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Oracle Database Enterprise Edition

By **Oracle**

Oracle Database 12c Enterprise Edition

Container   Linux   x86-64   Databases

Developer Tier

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Description   **Reviews**   Resources

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vdrasutis   ·   Verified Purchase   ·   14 days ago

Useless image - cant test my app DB - as DB creation script is failing - as looks like there is some limitation due to this container :(.

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oddeh   ·   Verified Purchase   ·   24 days ago

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lowrater   ·   Verified Purchase   ·   a month ago

It's dissapointing to see the lack of documentation for the oracle database and the setup generel. It doesn't either provide much in the console.. i had to fish a lot of informations to get it running. You guys should at least use the default root password 'sjsysadmin' than what's provided so people can find the default

informations for accounts etc.

For a quick setup, you can do the following:
----
1. docker pull store/oracle/database-enterprise:12.2.0.1
2. docker run -d -p 1521:1521 --name Oracle store/oracle/database-enterprise:12.2.0.1
3. Get Oracle SQL developer or use your Console through portainer

Databases it creates:
- ORCLPDB1 (Internal between containers)
- ORCLCDB (External)

Connectionstrings:

INTERN:

Host: Your ip or localhost
Database: ORCLPDB1
Username: sys as sysdba
Password: Oradoc_db1

INTERN =
ORCLPDB1=(DESCRIPTION=(ADDRESS=(PROTOCOL=TCP)(HOST=<ip-address>)(PORT=<port>))
    (CONNECT_DATA=(SERVER=DEDICATED)(SERVICE_NAME=ORCLPDB1.localdomain)))

EXTERN:

Host: your ip or localhost
Database: ORCLCDB
Username: sys as sysdba
Password: Oradoc_db1

EXTERN =
ORCLCDB=(DESCRIPTION=(ADDRESS=(PROTOCOL=TCP)(HOST=<ip-address>)(PORT=<port>))
    (CONNECT_DATA=(SERVER=DEDICATED)(SERVICE_NAME=ORCLCDB.localdomain)))

For use in .Net

"Data Source=(DESCRIPTION=(ADDRESS=(PROTOCOL=TCP)(HOST=OracleHostname)(PORT=OraclePort))
(CONNECT_DATA=(SERVICE_NAME=OracleDatabase)));User
Id=OracleUsername;Password=OraclePassword;";

How to connect outside your container:

Oracle SQL Developer for ORCLPDB1

1. Add a new connection
HOST: ip or localhost
Username: SYS
Password: Oradoc_db1
Role: SYSDBA
Port: 1521
Servicename: ORCLPDB1.localdomain

Oracle SQL Developer for ORCLCDB

Host: ip or localhost
SID: ORCLCDB
Port: 1521
Username: SYS
Password: Oradoc_db1
Role: SYSDBA

How to create a new account:
----
if you cannot create a new account, check which instance you are on. If you are ORCLCDB and you can't,
you need to change your session container.

Alter session set container = 'ORCLPDB1';

Then create your account with your rights wished.

If any, you can 'GRANT dba to NEWUSERNAME'; and write 'commit'; and log into this one if you don't want
to use the root account 'SYS'.

How to use the SYS on consoles with SQLPLUS

SQLPLUS / as sysdba

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aldenlflores14   ·   Verified Purchase   ·   5 months ago

Oratab file is missing. Cannot run dbca due to this. Hope you can release a more reliable image. Thanks.

Report a Concern

★★★★☆

ldelaprade   ·   Verified Purchase   ·   10 months ago

when going inside the running container:

 /home/oracle/.bashrc and other init files are 'rw'. 'x' are not set !

when trying to run 'proc' you get:
proc: error while loading shared libraries: libclntsh.so.12.1: cannot open shared object file: No such file or
directory

Fix/Workaround: add to .bashrc
export LD_LIBRARY_PATH=/u01/app/oracle/product/12.2.0/dbhome_1/lib

Wondering:
- in linux container, default user is oracle - but what is the password (if you need to sudo)
but OK - you can still exec the container with "-u 0" to be root

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jvonruden   ·   Verified Purchase   ·   a year ago

Oracle Database Enterprise Docker Developer Tier lacks practical documentation on how to use Oracle's
database effectively on Docker in a windows environment for developers who are new to Oracle's database
offerings and are looking for the quickest way to setup a new Oracle database environment for exploratory
development scenarios.

