

Namestitev Oracle 21c podatkovne baze v Docker

Namestitev Dockerja

S spletne strani docker.com si prenesite aplikacijo Docker Desktop.

Da preverite, ali je bila inštalacija Docker-ja uspešna odprite `terminal` in vnesite ukaz `docker --version`. V primeru da dobite izpis, ki je podoben spodnjemu, ste Docker uspešno namestili.

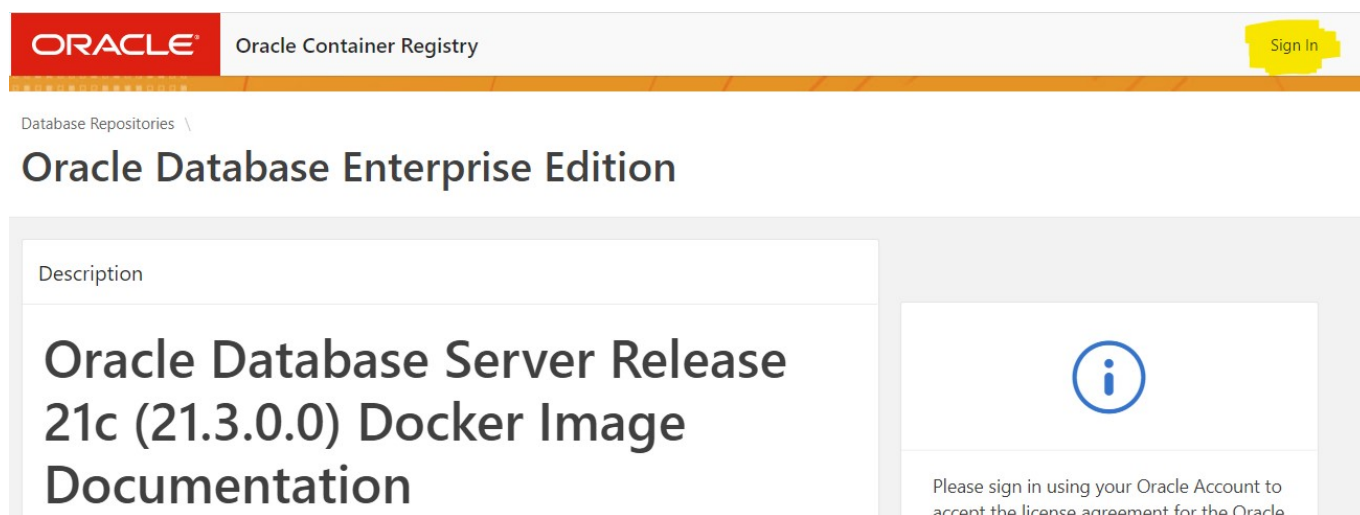
```
david@iLoveNutella:~$ docker --version
Docker version 20.10.21, build baeda1f
```

Osnovni ukazi in informacije o Docker-ju so na voljo na [na tej povezavi](#)

