

**Oracle® Tuxedo**  
Release Notes  
10g Release 3 (10.3)

January 2009

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# Oracle Tuxedo 10g Release 3 (10.3) Release Notes

**Oracle Tuxedo 10g** Release 3 (10.3)  
**Date: May 2012**

**Table 1 Revision History**

<b>Revision Date</b>	<b>Summary of Change</b>
May 28, 2012	Updated <a href="#">“Oracle Tuxedo 10gR3 Platform Data Sheets”</a> in Installing the Oracle Tuxedo System with: <ul style="list-style-type: none"><li>• Oracle Enterprise Linux 6.1 (64-bit)</li></ul>
January 31, 2012	Updated <a href="#">“Oracle Tuxedo 10gR3 Platform Data Sheets”</a> in Installing the Oracle Tuxedo System with: <ul style="list-style-type: none"><li>• Oracle Solaris 11 (32-bit) on SPARC</li><li>• Oracle Solaris 11 (64-bit) on SPARC</li></ul>
April 30, 2011	Updated <a href="#">“Oracle Tuxedo 10gR3 Platform Data Sheets”</a> in Installing the Oracle Tuxedo System with: <ul style="list-style-type: none"><li>• Microsoft Windows 7 (64-bit) (Client Only) on x86-64 with MS Visual Studio 2005 Professional Edition</li></ul>
December 21, 2010	Updated <a href="#">“Oracle Tuxedo 10gR3 Platform Data Sheets”</a> in Installing the Oracle Tuxedo System with: <ul style="list-style-type: none"><li>• IBM AIX 7.1 (32-bit) on IBM PowerPC</li><li>• IBM AIX 7.1 (64-bit) on IBM PowerPC</li></ul>

**Table 1 Revision History**

<b>Revision Date</b>	<b>Summary of Change</b>
October 15, 2010	Updated <a href="#">“Oracle Tuxedo 10gR3 Platform Data Sheets”</a> in Installing the Oracle Tuxedo System with: <ul style="list-style-type: none"><li>• Microsoft Windows 2008 R2 Server (64-bit) on x86-64 with MS Visual Studio 2008 Professional Edition</li></ul>
May 31, 2010	Updated <a href="#">“Oracle Tuxedo 10gR3 Platform Data Sheets”</a> in Installing the Oracle Tuxedo System with: <ul style="list-style-type: none"><li>• Microsoft Windows 2008 R2 Server (32-bit) on x86-64 with MS Visual Studio 2005 Professional Edition</li></ul>
May 12, 2010	Updated <a href="#">“Oracle Tuxedo 10gR3 Platform Data Sheets”</a> in Installing the Oracle Tuxedo System with: <ul style="list-style-type: none"><li>• GreatTurbo Linux Enterprise Server 11.2 (32-bit) on x86-64</li></ul>
April 12, 2010	Updated <a href="#">“Oracle Tuxedo 10gR3 Platform Data Sheets”</a> in Installing the Oracle Tuxedo System with: <ul style="list-style-type: none"><li>• Microsoft Windows 7 (32-bit) (Client Only) on x86 with MS Visual Studio 2005 Professional Edition</li></ul>
February 2, 2010	Updated <a href="#">“Oracle Tuxedo 10gR3 Platform Data Sheets”</a> in Installing the Oracle Tuxedo System with: <ul style="list-style-type: none"><li>• Microsoft Windows 2008 Server (32-bit) on x86 with MS Visual Studio 2008 Professional Edition</li><li>• Microsoft Windows 2008 Server (64-bit) on x86-64 with MS Visual Studio 2008 Professional Edition</li></ul>
June 23, 2009	Updated <a href="#">“Oracle Tuxedo 10gR3 Platform Data Sheets”</a> in Installing the Oracle Tuxedo System with: <ul style="list-style-type: none"><li>• Novell SUSE Linux Enterprise Server 11 (64-bit) on x86-64</li><li>• Microsoft Windows 2008 Server (32-bit) on x86-64 with MS Visual Studio 2005 Professional Edition</li></ul>
June 18, 2009	Updated <a href="#">“Oracle Tuxedo 10gR3 Platform Data Sheets”</a> in Installing the Oracle Tuxedo System with: <ul style="list-style-type: none"><li>• HP-UX 11i v3 (32-bit) on Itanium 64-bit</li></ul>

