of the BEA Tuxedo Mainframe Adapter for OSI TP license key follows.

---

**Listing 2 Sample BEA Tuxedo Mainframe Adapter for OSI TP License Key File**

---

```
[Tuxedo Mainframe Adapter OSI TP]
VERSION=8.1
LICENSEE=*** BEA SYSTEMS ***
SERIAL=8882327878
ORDERID=N/A
EXPIRATION=2004-12-31
SIGNATURE=
```

---

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

## Product Issues

The following sections describe some of the miscellaneous issues you may need to consider before you install BEA TMA OSI TP. Refer to the *BEA Tuxedo Mainframe Adapter for OSI TP Installation Guide* for more detailed information about installing or upgrading BEA TMA OSI TP.

## Known Limitations

This section describes limitations in the current BEA Tuxedo Mainframe Adapter for OSI TP release and includes possible workarounds where applicable.

The table below lists a CR (Change Request) number for each problem. Refer to this number to conveniently track the solution as the problems are resolved. Please contact Unisys Technical Support for assistance in tracking any unresolved problems. For contact information, see “Contact Us!”



<b>1</b>	<b>N/A</b>	<b>Change in return code</b>
	<b>Problem</b>	TPCONNECT gets a return code of 1 with the revent field not set. In previous Tuxedo releases tpsend used to return -1 with tperrno=TPEEVEVENT and the rEvent=TPEV_SVCSUCC, now tpsend returns 1.
	<b>Platform</b>	All
	<b>Workaround</b>	None
<b>2</b>	<b>CR053479</b>	<b>dmadmin can only be executed from the \$TUXDIR, all other executions just return.</b>
	<b>Problem</b>	The Microsoft Windows operating systems have a system file called dmadmin, which is listed in the WINNT\system32 path. If the Tuxedo dmadmin is not executed from the \$TUXDIR, the Microsoft dmadmin is called.
	<b>Platform</b>	Windows 2000 Professional and Windows 2000 Advanced Server
	<b>Workaround</b>	Add TUXEDO\BIN to the <b>beginning</b> of your environment path.

## Fixed Problems

This section describes known problems from the prior release of the eLink Adapter for Mainframe that have been fixed with the current release of the BEA Tuxedo Mainframe Adapter for OSI TP software. The following table lists a Case or CR (Change Request) number for each problem.

<b>1</b>	<b>CR090077</b>	<b>X_OCTET to STRING translation not adding NUL to end buffer when necessary.</b>
	<b>Problem</b>	When data is going from the gateway (X_OCTET_ to a Tuxedo application (STRING), the NULL should be added at the end of the X_OCTET buffer so that the Tuxedo application can use it. The gateway does not add the NULL at the end of the buffer
	<b>Platform</b>	All
<b>2</b>	<b>CR098720</b>	<b>Integrating various fixes and patch level for Unisys code.</b>

	<b>Problem</b>	<p>This CR resolves the following problems in the Unisys source:</p> <ul style="list-style-type: none"> <li>• Resource leak (timing issue) issuing aborts.</li> <li>• Network events lost when “Connection timed out” error occurs.</li> <li>• Memory leak when using XATMI_ENCODING=NATIVE_A_SERIES with no data.</li> <li>• “pdu_type=UNKNOWN” message appears with tracing turned on.</li> <li>• Incoming calls are rejected, remote domain name is junk in ULOG.</li> <li>• User cannot use OSIADMIN without Windows administrator access.</li> </ul>
	<b>Platform</b>	All
<b>3</b>	<b>CR110391</b>	<b>Dynamically adding local services causes GWOSITP to die.</b>
	<b>Problem</b>	When using dmadm -c command to dynamically add local services, GWOSITP dies. The update completes successfully and then GWOSITP dies and is removed from the BBL.
	<b>Platform</b>	HP-UX
<b>4</b>	<b>CR120219</b>	<b>Integrating various fixes and patch level for Unisys code.</b>
	<b>Problem</b>	<p>This CR resolves the following problems in the Unisys source:</p> <ul style="list-style-type: none"> <li>• Misleading P-ABORT IND messages appear in the ULOG file.</li> <li>• GWOSITP or PORTPROXY terminates abnormally during connection termination.</li> <li>• Multiplexed connection collision results in high processor usage on UNIX and Windows.</li> <li>• GWOSITP on AIX 5 consumes large amounts of processor time when reconnecting.</li> </ul>
	<b>Platform</b>	All
<b>5</b>	<b>CR123289</b>	<b>Integrating various fixes and patch level for Unisys code.</b>
	<b>Problem</b>	GWOSITP terminates with locking error.
	<b>Platform</b>	All
<b>6</b>	<b>CR132672</b>	<b>Memory leak running on Solaris 8 with an array of strings using XATMI_ENCODING=”PRELIMINARY”.</b>
	<b>Problem</b>	A memory leak occurs with an array of strings using PRELIMINARY encoding.