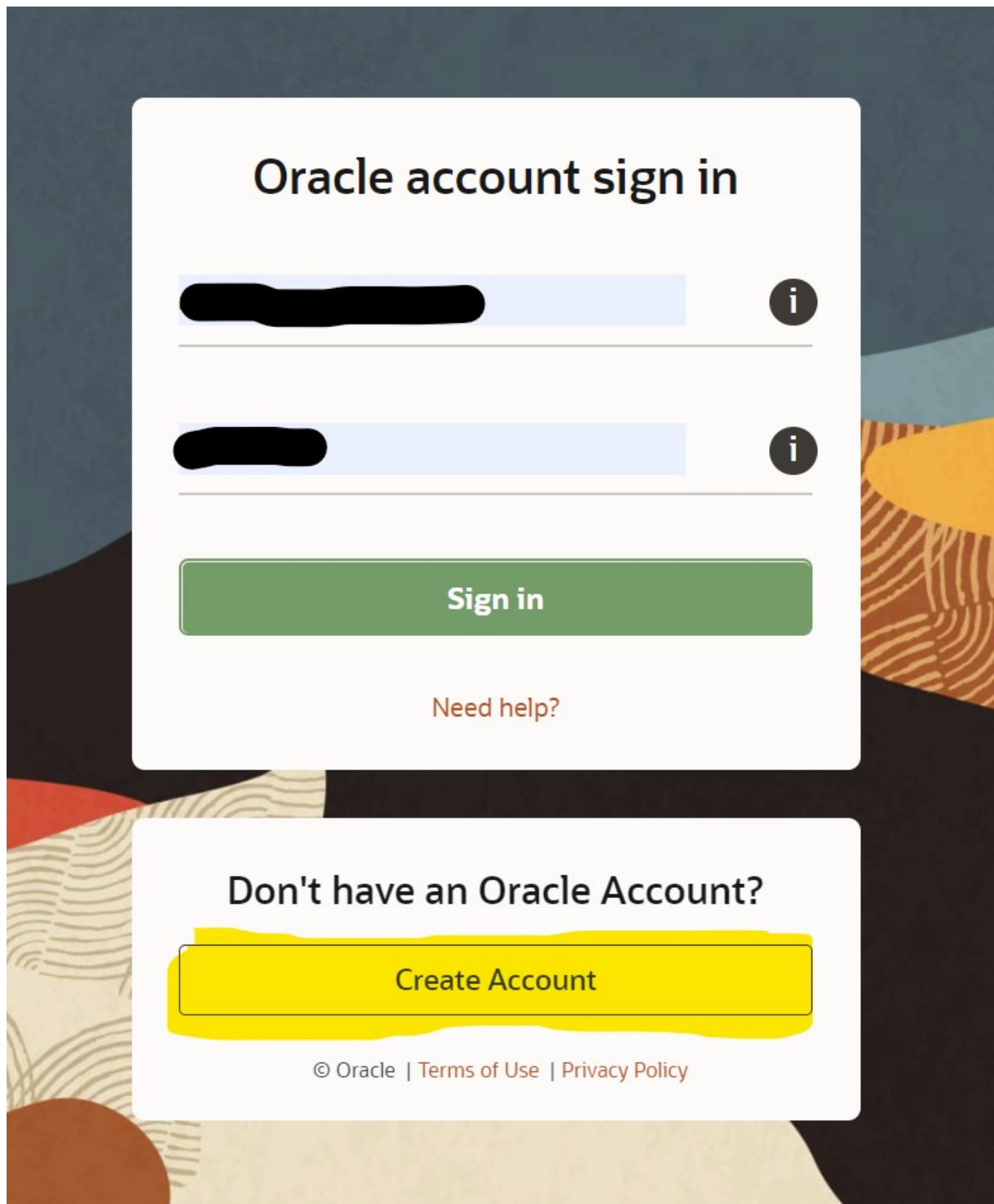
Namestitev Oracle 21c podatkovne baze

Najprej je potrebno na [Oracle Container Registry-ju](#) poiskati ustrezno bazo. Ko odprete povezavo kliknite na `Database` in nato na `enterprise`.

Sedaj si moramo ustvariti Oracle Account. V zgornjem desnem kotu boste videli gum z napisom **Sign In**, kliknite nanj.



Nato se vam bo odprlo prijavno okno, kliknite na **Create Account**.

The image shows two overlapping white cards on a dark background with abstract orange and yellow patterns. The top card is titled "Oracle account sign in" and contains two input fields with blacked-out text, each with an information icon to its right. Below the fields is a green "Sign in" button and a "Need help?" link. The bottom card is titled "Don't have an Oracle Account?" and features a yellow "Create Account" button. At the bottom of this card are the copyright notice "© Oracle" and links for "Terms of Use" and "Privacy Policy".

Oracle account sign in

[Need help?](#)

Don't have an Oracle Account?

[Create Account](#)

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Odprlo se vam bo okno za registracijo. Vnesite vse potrebne podatke (tiste ki jih poznate), za tiste vnose kot so "Job Title", "Work hone", "Company Name" itd. si pa izmislite poljubne vrednosti. Nazadnje kliknite na create Account.

