

Oracle® Database Express Edition

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11g Release 2 (11.2)

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Welcome to the *Oracle Database Express Edition Licensing Information*. This guide covers the following Oracle Database Express Edition (Oracle Database XE) topics:

- [Oracle Database Express Edition License Agreement](#)
- [Feature Availability](#)
- [Third-Party Licenses](#)
- [Documentation Accessibility](#)

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2 Feature Availability

This section covers the following topics:

- [Options and Major Features Not Included](#)
- [Application Development, Language, and Database Features](#)
- [Availability/Backup and Recovery Features](#)
- [Security Features](#)
- [Manageability Features](#)
- [Data Movement/Integration Features](#)
- [Networking Features](#)

2.1 Options and Major Features Not Included

The following options and major features are not included with Oracle Database XE:

- Development Platform
 - Oracle Precompilers (Pro*C/C++, Pro*Cobol)
 - SQLJ
- High Availability:

- Automatic Block Repair
- Block change tracking for fast incremental backup
- Block-level media recovery
- Duplexed backup sets
- Fast-start fault recovery
- Flashback Database
- Flashback Data Archive
- Flashback Table
- Flashback Transaction
- Lost Write Protection
- Online index rebuild
- Online index-organized table organization
- Online table redefinition
- Oracle Active Data Guard
- Oracle Data Guard-Redo Apply
- Oracle Data Guard-Snapshot Standby
- Oracle Data Guard-SQL Apply
- Oracle Fail Safe
- Oracle RAC One Node
- Parallel backup and recovery
- Rolling Upgrades-Patch Set, Database, and Operating System
- Tablespace point-in-time recovery
- Trial recovery
- Unused block compression in backups
- Oracle Total Recall
- Scalability
 - Automatic Workload Management
 - Oracle Real Application Clusters
- Security
 - Advanced Security Option
 - Fine-grained auditing
 - Oracle Database Vault
 - Oracle Label Security
 - Oracle Virtual Private Database
 - Secure External Password Store
 - SecureFiles Encryption

- Performance
 - Client Side Query Cache
 - Database Smart Flash Cache
 - In-Memory Database Cache
 - PL/SQL Function Result Cache
 - Query Results Cache
 - Server Flash Cache
 - Support for Oracle Exadata Storage Server Software
 - Xstream
- Manageability
 - Database Resource Manager
 - Deferred segment creation
 - Instance Caging
 - Oracle Change Management Pack
 - Oracle Configuration Management Pack
 - Oracle Diagnostic Pack
 - Oracle Real Application Testing
 - Oracle Provisioning and Patch Automation Pack
 - Oracle Tuning Pack
 - SQL Plan Management
- VLDB, Data Warehousing, Business Intelligence
 - Asynchronous Change Data Capture
 - Basic Table Compression
 - Bitmapped index, bitmapped join index, and bitmap plan conversions
 - Deferred Segment Creation
 - In-memory Parallel Execution
 - Oracle Advanced Compression
 - Oracle Data Mining
 - Oracle Data Profiling and Quality
 - Oracle Data Watch and Repair Connector
 - Oracle OLAP
 - Oracle Partitioning
 - Parallel Data Pump Export/Import
 - Parallel index build/scans
 - Parallel query/DML
 - Parallel Statement Queuing

- Parallel statistics gathering
- Summary management-Materialized View Query Rewrite
- Transportable tablespaces, including cross-platform
- Integration
 - Advanced Replication
 - Gateway for DRDA
 - Gateway for Informix
 - Gateway for SQL Server
 - Gateway for Sybase
 - Gateway for Teradata
 - Messaging Gateway
 - Oracle Streams
- Content Management
 - Oracle Multimedia
 - Semantic Technologies (RDF/OWL)
- Spatial and Location Data
 - Multimaster replication of SDO_GEOMETRY objects
 - Oracle Spatial
 - Parallel spatial index builds
 - Partitioned spatial indexes
- Networking
 - Infiniband Support
 - Oracle Connection Manager

