



BEA Tuxedo®

Release Notes

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BEA Tuxedo 10.0 Release Notes

BEA Tuxedo Release 10.0
Date: December 2007

Table 1 Revision History

Revision Date	Summary of Change
December 23, 2007	Updated “BEA Tuxedo 10.0 Platform Data Sheets” in Installing the BEA Tuxedo System with: <ul style="list-style-type: none">• Sun Microsystems Solaris 10 (64-bit) on SPARC
December 06, 2007	Updated “BEA Tuxedo 10.0 Platform Data Sheets” in Installing the BEA Tuxedo System with: <ul style="list-style-type: none">• Red Hat Linux Enterprise AS 5 (64-bit) on 64-bit Xeon/AMD64
November 27, 2007	Updated “BEA Tuxedo 10.0 Platform Data Sheets” in Installing the BEA Tuxedo System with: <ul style="list-style-type: none">• HP-UX 11i v3 (64-bit) on Itanium
November 22, 2007	Updated “BEA Tuxedo 10.0 Platform Data Sheets” in Installing the BEA Tuxedo System with: <ul style="list-style-type: none">• Sun Microsystems Solaris 9 (64-bit) on SPARC
November 14, 2007	Updated “BEA Tuxedo 10.0 Platform Data Sheets” in Installing the BEA Tuxedo System with: <ul style="list-style-type: none">• IBM AIX 5.3 (64-bit) on IBM PowerPC

Table 1 Revision History

Revision Date	Summary of Change
September 28, 2007	Initial Release

This document contains release notes for the BEA Tuxedo 10.0 release. It includes the following topics:

- [About This BEA Tuxedo Release](#)
- [BEA Tuxedo Software Components](#)
- [Software Component Licensing Requirements](#)
- [Supported Platforms](#)
- [Deprecated Features in BEA Tuxedo 10.0](#)
- [Online Documentation](#)
- [How to Obtain Patches](#)

About This BEA Tuxedo Release

BEA Tuxedo software provides businesses and organizations that depend on mission-critical applications with the flexibility of proven programming interfaces and ease of extending these applications to SOA. This is complemented by a robust infrastructure which has proven over the years to provide virtually unlimited scalability, best performance in its class and highly reliable.

This topic includes the following sections:

- [What's New and Improved](#)
- [Installation Upgrade Considerations](#)
- [Code Samples and Tools Web Page](#)

What's New and Improved

BEA Tuxedo Release 10.0 includes the following new features:

- Tuxedo System and Application Monitor (TSAM) Agent

BEA TSAM provides comprehensive monitoring and reporting for BEA Tuxedo system and applications. It includes two components: [BEA TSAM Agent](#) and [BEA TSAM Manager](#).

The BEA TSAM Agent enables collection of various performance metrics for applications, including XA and non-XA transactions, services, system servers. The BEA TSAM Agent provides an open plug-in framework which can be used to customize performance metrics collection and send this information to management tools other than the BEA TSAM Manager.

The BEA TSAM Agent can be used in conjunction with the BEA TSAM Manager. The BEA TSAM Manager provides graphical user interface to correlate and aggregate performance metrics collected from one or more Tuxedo domains. It displays this information in *real time*.

Note: A separate license is required to enable the BEA TSAM Agent.

- **SSL Support for ATMI Applications**

This feature provides support for SSL encryption over all network links in Tuxedo where LLE encryption is available. For more information, see [Introducing ATMI Security](#), in “*Using Security in ATMI Applications*.”

- **Generic AUTHSVR**

Generic AUTHSVR is a new Tuxedo system server (GAUTHSVR) that enables Tuxedo users to be authenticated with LDAP based directory servers without need to write custom code. For more information, see [Implementing Single Point Security Administration](#), in “*Using Security in ATMI Applications*.”

- **MQ Adapter**

The MQ Adapter provides bi-directional, transactional connectivity to and from WebSphere MQSeries. For more information, see [Running the Tuxedo MQ Adapter](#).