This guide is for Docker Desktop For Windows installed on system and using Windows Subsystem For Linux
(WSL2).

You will need to prevent Oracle Database Enterprise Edition docker container and WSL2 from consuming
all of your computer's memory and CPU before you attempt to run the Oracle Database Enterprise Edition
docker image.

Open Windows Terminal/CMD/PowerShell and run the commands below:
==
wsl --shutdown
notepad "$env:USERPROFILE/.wslconfig"
Edit .wslconfig file with notepad and save.
[wsl2]
memory=3GB   # Limits memory in WSL 2
processors=4 # Limits number of processors in WSL2
==

Run Docker Image and map ports to host system to connect from outside the docker container.

docker run -d --network="bridge" -p 1521:1521 -p 5500:5500 -it --name Oracle_DB_Container
store/oracle/database-enterprise:12.2.0.1

Connecting to database container
Installing the drivers for databases on windows can be complicated and since this is a quick start guide I
decided to use JetBrains DataGrip which has built in support for Oracle databases. Currently, DataGrip
includes an evaluation license key for a free 30-day trial.

Connection string to connect to docker container.
jdbc:oracle:thin:@localhost:1521:ORCLCDB
The super user name and password.
User Name : sys
Password : Oradoc_db1
Login into the database with the administrator account.

Create Database, User, and Grand Permissions
Disclaimer: Intended for exploratory development/demonstration scenarios only
Run following the SQL commands in the query window.
===
ALTER SESSION SET "_ORACLE_SCRIPT"=true;

-- Create New Table Space
CREATE TABLESPACE new_user_tablespace
   DATAFILE 'new_user_tablespace.dbf'
   SIZE 1m;

-- Create New User
CREATE USER new_user IDENTIFIED BY "YourPassword123";

-- Grant Permissions
grant create session to new_user;
grant create table to new_user;
grant create session to new_user;
grant create table to new_user;
alter user new_user quota unlimited on users;
grant create view, create procedure, create sequence to new_user;

-- Grant Permissions to Table Space
alter user new_user quota unlimited on new_user_tablespace;
grant UNLIMITED TABLESPACE TO new_user;
===

Connecting to the New User's Database Also Known AS "SCHEMA"

Connection string for connecting to the docker container.
jdbc:oracle:thin:@localhost:1521:ORCLCDB
The user name and password.
User Name : new_user
Password : YourPassword123
Login into the database with the new_user account.
Jetbrains Data Grip Connection Dialog

Disclaimer: Intended for exploratory development/demonstration scenarios only
Run following the SQL commands in the query window.

```
================================================
-- Create New Table.
CREATE TABLE TEST_USER.posts (
       id       NUMBER(5) PRIMARY KEY,
       subject   VARCHAR2(15) NOT NULL,
       content   varchar2(2000))
  TABLESPACE NEW_USER_TABLESPACE
  STORAGE ( INITIAL 50K);

-- Insert Rows.
INSERT INTO TEST_USER.POSTS (ID, SUBJECT,CONTENT) values (1, 'subject', 'content');
COMMIT;

-- Testing by Selecting Rows.
SELECT * FROM TEST_USER.posts;
============================================
```
Conclusion

I hope you found this Quick Start Guide useful if you are new to oracle's database offerings.

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rom002   ·   Verified Purchase   ·   a year ago

Impossible to pull the image even after agreeing to the term of usage and login to the registry.

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★★★★★

cuizhiming   ·   Verified Purchase   ·   a year ago

Report a Concern

★★★★★

dummyuser101   ·   Verified Purchase   ·   a year ago

Easy to start and use.

Report a Concern

★☆☆☆☆

mateusmsouza4   ·   Verified Purchase   ·   a year ago

Well we all know that Oracle makes some awful products with tons of "POC" as some of my peers would

Well we all know that Oracle makes some awful products with tons of "POG" as some of my peers would say.