2.2 Application Development, Language, and Database Features

Table 1 lists the availability of application development, language, and database features in Oracle Database XE. \

Table 1 Application Development, Language, and Database Features

Feature	Availability
SQL*Plus	Yes
Integrated Web Application Development Environment	Yes (Oracle Application Express, no Application Express application authentication using Oracle Application Server Single Sign-On)
Database Web services	No
PL/SQL stored procedures and triggers	Yes
PL/SQL server pages	Yes

Table 1 (Cont.) Application Development, Language, and Database Features

Feature	Availability
PL/SQL native compilation	Yes
JDBC drivers	Yes (client-side JDBC only)
Java support in the database	No
Java Server Pages	No
Java native compilation	No
SQLJ	No
XML support in the database	Yes (no JNDI, or Servlet support)
Native .NET data provider support ¹	Yes (Windows only)
ASP.NET Providers	Yes (Windows only)
OLE DB support	Yes (Windows only)
ODBC support	Yes (Windows and UNIX)
.NET Stored Procedures	Yes (Windows only)
Microsoft Distributed Transaction Coordinator support	Yes (Windows only)
COM Automation	No (Windows only)
Oracle Objects for OLE (OO4O)	No (Windows only)
Windows VLM Support, 4GB RAM Tuning	No (Windows only)
Large Page memory support	Yes (Windows only)
Active Directory integration	Yes (Windows only; no storing of tnsnames.ora file in Active Directory)
DML triggers	Yes
Database event triggers	Yes
Instead-of triggers	Yes
Index-organized tables	Yes
Temporary table	Yes
Data Compression	No
Objects and Extensibility	Yes
LOB (large object) support	Yes
Oracle Text	Yes (English/French Knowledge Bases not supplied, nor are the following features: RULE_CLASSIFIER, SVM_CLASSIFIER, and KMEAN_CLUSTERING)
Oracle Locator	Yes
Function-based index	Yes
Bitmapped index, bitmapped join index	No
Regular Expressions	Yes

Table 1 (Cont.) Application Development, Language, and Database Features

Feature	Availability
Sample Scan	Yes
SQL Model	Yes
SQL Analytic functions	Yes
Summary Management	No
Materialized View Query Rewrite	No
Star query transformation	Yes (B-tree indexes only)
Parallel query/DML	No
Parallel statistics gathering	No
Parallel index build/scans	No
Parallel export/import	No
Globalization support	Yes (limited character sets and language translations; see <i>Oracle Database Express Edition Installation Guide</i>)
Multiple block size support	Yes

¹ The following ODP.NET APIs are not supported with Oracle Database XE: `ExecuteNonQuery()` (only when `XmlCommandType` is set to an enumeration value other than `OracleXmlCommandType.None`); `ExecuteXmlReader()`; `ExecuteStream()`; `ExecuteToStream()`. These ODP.NET APIs depend on Java VM in the database, which is not included with Oracle Database XE.

2.3 Availability/Backup and Recovery Features

Table 2 lists the available Availability/Backup and Recovery features in Oracle Database XE.

Table 2 Availability/Backup and Recovery Features

Feature	Availability
Drop column	Yes
Rename column, constraint	Yes
Online schema reorganization/redefinition	No
Flashback Query	Yes
Flashback Table	No
Flashback Database	No
Flashback Transaction Query	No
Server-managed backup and recovery	No
Online Backup	Yes
Backup Unused Block Compression	No
Backup Encryption	No
Incremental backup and recovery	Yes (no change tracking file or optimized incremental backup capability)

Table 2 (Cont.) Availability/Backup and Recovery Features

Feature	Availability
Duplexed backup sets	No
Fast-Start Selectable Recovery Time	No
Block-level media recovery	No
Parallel backup and recovery	No
Point-in-time tablespace recovery	No
Trial recovery	No
Rolling Upgrade Support – Patch Set, Database and O/S	No
Oracle Logminer	Yes

2.4 Security Features

Table 3 lists the available security features in Oracle Database XE.