- **DoS**

Provides Tuxedo TDomain domain gateway features used to defend against DoS attacks, and Tuxedo Domain improved password pair configuration flexibility. For more information, see [Introducing ATMI Security](#) in “*Using Security in ATMI Applications*.”

- **Integrating ACUCOBOL in buildclient/buildserver**

In Tuxedo 10.0, buildclient/buildserver can accept COBOL source files and generate C stub code automatically using ACUCOBOL compiler version 6.2.0 or above. For more

information, see [buildclient\(1\)](#) and [buildserver\(1\)](#) in the “*BEA Tuxedo Command Reference*.”

- OpenLDAP for X.509 Certificate Lookup

Tuxedo 10.0 PKI plug-in added support for OpenLDAP for X.509 certificate lookup. For more information, see Administering Security, Cert-C PKI Encryption Plug-In Configuration, [Configure Certificate Lookup](#) in “*Using Security in ATMI Applications*.”

- Custom Enhancements

- New command utility - `tpkill`

Sending `SIGKILL` signal to a Tuxedo server may cause structural damage to the bulletin board if the process was updating the bulletin board when it was terminated. Tuxedo 10.0 introduces a new command utility, `tpkill`, to prevent this accident from happening. For more information, see [tpkill\(1\)](#) in the “*BEA Tuxedo Command Reference*.”

- Large file (larger than 2GB) support for UNIX platforms

In previous Tuxedo releases, Tuxedo binaries were built without large file support on some UNIX platforms, hence Tuxedo system functions cannot create or open files larger than 2GB. Tuxedo 10.0 binaries are built with large file support on all supported UNIX platforms.

Installation Upgrade Considerations

Before installing the product, be sure to review the product issues in “[Known and Resolved Issues](#).” For complete information on upgrading to BEA Tuxedo 10.0, see “Upgrading the BEA Tuxedo System to Release 10” in Installing the BEA Tuxedo System.

Hot Upgrade From Tuxedo 8.0 to Tuxedo 10.0

In order to perform a hot upgrade from BEA Tuxedo 8.0 to BEA Tuxedo 10.0, you must be running Tuxedo 8.0 rolling patch 22 at a minimum. If performing a hot upgrade from any other supported release to Tuxedo 10.0, there is no rolling patch level requirement.

Code Samples and Tools Web Page

You can download unsupported code samples and developer tools from the BEA Systems, Inc. dev2dev online site. Start on the following Web page:

<http://dev2dev.bea.com/index.jsp>

If you do not already have a BEA dev2dev login, links are provided with instructions for free membership.

BEA Tuxedo Software Components

The BEA Tuxedo software consists of the following components:

- **BEA Tuxedo ATMI software**

The ATMI software enables you to build scalable ATMI applications using either of two programming languages: C or COBOL. This software includes the following components:

- BEA Tuxedo ATMI servers
- BEA Tuxedo /WS clients
- BEA Tuxedo Native clients
- BEA Tuxedo .NET Workstation clients
- BEA Tuxedo infrastructure

- **BEA Tuxedo CORBA software**

The CORBA software enables you to build scalable CORBA applications in the C++ programming language. This software includes the following components:

- CORBA C++ servers
- C++ client and server Object Request Broker (ORB)
- BEA Tuxedo object infrastructure

- **BEA TSAM 1.1 Agent software**

BEA TSAM Agent enables the collection of various performance metrics for applications including: XA and non-XA transactions, services, system servers.

- **BEA SALT 2.0 software**

BEA SALT allows external Web service applications to invoke native Tuxedo services (inbound), and conversely, allows Tuxedo applications to invoke external Web services (outbound).

- **BEA Jolt 10.0 software**

BEA Jolt is a Java-based interface to the BEA Tuxedo system that extends the functionality of existing BEA Tuxedo applications to include intranet- and Internet-wide availability.