That's another example of that. That image is really basic, there's no example schemes and it requires login root to install stuff, It's pretty hard to install the examples schemes by yourself (but that's Oracle right, so everything is not developer friendly, that was expected).

I'm just using that image to complete a class on my university, hope gods allow me to never see Oracle again in my developer life.

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tedonmain   ·   Verified Purchase   ·   2 years ago

Perhaps this will help you:
https://github.com/oracle/docker-images/tree/master/OracleDatabase/SingleInstance

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wancker   ·   Verified Purchase   ·   2 years ago

what should i do when i want to create a new tablespace ?
and where i can save the *.DBF file ?
and how can i create a new user ?

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ad456   ·   Verified Purchase   ·   2 years ago

Only ignorant will provide Oracle database with WE8DEC character encoding!!!

This makes the image useless for majority of the world.

Let's cite Oracle documentation: "You should generally select the Unicode character set AL32UTF8, because it supports most languages of the world."

Well dear Oracle - you should "eat your own dog food".

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oneivan   ·   Verified Purchase   ·   2 years ago

can't find demo schemas (like HR,OE ..) and not easy to create them manual (have no success yet)

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mysery · Verified Purchase · 2 years ago

To many waste time whit configs... no env to create default user. sucks errors to connect from other instance or localmachine

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saimaakmal · Verified Purchase · 2 years ago

how can I feed data to this container using existing data dump file? any instructions?

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ljvasquez · Verified Purchase · 2 years ago

Excellent option for developer.
It consumes few resources and works efficiently!

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★★★★★

jaymalik217 · Verified Purchase · 2 years ago

docker pull hangs after

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pak1989 · Verified Purchase · 2 years ago

@artnaseef you da real MVP

add these to the documentation:
SERVICE_NAME = ORCLPDB1.localdomain
USERNAME = system
PASSWORD = Oradoc_db1

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hanqiangfei · Verified Purchase · 2 years ago

Report a Concern

★★★★★

joyycers   ·   Verified Purchase   ·   2 years ago

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zhaoxiaominzi   ·   Verified Purchase   ·   2 years ago

Report a Concern

★★★★★

nghiapt1112   ·   Verified Purchase   ·   2 years ago

Report a Concern

★★★★★

amauryd   ·   Verified Purchase   ·   2 years ago

Report a Concern

★★★★★

pifu   ·   Verified Purchase   ·   2 years ago

Report a Concern

★★★★★

artnaseef   ·   Verified Purchase   ·   2 years ago

Great to see an Official image from Oracle here. Startup speed is decent, and the image is easy to use with the default SID, username and password.

With that said, there are improvements this image really needs:
- Every container creates a large, 3GB, volume that lingers even after the container is removed. "docker volume prune" removes it, so it is manageable, but it is a problem unique to this image in my experience so far with docker.
- Most of the content of that 3GB volume could be turned into a reusable image layer.
- There is no built-in support for running SQL on database creation nor on database startup.
- A README file, or the like, listing the default connection parameters (e.g. SERVICE_NAME = ORCLPDB1.localdomain, USERNAME = system, PASSWORD = Oradoc_db1) would be very helpful and save a lot of time digging around for important details.
- An attempt to use custom SID failed. It appears to be supported, and not sure what went wrong. So at least some instructions clearly showing how to make this work would be appreciated. Not sure if it is truly

least some instructions clearly showing how to make this work would be appreciated. Not sure if it is truly possible to change the SID.

- When the container reports "healthy", the database still may be unaccessible (the listener reports SERVICE

not found, or the like). Would be good to add a better indication that the DB is fully accessible. One solution that is working for me was to add a script that repeatedly attempts to use sqlplus to run a query against the DB and reports when it is successful.

I hope this image gets improved - it is very helpful for development purposes.