<b>Platform</b>	Sun Solaris 8
<b>7 CR132890</b>	<b>IP address changed at tmboot time if 0 is in third arc.</b>
<b>Problem</b>	GWOSITP incorrectly copies the four IP address bytes into the <code>osiLDOM_t</code> or <code>osiRDOM_t</code> structure.
<b>Platform</b>	All

## Where to Get Product Documentation

Documentation for this product is available from the following locations:

- **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 BEA Tuxedo Mainframe Adapter for OSI TP Product Documentation will have a link on the following location:
  - Tuxedo 8.1 Product Documentation at the following URL:  
<http://e-docs.bea.com/tuxedo/tux81/index.htm>
- **On the BEA TMA OSI TP Online Documentation CD.** The documentation CD includes Web-browsable HTML and easy-to-print Adobe Acrobat PDF documentation for this product.

To access the PDFs, open the BEA Tuxedo Mainframe Adapter for OSI TP documentation Home page, click the PDF files button and select the document you want to view or print. If you do not have the Adobe Acrobat Reader, you can get it for free from the Adobe Web site at <http://www.adobe.com/>.

## Using the BEA TMA OSI TP Online Documentation

You can install the HTML files on your server or client, or leave them on the CD. If you copy the files to your system, you should maintain the directory structure that was provided on the CD. However, you can move that directory structure to any location. The files are located on the CDROM in the `docs/tuxedo/ositp/v81` directory. Note the filename path to the directory where you install them on your server or client.

The Online Documentation CD includes a Java search applet to help you find BEA TMA OSI TP topics in the documentation. To use the search capabilities, your browser must have Java support enabled. For information on limitations of the search capabilities, see “Documentation CD Search Applet Limitations.”

To view the documentation, you need a Web browser that supports HTML 4.0 features including tables and frames. Netscape Navigator 7.0 or Microsoft Internet Explorer 6.0 or later are recommended. When you install the HTML files, they will be located in a directory on your system. You should keep the HTML files that are contained within a directory together. However, you can move that directory to any location.

**Note:** It is recommended that you locate the HTML browser and the HTML files on the same client or server device.

## Accessing the Documentation

To begin viewing the online documentation, use one of the following methods to open the HTML file in a Web browser:

Use the following path to access the document from the CD.

### Listing 3 Accessing Online Documentation from a CD

---

```
<cdrom>/docs/tuxedo/ositp/v81/index.htm
```

---

Use the following path to access the document installed to a Web server.

### Listing 4 Accessing Online Documentation from a Web Server

---

```
http://(directory path to BEA TMA OSI TP HTML files)/index.htm
```

---

On UNIX systems, you may need to mount the CD before you are able to access the **index.htm** page. For mounting instructions on UNIX platforms, refer to the installation instructions in the BEA Tuxedo Mainframe Adapter for OSI TP Online Documentation CD-ROM.

## Printing the PDF File

You must have the Adobe Acrobat Reader to view and print the PDF file. If you do not have this reader, you can obtain it free of charge from the Adobe Systems Incorporated home site at

www.adobe.com. (Please note that the BEA Tuxedo Mainframe Adapter for OSI TP Documentation PDF page contains a hot link to this site.)

## Printing from the Web Browser

You can print a copy of this document, one file at a time, from the Web browser. Before you print, make sure that the topic you want is displayed and *selected* in your browser. (To select a topic, click anywhere inside the frame you want to print. If your browser offers a Print Preview feature, you can use the feature to verify the topic you are about to print.)

## Documentation CD Search Applet Limitations

The Online Documentation CD includes a Java search applet to help you find BEA TMA OSI TP topics. The following sections describe current limitations with the search applet.

### Special Characters

The search applet does not find strings containing some special characters, such as slashes (/) and/or dollar signs (\$). The Java search applet does find strings containing underscores (\_) and periods (.). Attempts to search for strings with unsupported special characters result in a “No matches” message.

### UNC Path Names

The Java search applet uses a pre-compiled search database of topics. Because of the way the search database is built, you must adhere to one of the following options to use the documentation CD search feature:

- Use the CD on a local CD reader.
- Map a network drive to a remote, shared device that contains the CD or a copy of the CD's content; in your browser, use the network drive to find and open the `index.htm` file in the CD's top documentation directory.
- Copy the CD's content to a local drive on your system.
- Copy the CD's content to a Web server on your corporate Intranet. Make sure that `index.htm` is the default file name used by the Web server software. The Online Documentation CD contains a file called `index.htm`, which <is the home page> <or> <creates the framework> for the online documentation. The path name for this file on the CDs is `\docs\<product>\<version>\index.htm`.

If your Web server software does not allow you to use a file named `index.htm`, make a copy of `index.htm` and rename the copy with the default file name you must use, such as `default.htm`. Keep both the original `index.htm` file and your renamed copy of it in the same directory.

