

# Oracle® TimesTen In-Memory Database

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# About This Content

This document provides the licensing information for Oracle TimesTen In-Memory Database and all third-party software used in TimesTen.

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This guide is for anyone interested in TimesTen.

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## **Related Resources**

For more information about licensing, see these resources:

- [Oracle Software Licensing Basics](#) to learn more about the Named User Plus or Processor metrics, which two of the TimesTen licensing options use
- [Oracle Global Pricing and Licensing](#) to familiarize yourself with Oracle's pricing

# 1

## Oracle TimesTen In-Memory Database Licensing Options

Oracle TimesTen In-Memory Database is available in these licensing options:

- [Oracle TimesTen In-Memory Database Licensing and Restrictions](#)
- [Oracle TimesTen Application-Tier Database Cache Licensing and Restrictions](#)
- [Oracle TimesTen Express Edition Licensing and Restrictions](#)

The Oracle TimesTen In-Memory Database and Oracle TimesTen Application-Tier Database Cache can be licensed using the Named User Plus or Processor metrics. See [Oracle Software Licensing Basics](#) to learn more about these two metrics. The Oracle TimesTen In-Memory Database Express Edition license is free.

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This license is intended for use cases that involve TimesTen caching data on an Oracle Database. The deployed TimesTen architecture must have at least one table that has a caching relationship with data in an Oracle Database.



#### Note:

When deploying TimesTen Scaleout, it is not necessary to license the CPUs used for the management instances or for the ZooKeeper servers.

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- Oracle Global Customer Support does not provide support for TimesTen XE. However, community support is available through the [TimesTen Community](#).
- TimesTen XE is only available for the Linux x86-64 platform.
- The maximum value permitted for `PermSize` is 16 GB. This applies to each TimesTen Classic database and each element in a TimesTen Scaleout database.
- When deploying as TimesTen Scaleout, the maximum K-safety factor supported is 2.
- When deploying as TimesTen Scaleout, the maximum number of elements supported is four. You can create a grid and database using  $k = 1$  with four replica sets or a grid and database using  $k = 2$  with two replica sets.
- Using Oracle Clusterware to manage TimesTen Classic active-standby replication schemes is not supported.
- Using Oracle Enterprise Manager to manage TimesTen XE instances or databases is not supported.
- Mixing TimesTen and TimesTen XE within a Classic replicated configuration or within the same Scaleout grid is not supported.

# 2

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See <https://github.com/beorn7/perks/blob/master/README.md> for license details.

Go support for Protocol Buffers - Google's data interchange format

<http://github.com/golang/protobuf/>

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Support for streaming Protocol Buffer messages for the Go language (golang).

[https://github.com/matttproud/golang\\_protobuf\\_extensions](https://github.com/matttproud/golang_protobuf_extensions)

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==source URL: <https://repo1.maven.org/maven2/org/slf4j/slf4j-api/1.7.36/>

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Jackson is a high-performance, Free/Open Source JSON processing library. It was originally written by Tatu Saloranta (tatu.saloranta@iki.fi), and has been in development since 2007. It is currently developed by a community of developers.

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