**Table 1 Revision History**

<b>Revision Date</b>	<b>Summary of Change</b>
May 11, 2009	Updated <a href="#">“Oracle Tuxedo 10gR3 Platform Data Sheets”</a> in Installing the Oracle Tuxedo System with: <ul style="list-style-type: none"><li>• HP-UX 11i v3 (64-bit) on PA-RISC</li></ul>
May 06, 2009	Updated <a href="#">“Oracle Tuxedo 10gR3 Platform Data Sheets”</a> in Installing the Oracle Tuxedo System with: <ul style="list-style-type: none"><li>• HP-UX 11i v3 (64-bit) on Itanium</li><li>• Red Hat Linux Enterprise AS 5 (64-bit) on x86-64</li></ul>
April 13, 2009	Updated <a href="#">“Oracle Tuxedo 10gR3 Platform Data Sheets”</a> in Installing the Oracle Tuxedo System with: <ul style="list-style-type: none"><li>• Microsoft Windows 2008 Server (32-bit) on x86 with MS Visual Studio 2005 Professional Edition</li><li>• Microsoft Windows 2003 Server (64-bit) on x86-64 with MS Visual Studio 2005 Professional Edition</li><li>• Microsoft Windows XP on x86 with C++ Builder 2007 (CORBA Client Only)</li><li>• Novell SUSE Linux Enterprise Server 10 (32-bit) on x86</li><li>• Red Hat Linux Enterprise AS 5 (32-bit) on x86</li></ul>
March 05, 2009	Updated <a href="#">“Oracle Tuxedo 10gR3 Platform Data Sheets”</a> in Installing the Oracle Tuxedo System with: <ul style="list-style-type: none"><li>• Microsoft Windows Vista on Intel (Client Only) with MS Visual Studio 2005 Professional Edition</li><li>• Oracle Enterprise Linux 5.0 (32-bit)</li><li>• Oracle Enterprise Linux 5.2 (64-bit)</li></ul>
February 25, 2009	Updated <a href="#">“Oracle Tuxedo 10gR3 Platform Data Sheets”</a> in Installing the Oracle Tuxedo System with: <ul style="list-style-type: none"><li>• HP-UX 11i v2 (32-bit) on Itanium 64-bit</li></ul>
January 15, 2009	Initial Release

This document contains release notes for the Oracle Tuxedo 10g Release 3 (10.3) release. It includes the following topics:

- [About This Oracle Tuxedo Release](#)

- [Installation Upgrade Considerations](#)
- [Oracle Tuxedo Software Components](#)
- [Supported Platforms](#)
- [Online Documentation](#)
- [How to Obtain Patches](#)

## About This Oracle Tuxedo Release

This topic includes the following sections:

- [What's New and Improved](#)
- [Installation Upgrade Considerations](#)
- [Oracle Tuxedo Software Components](#)

## What's New and Improved

Oracle Tuxedo Release 10g Release 3 (10.3) includes the following new features and enhancements:

### IPv6 Support

IPv6 is the next generation protocol designed by the IETF to replace the current version Internet Protocol, IP Version 4 (IPv4). The most obvious improvement in IPv6 over the IPv4 is that IP addresses are lengthened from 32 bits to 128 bits. It also adds many improvements to IPv4 in areas such as routing and network autoconfiguration.

For more information on using IPv6 with Oracle Tuxedo 10g R3, see [Enabling IPv6](#) in the *Oracle Tuxedo Administration Guide*.

