Deprecation of Link Level Encryption (LLE) in Tuxedo and WebLogic Server (Doc ID 1930466.1)

In this Document

APPLIES TO:

Oracle WebLogic Server - Version 8.1 and later
Oracle Tuxedo - Version 8.1 and later
Information in this document applies to any platform.

GOAL

This note is to announce deprecation of our support for LLE in Tuxedo version 10.0 and later and in WebLogic Server version 10.3 and later beginning immediately.

SOLUTION

This note applies to Oracle Tuxedo customers who make use of Link Level Encryption (LLE) to encrypt network connections such as between /Ws clients and WSL and between two domains. For more information about using LLE with Tuxedo, see Administering Link-Level Encryption.

This note also applies to Oracle WebLogic Server customers who make use of LLE to encrypt connections between Tuxedo domains and WebLogic Server via WebLogic Tuxedo Connector (WTC). For information about using LLE with WebLogic Server's WTC component, see Oracle WebLogic Tuxedo Connector Administration.

This note is to announce deprecation of our support for LLE in Tuxedo version 10.0 and later and in WebLogic Server version 10.3 and later beginning immediately. Even though customers can continue to use LLE in Tuxedo and WebLogic Server deployments, we recommend that customers use SSL as the replacement for LLE to secure network connections to or from Tuxedo servers. The SSL implementation provides the most up-to-date encryption algorithms based on prevailing security standards to secure customer deployments. Deprecation of LLE applies to all network connections in a Tuxedo application, including:

- From Workstation clients (including .net clients) to WSL
- From Jolt clients to JSL
- From CORBA IIOP clients to ISL
- From Tmboot to tlisten
- Between BRIDGE processes in an MP configuration
- From a Tuxedo domain to another Tuxedo domain (between GWTDOMAINS)
- Between Tuxedo domains and WebLogic Server's WTC
- Between Tuxedo domains and Tuxedo JCA Adapter
- From Tuxedo Mainframe Adapter SNA's GWSNAX to CRM

Information about configuring SSL with Tuxedo applications is discussed in the following document: Administering SSL Encryption. Information about configuring SSL with WebLogic Server's WTC component is discussed in the following document: Oracle WebLogic Tuxedo Connector Administration.

LLE will be removed from yet to be determined versions of Oracle Tuxedo and Oracle WebLogic Server.

Tuxedo 12.1.3 RP005 adds a warning message:

```
WARNING: LLE Configuration discovered! Note that LLE has been deprecated. You should upgrade to SSL to secure
network links.
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RP005 (or greater) also provides a Tuxedo environment variable or a JOLT property for suppressing the message:

- Internal Tuxedo environment variable: LLE_DEPRECATION_WARN_LEVEL
  NONE: No warning
  ONCE: warning once for one process

Other value (default): warning every time when a LLE connection initializes.
- Internal Jolt environment variable: tuxedo.jolt.LLEDeprecationWarnLevel
  NONE: No warning
  ONCE: warning once for one process
  Other value (default): warning every time when a LLE connection initializes.

REFERENCES

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