



Oracle Database 11g Comparison Chart

Key Feature Summary	Express Edition 10g	Standard Edition One	Standard Edition	Enterprise Edition
Maximum	1 CPU	2 Sockets	4 Sockets	No Limit
RAM	1GB	OS Max	OS Max	OS Max
Database Size	4GB	No Limit	No Limit	No Limit
Windows	●	●	●	●
Linux	●	●	●	●
Unix		●	●	●
64 Bit Support		●	●	●
High Availability				
Total Recall Provides secure, efficient, easy-to-use and application-transparent solution for long-term storage of historical data.				Option
Active Data Guard Enhances disaster protection investments by offloading resource intensive operations to a single physical standby database, enhancing overall quality of service.				Option
Fail Safe Configure, verify Windows clusters and automatically fail over fast and accurately through high availability software integrated with Microsoft Cluster Server.		●	●	●
Flashback Query Recover older versions of data without complex, time-consuming operations.	●	●	●	●
Flashback Table, Database and Transaction Query Diagnose and undo errors to reduce recovery time.				●
Oracle Secure Backup Secure, high performance tape backup management for the Oracle Database and heterogenous file systems reducing the cost and complexity of networked data protection.	Oracle Secure Backup is its own product that works with each database edition			
Server Managed Backup and Recovery Simplify, automate, and improve backup and recovery performance with Oracle Recovery Manager (RMAN).		●	●	●
Scalability				
Real Application Clusters Run any packaged or custom application unchanged across multiple connected, or			●	Option

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"clustered," servers.

Integrated Clusterware

Create and operate database clusters with a set of common, built-in clustering services.

Automatic Workload Management

Route service connection requests to appropriate server with lowest load; on failure, automatically reallocate surviving servers to services.

Java, PL/SQL Native Compilation

Write stored procedures deployed in the database in both Java and PL/SQL.

In-Memory Database Cache

Increases responsiveness and throughput by caching frequently used data in memory.

PL/SQL only

Security

Oracle Database Vault

Restricts super-user and privileged-user access across applications and data.

Oracle Audit Vault

Automates the collection and analysis of audit data from multiple systems, turning audit data into a key security resource.

Oracle Advanced Security

Address privacy and compliance requirements.

Oracle Label Security

Provides out-of-the-box row-level security. Compare user security clearances with data classification labels attached to data rows.

Secure Application Roles

Enable roles only after a user passes any number of security checks.

Virtual Private Database

Enforce data security and privacy with customisable, policy-based access control down to the row level.

Fine-Grained Auditing

Allows highly focused auditing with almost no 'background noise'.

Proxy Authentication

Detects and authenticates users connecting through a middle-tier application.

Data Encryption Toolkit

Protect vital data by providing an extra layer of protection for data on storage media.

Application Development



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Oracle SQL Developer

Graphical tool that enhances productivity and simplifies database development tasks.

Application Express

Develop and deploy fast, secure applications with a rapid web application development tool.

Java Support

Grid-enable databases through Web Services.

Comprehensive XML Support

Store and retrieve XML natively with support for the W3C XML data model; use standard access methods for navigating and querying XML.

PL/SQL and Java Server Pages

Utilise a server-side Java and stored procedural language; secure, portable and seamless with SQL.

Comprehensive Microsoft .Net Support, SQL, DB, ODBC

Support multiple Windows data access methods.

	●	●	●	●
	●	●	●	●
		●	●	●
	●	●	●	●
PL/SQL only		●	●	●
	●	●	●	●

Manageability

Real Application Testing

Reduces risk and costs of adopting new technologies, whether it's operating systems, servers, or software.

Option

Enterprise Manager

Manage and monitor all applications and systems based on the Oracle stack via a single, integrated console.

Automatic Memory Management

Automate management of shared memory used by an Oracle Database instance.

Automatic Storage Management

Consistent storage management interface across all server and storage platforms.

Automatic Undo Management

Monitor configuration of all Oracle systems for parameter settings, security set-up, storage and file space conditions.

		●	●	●
	●	●	●	●
		●	●	●
	●	●	●	●

Data Warehousing

Advanced Compression

Compresses all types of data, including structured and unstructured data, to help you use resources more efficiently and lower storage costs.

Option

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OLAP

Use built-in analytical workspaces for Online Analytical Processing (OLAP).

Option

Partitioning

Enables large tables and indexes to be split into smaller, more manageable components, without requiring changes to underlying applications.

Option

Data Mining

Enables efficient information extraction from the very largest databases and integration with business intelligence applications.

Option

Transportable Tablespaces, Including Cross-Platform

Transport a set of tablespaces from one database to another, or from one database to itself.

●

Star Query Optimisation

Join a fact table and a number of dimension tables.

PL/SQL only

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●

Information Lifecycle Management

Understand how data evolves, determine how it grows, monitor how its usage changes and decide how long it should be kept.

●

Summary Management - Materialised View Query Rewrite

Automatically recognising materialised view usage to satisfy requests.

●

Oracle Warehouse Builder

Transforms disparate raw data into high-quality information optimised for business reporting and analytics.

Core ETL features included

Core ETL features included

Enterprise ETL, Data Quality, and Connectors Options available

Integration

Oracle Streams

Propagate and manage data, transactions, and events in a data stream either within a database, or from one database to another.

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Advanced Queuing

Allow database queues to serve as durable message stores via queue-based publish-subscribe.

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Distributed Queries/Transactions

Query or update data on two or more distinct nodes of a distributed database.

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Content Management

XML DB

High-performance, native XML storage and

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retrieval technology.

Multimedia

Develop, deploy, and manage traditional, Web, and wireless applications that include rich media in the most-popular formats.

Text

Build text query applications and document classification applications.

Locator

Manage geospatial data to leverage the business value of location.

Spatial

Support for sophisticated GIS deployments.

Secure Enterprise Search

Internet-like search experience to users searching secure content inside the enterprise while protecting sensitive data from unauthorised users.

Oracle Content Database

Ready-to-use Web services to seamlessly integrate content management capabilities into the business processes.

