BEA Tuxedo® Mainframe Adapter for TCP

Release Notes

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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
- 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
- Product Documentation sheet
- BEA Systems, Inc. Support Guide nad Registration Card

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 (32-bit) on IBM PowerPC	Tuxedo 9.0 or Tuxedo 9.1
HP-UX 11i v2 (32-bit) PA-RISC	Tuxedo 9.0 or Tuxedo 9.1
HP-UX 11i v2 (32-bit) Itanium	Tuxedo 9.0 or Tuxedo 9.1
HP-UX 11i v2 (64-bit) Itanium	Tuxedo 9.0 or Tuxedo 9.1
Novell SUSE Linux Enterprise Server 9 (32-bit) x86	Tuxedo 9.0 or Tuxedo 9.1
Novell SUSE Linux Enterprise Server 10 (32-bit) on x86	Tuxedo 9.0 or Tuxedo 9.1

Table 1 TMA for TCP Supported Platforms

Platform	ATMI Platform Version
Microsoft Windows Server 2003 (32-bit) x86 with VS2003	Tuxedo 9.0 or Tuxedo 9.1
Oracle Solaris 9 (32-bit) SPARC	Tuxedo 9.0 or Tuxedo 9.1
Oracle Solaris 10 (32-bit) SPARC	Tuxedo 9.0 or Tuxedo 9.1

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 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.

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*.

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.

BEA TMA TCP for IMS

The following software runs with BEA TMA TCP for IMS:

- IBM IMS/TM 9
- IBM z/OS 1.8

BEA TMA TCP for CICS

The following software runs with BEA TMA TCP for CICS:

- IBM CICS TS 2.3, 3.1, 3.2
- TCP/IP for MVS Version 2.3, 3.1, 3.2 with CICS Socket Interface
- C/370 Runtime Library Version 2.1 or higher
- IBM z/OS 1.8

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	**TMA for TCP 8.1 - GWIDOMAIN cores each time Tuxedo is shut down.** GWIDOMAIN cores each time Tuxedo is shut down. **Platform:** HP-UX 11.0
CR254129	**TMA for TCP 8.1 - W2K - GWIDOMAIN stops calling remote services referring to <strlen>** GWIDOMAIN stops calling remote services referring to <strlen>. **Platform:** 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`. 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