### Application-Created Context in ATMI Server

Two new APIs, `tpappthrinit(3c)` and `tpappthrterm(3c)`, are provided for application-created thread in ATMI server to create and terminate separate Tuxedo context. In context created using `tpappthrinit(3c)`, the application-created server thread can initiate service requests and define transactions.

For more information, see [Programming a Multithreaded and Multicontexted ATMI Application](#) in the *Oracle Tuxedo Programming Guide*.



## Oracle Tuxedo Access Log

Assists Tuxedo client administrators to monitor application validity at runtime. You can record application high water client count, current client count, and named users.

## Enhancements

- CLOPT Length

The CLOPT length of a Tuxedo ATMI server in UBBCONFIG is increased from 256 to 1024.

- FML/FML32 Field Name Length

The field name length of an FML/FML32 buffer is increased from 30 to 254.

- `tlisten(1)` password encryption

`tlisten.pw` file is system-encrypted. To add or change passwords, you must use `tlistpwd(1)`.

- Dynamic DMIB Update

Allow re-configuring the listening address of the remote domain gateway without shutting down the local domain.

- Domain Gateway Persistent Disconnect

Local domain with a `PERSISTENT_DISCONNECT` connection policy will neither connect to nor accept connect request from any remote domain.

## 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 Oracle Tuxedo 10g Release 3 (10.3), see “[Upgrading the Oracle Tuxedo System to Release 10g Release 3 \(10.3\)](#)” in *Installing the Oracle Tuxedo System*.

## Oracle Tuxedo Software Components

The Oracle Tuxedo software consists of the following components:

- Oracle 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:

- Oracle Tuxedo ATMI servers
  - Oracle Tuxedo /WS clients
  - Oracle Tuxedo Native clients
  - Oracle Tuxedo .NET Workstation clients
  - Oracle Tuxedo infrastructure
- Oracle 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)
  - Oracle Tuxedo object infrastructure
- Oracle Jolt 10g Release 3 (10.3) software
- Oracle Jolt is a Java-based interface to the Oracle Tuxedo system that extends the functionality of existing Oracle Tuxedo applications to include intranet- and Internet-wide availability.
- Oracle SNMP Agent software
- Oracle SNMP Agent for Oracle Tuxedo and Oracle WebLogic Enterprise is a Simple Network Management Protocol (SNMP) agent that enables Oracle Tuxedo and Oracle WebLogic Enterprise applications to be managed from an Enterprise Management Console.

## Supported Platforms

Oracle Tuxedo software runs on the platforms listed in the following sections. Oracle has certified these platforms for development and production use with the Oracle Tuxedo release 10g Release 3 (10.3) product. Oracle can provide customer support only for these platforms. Note that although Oracle has attempted to implement the Oracle Tuxedo software in a manner that conforms to industry-standards, it is not feasible for Oracle 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 Oracle Tuxedo 10g Release 3 (10.3). For information regarding subsequent ports and certifications, please refer to the Platform Support information on the Oracle web site at the following link: [Oracle Tuxedo 10g Release 3 \(10.3\) Platform Data Sheets](#).

## COBOL Support

For more information, see [Oracle Tuxedo 10g Release 3 \(10.3\) Platform Data Sheets](#).

## Database Support

Oracle 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, Oracle Tuxedo provides an LDAP-based certificate retrieval mechanism. This retrieval mechanism has been certified for use with the iPlanet Directory Server and IDM (Oracle Identity Management) 10g (10.1.4.0.1).

## Integration with Other Oracle Products

Oracle Tuxedo is able to integrate with the following Oracle products:

- Coherence 3.4.1 C++ client + patch 4 (Windows, SUSE Linux 10 32/64bit)
- Clusterware 11g (11.1.0.6.0)

## Online Documentation

The Oracle Tuxedo 10g Release 3 (10.3) product documentation is available at:

<http://www.oracle.com/technology/documentation/index.html>.

# How to Obtain Patches

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

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