Create Your Oracle Account

Already have an Oracle Account? [Sign In](#)

Email Address* Your email address is your username.

Password* Passwords must have upper and lower case letters, at least 1 number and special character, not match or contain email, and be at least 8 characters long.

Retype password*

Country* Slovenia

Name* First or Given Name Last Name

Job Title*

Work Phone*

Company Name*

Address*

City*

ZIP/Postal Code*


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Create Account

[Account Help](#) | [Subscriptions](#) | [Unsubscribe](#) | [Terms of Use and Privacy](#) | [Cookie Preferences](#)

Sedaj ko imate narejen Oracle račun se prijavite z njim (če niste že avtomatsko prijavljeni). Če ste naredili vse pravilno bi mogli videti nekaj takšnega.

 Oracle Container Registry



Database Repositories \


Oracle Database Enterprise Edition

Description

Oracle Database Server Release 21c (21.3.0.0) Docker Image Documentation

Oracle Database Server Release 21c is an industry leading relational database server. The Oracle Database server docker image contains Oracle Database server Release 21c (21.3.0.0) Enterprise or Standard Edition running on Oracle Linux 7. This image contains a default database in a multitenant configuration with one pluggable database.


For more information on Oracle Database server Release 21c, refer to <http://docs.oracle.com/en/database/>.

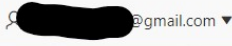


- Select Language -

You last accepted the Oracle Standard Terms and Restrictions on **12/18/2022** at **07:35 PM** Coordinated Universal Time (UTC).

Nato izberite jezik, jaz sem za ta primer izbral "English".

 Oracle Container Registry



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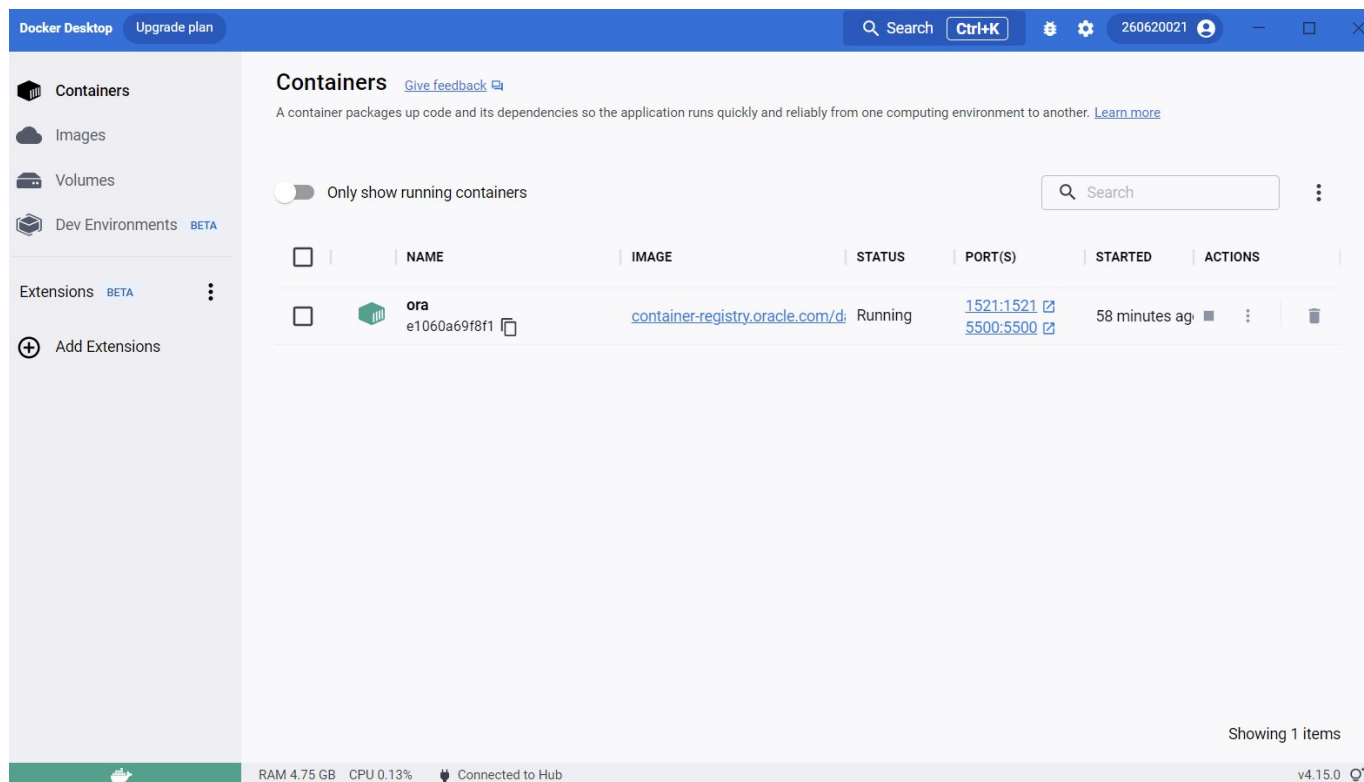
English