You cannot use the search applet if you have accessed the CD or a copy of its content through a Universal Naming Convention (UNC) path. For example, UNC paths are used by the Windows NT Network Neighborhood. The search applet does not interpret relative paths to the matched target `*.htm` pages because the UNC path is added to the beginning of each link. To use the documentation CD search feature, please use one of the four recommended methods listed earlier in this section.

Only the search applet's results list is affected by this UNC limitation. You can use UNC paths, such as accessing the documentation CD on a Network Neighborhood system's shared CD device, for all other relative hyperlinks on the CD.

## Additional CD Search Tip

The search applet returns a list of HTML files that contain the search keyword(s) you enter. When you double click an entry in the search results list, the applet displays the target HTML file. To get the name of the book containing this HTML file, click the [TOP] hyperlink. The book's title page (which shows the name of the book) is displayed. You can then click the Back button in the browser to return to the HTML file that was originally displayed.

## Browser Error on UNIX Platforms

If the search applet does not work on your UNIX platform, try using the latest Netscape browser for the platform and add the Netscape Java Archive (JAR) file to your `CLASSPATH` environment variable. The path to the JAR file is in the directory in which you installed Netscape. For example:

```
CLASSPATH=mytools/netscape/communicator/program/java/classes/java40.jar
```

After you revise the `CLASSPATH` variable, exit Netscape and then restart Netscape in the updated environment. When you access the search page, the search feature should work properly.

## Documentation Notes

The following documentation can help you use BEA Tuxedo Mainframe Adapter for OSI TP:

- *BEA Tuxedo Mainframe Adapter for OSI TP User Guide*
- *BEA Tuxedo Mainframe Adapter for OSI TP Installation Guide*

## Additional Information

For additional information, please see the BEA Tuxedo Online Documentation at <http://edocs.bea.com>.

## Contact Us!

BEA TMA OSI TP is a product jointly developed by BEA Systems, Inc. and Unisys Corporation. Support services and contacts are described in the following sections.

### SURETY Support Services

A SURETY service agreement gives you easy access to Unisys Support Online or Unisys Client Support Centers. These services are described below.

### Unisys Customer Support

Unisys customer support gives clients easy access, on the World Wide Web or by telephone, to these service options:

- Support Online
- Client Support Centers
- Tech Advantage

Clients with valid support agreements can visit an electronic database of reported problems and solutions. They can also use e-mail or telephone to contact our product specialists with technical questions. Clients are eligible to receive updates to a product when critical problems have been fixed.

### Support Online

Unisys has a World Wide Web site available to customers who have support agreements. If you have any questions or problems with a Unisys product, your first source of information is Support Online, an online technical resource available through the World Wide Web at <http://www.support.unisys.com>.

This technical resource is available 24 hours a day, 7 days a week. It offers a wealth of information about Unisys hardware and software systems. Take some time to explore Support Online and discover the services available to you.

## Client Support Centers

Unisys clients with valid support agreements can also access Client Support Centers. If you have unresolved questions or problems concerning Unisys product installation or operation (after referring to the documentation or your system administrator), call the appropriate Client Support Center:

Within the continental United States or Canada, call one of the following toll-free numbers:

1-800-328-0440 (prompt 4) - United States

1-800-387-6181 - Canada

1-800-361-8097 - French Canada

Outside the continental United States, obtain a support center telephone number from your local Unisys customer support representative.

To expedite your request, please have the following information ready before contacting Unisys.

- The name of the hardware (for example, Sun, HP, AIX, or PC)
- The name and release level of the operating environment (for example Solaris 8 or Windows 2000)
- The BEA Tuxedo release level, the BEA TMA OSI TP version and release level, and the patch levels of both.

## Tech Advantage

In addition, Unisys Client Support Centers offer Tech Advantage, a full complement of technical service packages that provide you with cost-effective, fast-cycle support. Tech Advantage services can help you solve your most difficult problems or maximize the effectiveness of your system, regardless of your product choice.

Here are some ways to put Tech Advantage to work for you:

- **System Generation**-Assist in generating or installing system software upgrades and enhancements.
- **Operating System Migration**-Plan and optimize your system migrations.
- **Performance Review**-Evaluate existing systems and networks and provide tuning recommendations.
- **Communications Systems Enhancements**-Assist in configuring, generating, and installing communications systems.



- **Database Management Consulting**-Confirm that systems and database backup procedures are optimized to promote data recovery.

For more information on Tech Advantage, visit the Support Online Web page and follow the link to Tech Advantage or call your Client Support Center.

## Reporting a Software Problem with a User Communication Form

A customer representative may provide instructions or solutions from the Client Support Center database. If this help is insufficient, provide your representative with a full description of the problem, including any relevant error messages, and, if possible, a full description of the function you were attempting and your actions immediately prior to the error. The representative will then submit an electronic User Communication Form (UCF) to Unisys on your behalf, and give you the following information:

- A UCF registration number
- Instructions for submitting supporting materials, such as configurations, logs, traces, and dumps.

## VAR Customer Support

All clients of Unisys resellers should contact their Value Added Resellers (VARs) for support access details.

