

# Oracle Database Standard Edition 2

Affordable, Full-Featured Database for SMB Customers

**Oracle Database Standard Edition 2** is an affordable, full-featured database built for unprecedented ease of use, power, and performance. From single-server environments for small business to highly distributed branch environments, Oracle Database Standard Edition 2 includes all the features necessary to build business applications:

- Optimized for deployment in small enterprises, line-of-business departments, and distributed branch environments
- Offers a new cloud-ready container database architecture, making it easier to migrate to the cloud
- Includes rapid application development tools and supports a wide range of developer frameworks and data types including XML and JSON
- Supports enterprise-class high availability with Oracle Real Application Clusters (Oracle RAC)
- Provides complete upward compatibility, protecting your investment as your usage requirements grow
- Available on servers supporting a maximum of two sockets on all Oracle-supported operating systems, including Windows, Linux, and Unix
- SE2 can be licensed on 2-socket servers where the current core counts run as high as 36-cores per server, and up to 16 threads per database instance. The max core counts per 2-socket server increase over time without impacting customer license obligation.

## Why Oracle Database Standard Edition 2?

Oracle Database Standard Edition 2 (SE2) streamlines the existing Standard Edition (SE) and Standard Edition One (SE1) offerings into a single offering going forward that continues to provide an affordable enterprise class database for SMB customers. When SE was first introduced single and dual core CPUs were the norm. Today, we have 18 core CPUs and 32 core CPUs are around the corner. Not to mention that per core performance has increased greatly. This offering takes into account the ongoing hardware trend of increasing cores per socket. This trend has essentially made 4 socket servers obsolete. Therefore, SE2 aligns us better with what customers are

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DATABASE

## BENEFITS

- Greater functionality including high availability and rapid application development tools supporting a wide range of developer frameworks.
- Cost effective license model – licensed per Socket vs. Cores regardless of how many cores are added over time
- Easy migration to the cloud
- Provides an easy path for scale and growth to Enterprise Edition or Oracle Cloud.
- Zero-cost license migration from either SE or SE1 to SE2.

using.

## What does this mean if I'm currently licensed to use Oracle Database Standard Edition One (SE1)?

**Investment Protection:** You can choose to stay with Oracle Database Standard Edition One and Oracle will continue to offer support as per our support policies.

**Zero-Cost License Migration:** You can choose to upgrade to Oracle Database Standard Edition 2 without incurring any additional license cost.

**Greater Functionality and Value:** With a minor support cost uplift (20%) which averages to about \$500 per socket, across all SE1 customers, you gain access to enterprise capabilities including RAC for high availability and new features such as a container database architecture that makes it easy to migrate to the cloud, and JSON and XML support that enable big data analysis and provide an enterprise class document store. Refer to the Database Licensing Information for more details about the features including in this edition.

**Cost and Scalability Advantage:** Oracle Database Standard Edition 2 can be licensed on 2-socket servers, where the current core counts run as high as 36-cores per server, and up to 16 threads per database instance. The maximum core counts per 2-socket server can increase over time without impacting customer license obligation. With Oracle, customer license costs remain the same regardless of the number of cores in the socket. Each SE2 database can use 16 threads, and since most customers run multiple databases on a single 2-socket server to exploit the full server CPU capacity, no matter how many databases they run on a single server, their license obligation is for 2-sockets only.

## What does this mean if you are currently running Oracle Database Standard Edition (SE)?

**Same Price:** For SE customers the per socket price stays the same with SE2.

**Investment Protection:** Customers can choose to stay with SE. Oracle will continue to offer Support as per our support policies.

**More Functionality and Value:** Customers continue to have access to RAC for high availability. They also get many new features such as container database architecture that makes it easy to migrate to the cloud, and JSON and XML support that enable big data analysis and provide an enterprise class document store. Refer to the official internal announcement for more details about the features including in this edition.

**Cost and Scalability Advantage:** SE2 can be licensed on 2-socket servers,

where the current core counts run as high as 36-cores per server, and up to 16 threads per database instance. The max core counts per 2-socket server increase over time without impacting customer license obligation. With Oracle, customer license costs remain the same regardless of the number of cores in the socket. Each SE2 database can use 16 threads, and since most customers run multiple databases on a single 2-socket server to exploit the full server CPU capacity, no matter how many databases they run on a single server, their license obligation is for 2-sockets only.

### With SE, I could scale my license to up to 4 sockets, but I can only scale to 2 sockets with SE2.

A very small percent of the install base uses SE with 4 socket systems. The most common configuration is 2-socket. For a small percent of customers that do run SE on 4 sockets systems you have the following options

- With socket based pricing, you have significant processing capacity on a 2-socket machine (probably far more than older 4 socket systems).
- Continue to stay with SE for their existing license and Oracle will continue to support it as per support policies.
- Consider an upgrade to Oracle Enterprise Edition or Oracle Cloud Database Service.

### With SE/SE1 there was no limit on CPU threads but now there is a cap of 16 threads per database.

- The bulk of SE and SE1 customers are probably utilizing 8 threads at most today so the issues around threading caps are perhaps less critical than it seems

Given that most of our SE and SE1 customers are already running on 2 socket servers, the bulk of our customers will not be impacted by this change in licensing.

### Better Value. Greater Functionality.

Oracle Database Standard Edition 2 provides an affordable, full-featured database with a multitude of new features and is built for ease of use, power, and performance, providing an easy path for scale and growth to the cloud.

#### MORE INFORMATION

Please refer to the following for more information:

[Oracle Standard Edition 2 Home Page](#)

[Database Licensing Policy](#)