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alangmei · Verified Purchase · 2 years ago

Report a Concern

★★★★★

brauliocasanas · Verified Purchase · 2 years ago

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breezefp · Verified Purchase · 2 years ago

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★★★★★

viktorpug · Verified Purchase · 2 years ago

Report a Concern

★★★★★

chenzhenyang · Verified Purchase · 2 years ago

Report a Concern

★★★☆☆

nitwchandan · Verified Purchase · 3 years ago

Partitioning is not enabled in this Oracle version.

docker run -d --name ora --restart always   -p 1521:1521 -p 5500:5500   store/oracle/database-enterprise:12.2.0.1

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15862392921   ·   Verified Purchase   ·   3 years ago

what is the password of 'ROOT '

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★ ★ ★ ★ ☆

yhyangjiabin   ·   Verified Purchase   ·   3 years ago

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★ ★ ★ ☆ ☆

sunqianshi   ·   Verified Purchase   ·   3 years ago

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★ ☆ ☆ ☆ ☆

johnfak   ·   Verified Purchase   ·   3 years ago

If you save your docker container with a COMMIT

EWverythign breaks due to the SYMLINK setup back to /ORCL

total 8
lrwxrwxrwx 1 oracle oinstall   28 May 1 16:20 oradata -> /ORCL/u02/app/oracle/oradata
lrwxrwxrwx 1 oracle oinstall   26 May 1 16:20 audit -> /ORCL/u02/app/oracle/audit
drwxr-xr-x 3 oracle oinstall 4096 May 1 16:20 ..
drwxr-xr-x 2 oracle oinstall 4096 May 1 16:20 .
[oracle@89ceb2a9eec4 oracle]$
[oracle@89ceb2a9eec4 oracle]$ ls -ltra /ORCL/u02/app/oracle/oradata
ls: cannot access /ORCL/u02/app/oracle/oradata: No such file or directory

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★ ☆ ☆ ☆ ☆

harshu   ·   Verified Purchase   ·   3 years ago

Docker pull just hangs right after complete download(size of (2.739GB).
Tried couple of times, it never improved.
While I was able to download other docker images that are of close to 2 GB without any issues....

Disappointed with oracle & its limitations.

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tangweixin   ·   Verified Purchase   ·   3 years ago

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★★★★★

richardopah   ·   Verified Purchase   ·   3 years ago

Report a Concern

★★★★★

lwolvej   ·   Verified Purchase   ·   3 years ago

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★★★☆☆

matsonkepson   ·   Verified Purchase   ·   3 years ago

would be cool if you really disable this update feature,
right now it is still running although it should be not right ?

FYI
if you want to use this DB image as a CI/CD docker/kubernetes image BE AWARE that if you want to make
an additional changes to this Database like altering charset (which actually is not possible via response file
or env variable) or creating users/ tables , so on THERE IS a AQPC background process which will probably
brake your thing at the very beginning...

as a workaround try to run this DB in RESTRICTED mode, do your changes and disable it to make normal
run

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★★★★☆

ronglu68   ·   Verified Purchase   ·   3 years ago

very nice, but not easy to deploy to mini-shift.

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★★★★★

pp2682   ·   Verified Purchase   ·   3 years ago

very good very easy ^^

very good very easy

Report a Concern

★★★☆☆

sravanananthula   ·   Verified Purchase   ·   3 years ago

I am able to deploy enterprise container in docker service or kubernetes environment but having issue in Open shift where oracle instance is not started correctly where as pod completed without any issue, Status of Pod is running

Start Docker DB configuration
Call configDBora.sh to configure database
Fri Feb 22 20:08:46 UTC 2019
Configure DB as oracle user
Setup Database directories ...

SQL*Plus: Release 12.2.0.1.0 Production on Fri Feb 22 20:08:46 2019

Copyright (c) 1982, 2016, Oracle. All rights reserved.

Connected to an idle instance.

SQL>
File created.

SQL> ORA-03113: end-of-file on communication channel
SQL> ERROR:
ORA-03114: not connected to ORACLE

SQL> ERROR:
ORA-03114: not connected to ORACLE

SQL> ERROR:
ORA-03114: not connected to ORACLE

SQL> ERROR:
ORA-03114: not connected to ORACLE

SQL> ERROR:
ORA-03114: not connected to ORACLE

SQL> Disconnected
update password

Any inputs or help greatly appreciated.

