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Oracle Database XE Quick Start

Oracle Database XE Quick Start

If you are experienced at installing software then use the steps provided below.

For more information and full step-by-step instructions please review the installation guides for [Linux](#) or [Windows](#).

Installing Oracle Database XE

Oracle Linux

- Download [oracle-database-xe-21c-1.0-1.ol8.x86_64.rpm](#)
- Run “yum -y localinstall oracle-database-xe*”
- Run “/etc/init.d/oracle-xe-21c configure”

Red Hat compatible Linux distribution

- Download [oracle-database-preinstall-21c-1.0-1.el8.x86_64.rpm](#)
- Download [oracle-database-xe-21c-1.0-1.ol8.x86_64.rpm](#)
- Run “yum -y localinstall oracle-database-xe*”
- Run “/etc/init.d/oracle-xe-21c configure”



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- If the `ORACLE_HOME` or `TNS_ADMIN` environment variable has been set, unset it first.
- Download [OracleXE213_Win64.zip](#)
- Extract zip file to a local temporary directory and run `setup.exe`.
- When prompted by the installer, provide the install location, the database password, and begin the installation.
- When the installation is complete, note the provided connection strings on the final screen.

Docker

- Docker images can be downloaded at <https://container-registry.oracle.com>
- Linux Docker images can also be built using the Dockerfiles provided under <https://github.com/oracle/docker-images>

VirtualBox

A Linux VirtualBox VM can be built using the Vagrant scripts provided under <https://github.com/oracle/vagrant-boxes>. You can also install into a Windows VirtualBox VM providing the version of Windows is supported. See the [Oracle Database XE Windows Installation Guide](#).

Connecting to Oracle Database XE

SQL

```
-- Connect string format: [username]/[password]@[//[hostname]:[port]/[DB service name]
[AS SYSDBA]
-- To connect to the Container Database (CDB) use:
sqlplus sys/[Password]@[//localhost:1521/XE as sysdba
```



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Java

```
OracleDataSource ods = new OracleDataSource();
ods.setURL("jdbc:oracle:thin:@//localhost:1521/XEPDB1"); //
jdbc:oracle:thin@//[hostname]:[port]/[DB service name]
ods.setUser("[Username]");
ods.setPassword("[Password]");
Connection conn = ods.getConnection();

PreparedStatement stmt = conn.prepareStatement("SELECT 'Hello World!' FROM dual");
ResultSet rslt = stmt.executeQuery();
while (rslt.next()) {
    System.out.println(rslt.getString(1));
}
```

Python

```
import cx_Oracle

# Connect string format: [username]/[password]@//[hostname]:[port]/[DB service name]
conn = cx_Oracle.connect("[Username]/[Password]@//localhost:1521/XEPDB1")
cur = conn.cursor()
cur.execute("SELECT 'Hello World!' FROM dual")
res = cur.fetchall()
print(res)
```

Node.js

```
var oracledb = require('oracledb');

async function run() {
    let connection = await oracledb.getConnection( {
        user : "[Username]",
        password : "[Password]"
    });
}
```



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```
}
```

```
run();
```

C# / .NET

```
// Connection string format: User Id=[username];Password=[password];Data Source=
[hostname]:[port]/[DB service name];
OracleConnection con = new OracleConnection("User Id=[Username];Password=
[Password];Data
Source=localhost:1521/XEPDB1;");
con.Open();
OracleCommand cmd = con.CreateCommand();
cmd.CommandText = "SELECT \'Hello World!\' FROM dual";

OracleDataReader reader = cmd.ExecuteReader();
reader.Read();
Console.WriteLine(reader.GetString(0));
```

PHP

```
// [username], [password], //[hostname]:[port]/[DB service name]
$c = oci_pconnect("[Username]", "[Password]", "///localhost:1521/XEPDB1");
$s = oci_parse($c, "SELECT 'Hello World!' FROM dual");
oci_execute($s);
oci_fetch_all($s, $res);
echo "<pre>\n"
var_dump($res);
echo "</pre>\n";
```

Ruby



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```
cursor = con.parse(statement)
```

```
cursor.exec  
cursor.fetch do |row|  
  print row  
end
```

Go

```
package main  
  
import (  
    "fmt"  
    "log"  
    "database/sql"  
    _ "github.com/godror/godror"  
)  
  
func main() {  
  
    // connectionString format: [hostname]:[port]/[DB service name]  
  
    dsn := `user="[Username]"  
        password="[Password]"  
        connectionString="localhost:1521/XEPDB1"`  
  
    db, err := sql.Open("godror", dsn)  
    if err != nil {  
        panic(err)  
    }  
    defer db.Close()  
  
    rows, err := db.Query("SELECT 'Hello World!' FROM dual")  
    if err != nil {  
        panic(err)  
    }  
    defer rows.Close()
```



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```
if err != nil {
    log.Fatal(err)
}
fmt.Println(strVal)
}
err = rows.Err()
if err != nil {
    log.Fatal(err)
}

}
```

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