- BEA SNMP Agent software

BEA SNMP Agent for BEA Tuxedo and BEA WebLogic Enterprise is a Simple Network Management Protocol (SNMP) agent that enables BEA Tuxedo and BEA WebLogic Enterprise applications to be managed from an Enterprise Management Console.

Software Component Licensing Requirements

All BEA Tuxedo 10.0 software components are included on the product DVD. A license is issued when you purchase the product that enables the components that you want to use.

Licensing is used to enable the product components as follows:

- Basic license

This license enables the following components:

- The ATMI and CORBA programming environments (clients and servers)
- Secure Sockets Layer (SSL), Link-Level-Encryption (LLE), and Public Key Interface (PKI) plug-ins
- 56-bit encryption

- 128-bit encryption license

This license enables 128-bit and 256-bit encryption as well as the components enabled by the basic license.

- TSAM license

This license enables the BEA TSAM software.

- SALT license

This license enables the BEA SALT software.

- Jolt license

This license enables the BEA Jolt software as well as the components enabled by the basic license.

BEA Tuxedo 10.0 requires that all customers upgrade their licenses to new license keys; previous licenses will not work. Customers with existing support contracts may use one of the following methods to obtain a license upgrade:

- If you have a previous version of a BEA Tuxedo license, you may update your license from the BEA Support site using an automatic form, or by contacting a BEA representative.
- If you have a BEA WebLogic Enterprise license, you must contact your BEA representative to upgrade your license to BEA Tuxedo 10.0.

Supported Platforms

BEA Tuxedo software runs on the platforms listed in the following sections. BEA has certified these platforms for development and production use with the BEA Tuxedo release 10.0 product. BEA can provide customer support only for these platforms. Note that although BEA has attempted to implement the BEA Tuxedo software in a manner that conforms to industry-standards, it is not feasible for BEA to certify its use with all third-party databases, ORBs, and other products.

Additional software ports and certifications will be made available after the initial release of BEA Tuxedo 10.0. For information regarding subsequent ports and certifications, please refer to the Platform Support information on the BEA web site at the following link:

<http://www.bea.com/products/tuxedo/platforms.shtml>

Platform information is maintained under the “Requirements” option under the Tuxedo product page.

For more information, see the [BEA Tuxedo 10.0 Platform Data Sheets](#).

Database Support

BEA Tuxedo ATMI and CORBA C++ applications support the XA standard. This facilitates inter-operation with any XA-compliant software system including database management systems.

Security Related Software Supported

The following security software is supported:

- Verisign is certified as one of the SSL Certificate authorities.

- To support certificate-based authentication when using SSL, BEA Tuxedo provides an LDAP-based certificate retrieval mechanism. This retrieval mechanism has been certified for use with the iPlanet Directory Server.

Deprecated Features in BEA Tuxedo 10.0

When a product feature is deprecated, it is identified as a feature that will not be supported and may be removed in the next release of the product.

The following feature is being deprecated in BEA Tuxedo 10.0:

- WSDL output of `tmunloadrepos`

In Tuxedo 10.0, `-w` option is deprecated for command `tmunloadrepos`, the Tuxedo Service Metadata Repository file unload and display utility. Command `tmwsdlgen` is promoted as the general Tuxedo service WSDL publication utility.

Online Documentation

The BEA Tuxedo 10.0 product documentation is available at

<http://edocs.bea.com/tuxedo/tux100/index.html>

How to Obtain Patches

To obtain patches, access the BEA Customer Support page at <http://www.bea.com/support/> and open a “New Case” to request the patches. BEA customers can gain access to support information by accessing the Customer Support page and registering for a Web account.

You can also contact Customer Support by using the contact information provided on the BEA Tuxedo 10.0 Customer Support Card, which is included in the product box.

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 product you are using
- A description of the problem and the contents of pertinent error messages