Table 3 Security Features

Feature	Availability
Encryption toolkit	Yes
Virtual Private Database	No
Fine grained auditing	No

2.5 Manageability Features

Table 4 lists the available manageability features in Oracle Database XE.

Table 4 Manageability Features

Feature	Availability
Automatic Storage Management	No
Automatic Datafile Management	Yes
Automatic Memory Management	Yes
Automatic Undo Management	Yes
Automatic Optimizer Statistics Management	Yes
Server-generated Alerts	Yes
Database Resource Manager	No

2.6 Data Movement/Integration Features

Table 5 lists the available data movement and integration features in Oracle Database XE.

Table 5 Data Movement/Integration Features

Feature	Availability
Direct Path Load API	Yes
External tables	Yes

Table 5 (Cont.) Data Movement/Integration Features

Feature	Availability
External procedures	Yes
Synchronous Change Data Capture	No
Asynchronous Change Data Capture	No
Transportable tablespaces, including cross-platform	No
Advanced Queuing	Yes
Basic Replication	Yes (read-only and updateable materialized view site only)
Advanced Replication	No
Distributed queries	Yes
Distributed transactions	Yes
Gateway for DRDA	No
Gateway for Informix	No
Gateway for SQL Server	No
Gateway for Sybase	No
Gateway for Teradata	No
Database Gateway for ODBC	Yes

2.7 Networking Features

Table 6 lists the available networking features in Oracle Database XE.

Table 6 Networking Features

Feature	Availability
Directory connectivity	No

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3.15 Codemirror: JavaScript Editor

Oracle gratefully acknowledges the contributions of Marijn Haverbeke in creating CodeMirror, which was used in creating this product.

3.16 DataDirect: Connect64 for ODBC; Connect for JDBC, ADO.NET; ODBC Core Components for UNIX; Spy and Test for JDBC

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3.17 Frederico Caldiera Knabben (FredCK.com): FCKeditor

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3.18 FreeBSD: MD5_Crypt

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3.23 Jean-loup Gailly and Mark Adler: zlib

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3.24 John Resig: Hotkeys

jQuery Hotkeys Plugin

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Based upon the plugin by Tzury Bar Yochay:

<http://github.com/tzuryby/hotkeys>

Original idea by:

Binny V A, http://www.openjs.com/scripts/events/keyboard_shortcuts/

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3.27 jQuery: Autocomplete plugin

jQuery Autocomplete plugin 1.1 (Modified to work with Oracle Application Express)

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3.28 jQuery: Bgiframe plugin

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`lib/gssapi/generic/gssapi_err_generic.et`

`lib/gssapi/mechglue/g_accept_sec_context.c`

lib/gssapi/mechglue/g_acquire_cred.c
lib/gssapi/mechglue/g_canon_name.c
lib/gssapi/mechglue/g_compare_name.c
lib/gssapi/mechglue/g_context_time.c
lib/gssapi/mechglue/g_delete_sec_context.c
lib/gssapi/mechglue/g_dsp_name.c
lib/gssapi/mechglue/g_dsp_status.c
lib/gssapi/mechglue/g_dup_name.c
lib/gssapi/mechglue/g_exp_sec_context.c
lib/gssapi/mechglue/g_export_name.c
lib/gssapi/mechglue/g_glue.c
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lib/gssapi/mechglue/g_init_sec_context.c
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lib/gssapi/mechglue/g_rel_buffer.c
lib/gssapi/mechglue/g_rel_cred.c
lib/gssapi/mechglue/g_rel_name.c
lib/gssapi/mechglue/g_rel_oid_set.c
lib/gssapi/mechglue/g_seal.c
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lib/gssapi/mechglue/g_store_cred.c
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Any attempt to unbundle the AnyChart Flash Chart Component from an Oracle product, or to use the AnyChart Flash Chart Component outside of the Oracle product will be in violation of this license and will result in the immediate termination of this license.

3.36 SourceForge: Expat - C library for XML Parser

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3.37 SpringSource: Spring Framework

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3.38 Stilbuero: Cookie

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3.39 Vakata: jsTree

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3.40 xmlsoft.org: libxml2

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