

ORACLE DATABASE 10G STANDARD EDITION

OVERVIEW



STANDARD EDITION

- For organizations supporting between 1-1000 users
- Databases up to around 500 Gb of data
- Built-in Real Application Cluster support for higher levels of system uptime.
- Either \$300 per Named User Plus (minimum of 5 Users)
- Or \$15,000 per CPU (Maximum of four CPUs) for unlimited use.
- Simplified Installation and Configuration, Built-in Automated Management
- Suitable for All Data, All Applications
- Proven Performance, Availability, Security and Reliability
- Fully Upgradeable to Oracle Database 10g Enterprise Edition

Oracle Database 10g Standard Edition is suitable for medium-sized business environments. It includes Oracle's Real Application Cluster capabilities to provide protection against hardware outages. It is easy to install and configure, and comes complete with its own cluster-ware, storage management and other self-managing capabilities. Oracle Database 10g Standard Edition manages all your data, and allows all your business applications to take advantage of the proven performance, security and reliability provided by the Oracle Database. It also provides complete upward compatibility with Oracle Database 10g Enterprise Edition, protecting your investment as your usage requirements grow.

Supported Deployment Environments

Oracle Database 10g Standard Edition is optimized for deployment in medium-sized business environments. It is supported on either a single server supporting up to a maximum of 4 CPUs, or on a clustered server environment, with a total maximum of 4 CPUs in the cluster. Oracle Database 10g Standard Edition is available on all Oracle's supported operating systems, including Windows, Linux and Unix.

Easy Install and Configuration, Built-in Self Management Capabilities

Severity	Target Name	Target Type	Category	Name	Message	Alert Triggered	Last Value	Last Time
x	pacrac	Cluster Database	Tablespaces Full (dictionary managed)	Tablespace Space Used (%) (dictionary managed)	Tablespace [SYSTEM] is 100.56 percent full	Jan 28, 2004 3:22:29 PM	98.56	Jan 28, 2004 8:52:29 PM

Figure 1. Oracle Enterprise Manager 10g Database Control for a 2 Node RAC Cluster

RELATED PRODUCTS

Oracle Database 10g Standard Edition includes Oracle's unique HTML DB capabilities, an online development environment built directly into the database that allows developers to quickly build database applications using nothing more than a Web browser.

Oracle Database 10g Standard Edition is a part of the family of Oracle Products. The following related editions are also available

- Oracle Database 10g Enterprise Edition
- Oracle Database 10g Standard Edition One
- Oracle Database 10g Personal Edition

Oracle Database 10g Standard Edition provides a very quick install on both clustered and single server environments. Out of the box, your database is pre-configured for production usage, complete with automated space, storage and memory management, automatic backup and recovery, and automatic optimizer statistics management. The built-in Enterprise Manager 10g Database Control console provides a web-based interface that shows at a glance, the current status of your database and cluster environment, and allows database administration actions from any browser connected to your system. Oracle Database Standard Edition also takes full advantage of Oracle's own built-in clusterware solution, removing the complexity of having to install and configure third-party clusterware. And the automatic storage management capabilities efficiently stripe the data stored across the available disks, ensuring optimal performance, and removing the need for third-party volume managers or cluster file systems.

All Data, All Applications

As a full featured edition of Oracle's industry leading database, Oracle Database 10g Standard Edition supports all standard relational data types, as well as native storage of XML, Text, Documents, Images, Audio, Video and Location data. Access to data is via standard interfaces such as SQL, JDBC, SQLJ, ODBC .Net, OLE .Net and ODP .Net, SQL/XML and XQuery, and WebDAV. Stored procedures deployed in the database can be written in both Java and PL/SQL. Oracle Database 10g Standard Edition also provides built-in analytical, statistical and modeling capabilities that can be used in any SQL based Business Intelligence environment.

Proven Performance, Availability, Security and Reliability

Oracle Database Standard Edition uses the same proven concurrency techniques as the Enterprise Edition of the Oracle Database, ensuring maximum throughput for all workloads. When run on a cluster, your workload is automatically balanced across the available machines, ensuring maximum utilization of your hardware. Clustering your environment with Real Application Clusters also protects your business applications from system outages. When a machine fails, or needs maintenance, your applications can continue to access data un-interrupted on the other machines in the cluster. Automated data mirroring and backup and recovery capabilities protect your business data from common causes of data loss, without the need for expensive storage solutions. Powerful Flashback Query capabilities allow you to easily see and recover older versions of data, without the need to perform complex and time-consuming recovery operations.

Robust support for database roles, auditing, and data encryption provides strong access control and accountability to address your security and privacy needs.

And because Standard Edition is built from the same code base as the Enterprise Edition of the Oracle Database, you can rest assured that you are getting the mission-critical reliability Oracle is renowned for. When needed, you can simply upgrade from Standard Edition to the Enterprise Edition, protecting your existing investment now and into the future.