You last accepted the Oracle Standard Terms and Restrictions on **12/18/2022** at **07:35 PM** Coordinated Universal Time (UTC).

Sedaj lahko potegnemo Docker Image iz Oracle Container Registry-ja. Da to naredimo v terminalu poženemo spodnji ukaz:

```
docker run -d --name ora --restart always -p 1521:1521 -p 5500:5500
container-registry.oracle.com/database/enterprise:21.3.0.0
```

Po izvedbi tega ukaza bi mogli imeti v Docker Desktopu zagnan container z imenom **ora**.



Da se bomo lahko povezali na bazo moramo **SYS** uporabniku spremeniti geslo. To naredimo s spodnjim ukazom.

```
$ docker exec ora ./setPassword.sh <your_password>
```

<your_password> zamenjajte s svojim geslom.

Namestitev SQL developer-ja za povezavo na bazo

S spletne strani <https://www.oracle.com/database/sqldeveloper/technologies/download/> prenesite SQL Developer, ki vam bo omogočal, da se povežete na bazo. Svetujem vam, da si naložite sledečo različico: **Windows 64-bit with JDK 11 included**.

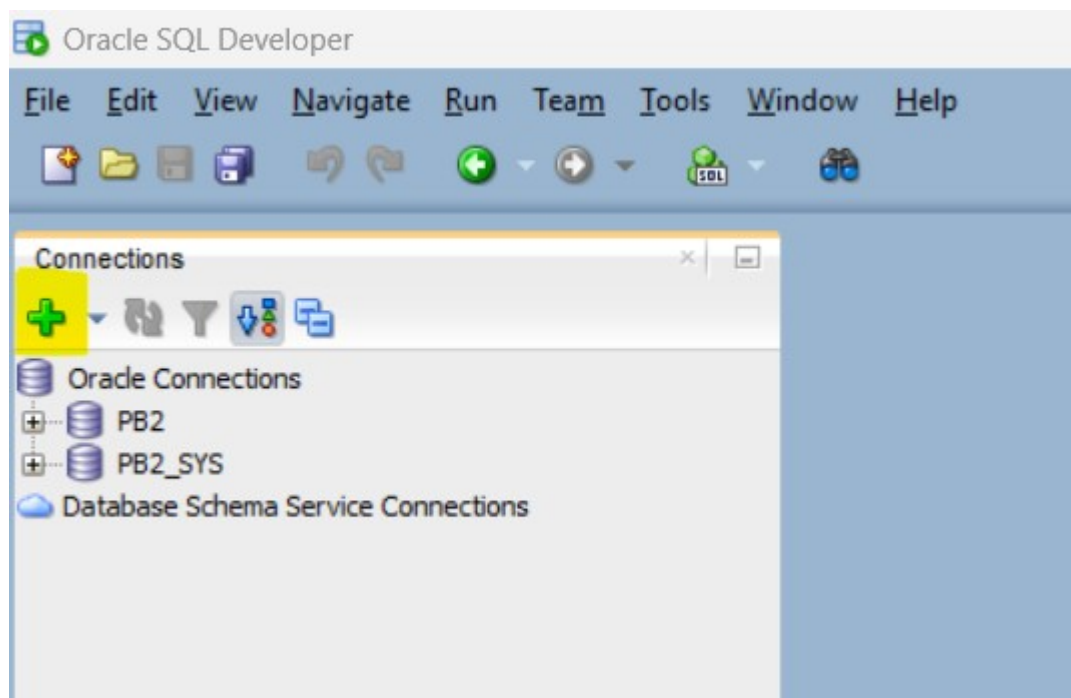
Ko boste datoteko prenesli ekstrahirajte njeno vsebino v na poljubno mesto v vašem računalniku (jaz sem jo kar v mapo "prenosi").

