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>
<thead>
<tr>
<th>Feature</th>
<th>Availability</th>
</tr>
</thead>
<tbody>
<tr>
<td>SQL*Plus</td>
<td>Yes</td>
</tr>
<tr>
<td>Integrated Web Application Development Environment</td>
<td>Yes (Oracle Application Express, no Application Express application authentication using Oracle Application Server Single Sign-On)</td>
</tr>
<tr>
<td>Database Web services</td>
<td>No</td>
</tr>
<tr>
<td>PL/SQL stored procedures and triggers</td>
<td>Yes</td>
</tr>
<tr>
<td>PL/SQL server pages</td>
<td>Yes</td>
</tr>
<tr>
<td>Feature</td>
<td>Availability</td>
</tr>
<tr>
<td>----------------------------------------------</td>
<td>------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>PL/SQL native compilation</td>
<td>Yes</td>
</tr>
<tr>
<td>JDBC drivers</td>
<td>Yes (client-side JDBC only)</td>
</tr>
<tr>
<td>Java support in the database</td>
<td>No</td>
</tr>
<tr>
<td>Java Server Pages</td>
<td>No</td>
</tr>
<tr>
<td>Java native compilation</td>
<td>No</td>
</tr>
<tr>
<td>SQLJ</td>
<td>No</td>
</tr>
<tr>
<td>XML support in the database</td>
<td>Yes (no JNDI, or Servlet support)</td>
</tr>
<tr>
<td>Native .NET data provider support¹</td>
<td>Yes (Windows only)</td>
</tr>
<tr>
<td>ASP.NET Providers</td>
<td>Yes (Windows only)</td>
</tr>
<tr>
<td>OLE DB support</td>
<td>Yes (Windows only)</td>
</tr>
<tr>
<td>ODBC support</td>
<td>Yes (Windows and UNIX)</td>
</tr>
<tr>
<td>.NET Stored Procedures</td>
<td>Yes (Windows only)</td>
</tr>
<tr>
<td>Microsoft Distributed Transaction Coordinator support</td>
<td>Yes (Windows only)</td>
</tr>
<tr>
<td>COM Automation</td>
<td>No (Windows only)</td>
</tr>
<tr>
<td>Oracle Objects for OLE (OO4O)</td>
<td>No (Windows only)</td>
</tr>
<tr>
<td>Windows VLM Support, 4GB RAM Tuning</td>
<td>No (Windows only)</td>
</tr>
<tr>
<td>Large Page memory support</td>
<td>Yes (Windows only)</td>
</tr>
<tr>
<td>Active Directory integration</td>
<td>Yes (Windows only; no storing of tnsnames.ora file in Active Directory)</td>
</tr>
<tr>
<td>DML triggers</td>
<td>Yes</td>
</tr>
<tr>
<td>Database event triggers</td>
<td>Yes</td>
</tr>
<tr>
<td>Instead-of triggers</td>
<td>Yes</td>
</tr>
<tr>
<td>Index-organized tables</td>
<td>Yes</td>
</tr>
<tr>
<td>Temporary table</td>
<td>Yes</td>
</tr>
<tr>
<td>Data Compression</td>
<td>No</td>
</tr>
<tr>
<td>Objects and Extensibility</td>
<td>Yes</td>
</tr>
<tr>
<td>LOB (large object) support</td>
<td>Yes</td>
</tr>
<tr>
<td>Oracle Text</td>
<td>Yes (English/French Knowledge Bases not supplied, nor are the following features: RULE_CLASSIFIER, SVM_CLASSIFIER, and KMEAN_CLUSTERING)</td>
</tr>
<tr>
<td>Oracle Locator</td>
<td>Yes</td>
</tr>
<tr>
<td>Function-based index</td>
<td>Yes</td>
</tr>
<tr>
<td>Bitmapped index, bitmapped join index</td>
<td>No</td>
</tr>
<tr>
<td>Regular Expressions</td>
<td>Yes</td>
</tr>
</tbody>
</table>
2.3 Availability/Backup and Recovery Features

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

<table>
<thead>
<tr>
<th>Feature</th>
<th>Availability</th>
</tr>
</thead>
<tbody>
<tr>
<td>Drop column</td>
<td>Yes</td>
</tr>
<tr>
<td>Rename column, constraint</td>
<td>Yes</td>
</tr>
<tr>
<td>Online schema reorganization/redefinition</td>
<td>No</td>
</tr>
<tr>
<td>Flashback Query</td>
<td>Yes</td>
</tr>
<tr>
<td>Flashback Table</td>
<td>No</td>
</tr>
<tr>
<td>Flashback Database</td>
<td>No</td>
</tr>
<tr>
<td>Flashback Transaction Query</td>
<td>No</td>
</tr>
<tr>
<td>Server-managed backup and recovery</td>
<td>No</td>
</tr>
<tr>
<td>Online Backup</td>
<td>Yes</td>
</tr>
<tr>
<td>Backup Unused Block Compression</td>
<td>No</td>
</tr>
<tr>
<td>Backup Encryption</td>
<td>No</td>
</tr>
<tr>
<td>Incremental backup and recovery</td>
<td>Yes (no change tracking file or optimized incremental backup capability)</td>
</tr>
</tbody>
</table>
### 2.4 Security Features

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

<table>
<thead>
<tr>
<th>Feature</th>
<th>Availability</th>
</tr>
</thead>
<tbody>
<tr>
<td>Encryption toolkit</td>
<td>Yes</td>
</tr>
<tr>
<td>Virtual Private Database</td>
<td>No</td>
</tr>
<tr>
<td>Fine grained auditing</td>
<td>No</td>
</tr>
</tbody>
</table>

### 2.5 Manageability Features

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

<table>
<thead>
<tr>
<th>Feature</th>
<th>Availability</th>
</tr>
</thead>
<tbody>
<tr>
<td>Automatic Storage Management</td>
<td>No</td>
</tr>
<tr>
<td>Automatic Datafile Management</td>
<td>Yes</td>
</tr>
<tr>
<td>Automatic Memory Management</td>
<td>Yes</td>
</tr>
<tr>
<td>Automatic Undo Management</td>
<td>Yes</td>
</tr>
<tr>
<td>Automatic Optimizer Statistics Management</td>
<td>Yes</td>
</tr>
<tr>
<td>Server-generated Alerts</td>
<td>Yes</td>
</tr>
<tr>
<td>Database Resource Manager</td>
<td>No</td>
</tr>
</tbody>
</table>

### 2.6 Data Movement/Integration Features

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

<table>
<thead>
<tr>
<th>Feature</th>
<th>Availability</th>
</tr>
</thead>
<tbody>
<tr>
<td>Direct Path Load API</td>
<td>Yes</td>
</tr>
<tr>
<td>External tables</td>
<td>Yes</td>
</tr>
</tbody>
</table>
2.7 Networking Features

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

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

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

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3.33 Patrick Wolf: Apex Essentials

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3.40 xmlsoft.org: libxml2

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