Installation of Oracle 18c (Manual)

Домен non-telco

Exported on Aug 27, 2025

This instruction describes the process of installing Oracle 18c on RHEL 7.3 (Murom)

* [Download distribution](#scroll-bookmark-2)
* [Set dependencies for OS](#scroll-bookmark-3)
* [Set Limits](#scroll-bookmark-4)
* [Installation preparation](#scroll-bookmark-5)
* [Oracle installation](#scroll-bookmark-6)
* [Create account](#scroll-bookmark-7)
* [Network configuration](#scroll-bookmark-8)
* [DB Configuration](#scroll-bookmark-9)

# Download distribution

Download RPM package

|  |
| --- |
| <https://www.oracle.com/database/technologies/appdev/xe/18c-quickstart.html> |

# Set dependencies for OS

|  |
| --- |
| # Install base packages as official RHEL 7  sudo yum install -y binutils compat-libcap1 compat-libstdc++-33 gcc gcc-c++ glibc glibc-devel ksh libaio libaio-devel libgcc libstdc++ libstdc++-devel libxcb libX11 libXau libXi libXtst make sysstat unixODBC unixODBC-devel  dnf install libxcrypt-compat    # Install libao - without it Oracle will not be installed  sudo yum install libaio |

Code Block 1 Dependency command1

# Set Limits

You can leave the defaults - they work fine.

|  |
| --- |
| # to add in the country  nano /etc/sysctl.conf  # current limits  sudo sysctl -p |

Code Block 2 Setting limits2

# Installation preparation

Create working directory

|  |
| --- |
| # Create directory  sudo mkdir -p /opt/oracle  sudo chown -R oracle:oinstall /opt/oracle  sudo chmod -R 775 /opt/oracle |

Code Block 3 Creating a profile3

|  |
| --- |
| # Add lines to file ~/. bashrc  export ORACLE\_HOME=$ORACLE\_BASE/product/18c/dbhomeXE  export PATH=$PATH:$ORACLE\_HOME/bin  exportLD\_LIBRARY\_PATH=$ORACLE\_HOME/lib:/usr/lib  export ORACLE\_SID=XE    # Добавить в файл /etc/environment  ORACLE\_BASE=/opt/oracle  ORACLE\_HOSTNAME=myvm-2.dev.local    # добавить в /etc/hosts  192.168.105.10 myvm-2.dev.local myvm-2    # switch to ssh |

Code Block 4 Environment variables4

# Oracle installation

|  |
| --- |
| sudo su oracle    # Установка Oracle Preinstaller  sudo yum install oracle-database-preinstall-18c-1.0-1.el7.x86\_64.rpm    # Oracle installation  sudo yum install oracle-database-xe-18c-1.0-1.x86\_64.rpm    # Client installation  dnf install oracle-instantclient18.3-sqlplus-18.3.0.0.0-3.x86\_64.rpm    # Installation and DB initialization  sudo /etc/init.d/oracle-xe-18c configure    # Permissions for scripts  cd/opt/oracle/product/18c/dbhomeXE/  chmod -R 6751 bin/    # Check installation log:  cat/opt/oracle/cfgtoollogs/dbca/XE/XE3.log |

Code Block 5 Установка Oracle5

# Create account

Create account and give permission if preinstaller is not used, or reinstall after oracle removal

|  |
| --- |
| # Create account and give permissions  sudo useradd oracle  sudo groupadd -g 54321 oinstall  sudo groupadd -g 54322 dba  sudo useradd -u 54321 -g oinstall -G dba oracle    # set password  sudo passwd oracle    # add sudo  nano /etc/sudoers    # switch to account  sudo su - oracle |

Code Block 6 Create Account6

# Network configuration

|  |
| --- |
| nano $ORACLE\_HOME/network/admin/listener.ora  DEFAULT\_SERVICE\_LISTENER = XE  LISTENER =  (DESCRIPTION\_LIST =  (DESCRIPTION =  (ADDRESS = (PROTOCOL = TCP)(HOST = myvm-2.dev.local)(PORT = 1522))  (ADDRESS = (PROTOCOL = IPC)(KEY = EXTPROC1522))  )  ) |

Code Block 7 Network Access Configuration7

# Database Configuration

|  |
| --- |
| # Connect to console without logon  sqlplus /nolog    CONNECT sys/[password] AS SYSDBA;  select \* from dba\_profiles;  set wrap off lin 200;    # Create user with rights  create user user1 identified by "Password";  ALTER USER user1 identified by "password";  GRANT unlimited tablespace, CONNECT, resource TO user1; |

Code Block 8 DB Configuration 8

**Other teams:**

Creating a PDB database

CREATE PLUGGABLE DATABASE pdb\_xe ADMIN USER myuser IDENTIFIED BY "Password" FILE\_NAME\_CONVERT = ('/u01/app/oracle/oradata/cdb1/pdbseed/', '/u01/app/oracle/oradata/cdb1/pdb\_xe/');

Connection to BD:

CONNECT SYS/your\_sys\_password AS SYSDBA;

Users

SELECT username, account\_status, created FROM dba\_users ORDER BY username;

DB Instantis:

SELECT instance\_name, host\_name, status, database\_status, version, startup\_time FROM v$instance;

Sqlplus локаль:   
export NLS\_LANG=AMERICAN\_AMERICA.AL32UTF8

**Команды SQLPlus:**

<https://docs.oracle.com/cd/E11882_01/server.112/e16604/toc.htm>

|  |
| --- |
| **License Warning**  You are using an UNLICENSED copy of **Scroll Word Exporter**.  Do you find Scroll Word Exporter useful?  Consider purchasing it today: [https://www.k15t.com/software/scroll-word-exporter](https://www.k15t.com/software/scroll-word-exporter?utm_campaign=Scroll%20Word%20Exporter&utm_medium=Exported%20Document&utm_source=Word%20Evaluation) |