V mapi boste dobili program **sqldeveloper**.

📁 > Prenosi > sqldeveloper-22.2.1.234.1810-x64 > sqldeveloper

	Ime	Datum spremembe	Vrsta	Velikost
▼	Danes			
	📄 icon	19. 12. 2022 23:22	Datoteka PNG	2 KB
	📄 sqldeveloper	19. 12. 2022 23:22	Program	92 KB
	📄 sqldeveloper	19. 12. 2022 23:22	Shell Script	1 KB
	📁 sqldeveloper	19. 12. 2022 23:23	Mapa z datotekami	
	📁 orakafka	19. 12. 2022 23:23	Mapa z datotekami	
	📁 rdbms	19. 12. 2022 23:23	Mapa z datotekami	
	📁 sleepycat	19. 12. 2022 23:23	Mapa z datotekami	

Sedaj, ko imamo nameščen **sqldeveloper** moramo vzpostaviti povezavo na bazo. To naredimo tako da v **sqldeveloper** kliknemo na zelel +.



Odrplo se nam bo okno, kjer vpišemo vse potrebne parametre za povezavo na bazo.

The screenshot shows the 'New / Select Database Connection' dialog box. On the left, a list of connections includes 'PB2' and 'PB2_SYS'. The main area is divided into 'User Info' and 'Details' tabs. In 'User Info', the 'Name' field is 'PB', 'Database Type' is 'Oracle', 'Authentication Type' is 'Default', 'Username' is 'sys', and 'Password' is masked with dots. The 'Role' is set to 'SYSDBA'. In the 'Details' tab, 'Connection Type' is 'Basic', 'Hostname' is 'localhost', 'Port' is '1521', and 'SID' is selected with 'ORCLCDB'. At the bottom, there are buttons for 'Help', 'Save', 'Clear', 'Test', 'Connect', and 'Cancel'. The status bar at the bottom left says 'Status : Success'.

Vse parametre lahko prepisete iz slike, le geslo je takšno kot ste si ga nastavili.

Nato kliknite na gumb **Test**. V primeru, da ste vse pravilno naredili se vam bo v spodnjem levem kotu prikazal **Status: Success**. Nato kliknite na **Save**.

Sedaj se povežite na bazo preko povezave, katero ste pravkar ustvarili. Ko ste povezani, v **sqldeveloper** obvezno izvedi naslednji ukaz, ki bo omogočil kreiranje novih uporabnikov:

```
alter session set "_ORACLE_SCRIPT"=true;
```

Nato kreirajte administratorja z naslednjimi ukazi:

```
CREATE USER NewDBA  
IDENTIFIED BY passwd;  
  
GRANT DBA TO NewDBA WITH ADMIN OPTION;
```

NewDBA predstavlja uporabniško ime za administratorja baze, **passwd** pa geslo, ki ga boste administratorju dodelili.

Na koncu obvezno izvedi ukaz:

```
commit;
```

Sedaj se lahko prijaviš kot prej definiran administrator.