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vedantkdesai   ·   Verified Purchase   ·   3 years ago

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★★★★★

elfmon   ·   Verified Purchase   ·   3 years ago

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zemke   ·   Verified Purchase   ·   3 years ago

It's great this is being offered so that things can be tested decentralizedly. Also, things worked well from the beginning.

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llian8023   ·   Verified Purchase   ·   3 years ago

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plar   ·   Verified Purchase   ·   3 years ago

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★★☆☆☆

tranm   ·   Verified Purchase   ·   3 years ago

What is the default username and password for Enterprise Manager at port :5500?

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★★★☆☆

burtsevyg   ·   Verified Purchase   ·   3 years ago

Where is source for store/oracle/database-enterprise:12.2.0.1 image?
Github source https://github.com/oracle/docker-
images/tree/master/OracleDatabase/SingleInstance/dockerfiles/12.2.0.1 is not the same (for example in
image ORACLE_BASE is not in /opt/oracle as in Dockerfile)

image ORACLE_BASE is not in /opt/oracle as in Dockerfile).

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gbehara   ·   Verified Purchase   ·   3 years ago

I'm able to run this oracle db as individual docker container but it's failing every time when deploying it as a service in docker swarm with some error like below.

"Thread 1 advanced to log sequence 7275 (LGWR switch)
  Current log# 3 seq# 7275 mem# 0: /u04/app/oracle/redo/redo03.dbf
2018-08-19T05:57:31.226285+00:00
Thread 1 cannot allocate new log, sequence 7276
Checkpoint not complete"

Can anybody help?

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★★★☆☆

thomasdc   ·   Verified Purchase   ·   3 years ago

Documentation is lacking and only works for 12.2.0, not for 12.1.0.
No way to run user defined scripts on startup.

Feedback from Oracle support after unclarities regarding dev/local only licensing:
"It can be used free for development/testing purposes as it has the OTN license. If you (and the customer)
read the license provided by the Docker Store, it does NOT allow for production use, only dev/test and that
is at no charge.
Customers who want to use Oracle Database in production must absolutely pay for licenses, but they are
not allowed to use the Docker Store image for this. They need to build their own images, or they can
leverage the sample Dockerfiles we provide at GitHub.com/oracle/docker-images for the database."

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blueis   ·   Verified Purchase   ·   3 years ago

A lot of bugs when I start the container...

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sby911   ·   Verified Purchase   ·   3 years ago

What is the default 'root' password of this container?

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stolin · Verified Purchase · 4 years ago

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sncrcas · Verified Purchase · 4 years ago

Image is functional - but would prefer a non-CDB database.   This would allow legacy scripts/application users to be used.

The problem we encountered was due to app users that do not conform to the C## naming convention:

create user MY_USER identified by MY_USER
          *
ERROR at line 1:
ORA-65096: invalid common user or role name

The _ORACLE_SCRIPT undocumented parameter cannot be used in our case. It causes ALL_USERS.ORACLE_MAINTAINED to be set to Y.   Our (java-based) builds use Flyway (https://flywaydb.org/) which prevents any ORACLE_MAINTAINED user from dropping tables.

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mkboudreau · Verified Purchase · 4 years ago

Same concern as "mmonge" - My client's environment is not WE8DEC. Please give us some way to configure this.

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★★★★☆

owprometheus · Verified Purchase · 4 years ago

In order to start OracleDB container when using host directory as volume i had to "chmod 777" the directory as the init script drops privileges and the oracle user cannot create files.
leading to the first error "mkdir: cannot create directory '/ORCL/u01': Permission denied"

Oracle should update their init scripts to own the /ORCL directory like they do for the logs dir.

This can also be fixed by building a custom image and replacing /home/oracle/setup/dockerInit.sh

adding after the log setup
    chmod 775 /ORCL
    chown oracle:oinstall /ORCL

chown oracle.oinstall /ORCL

Report a Concern

★★★★★

cbove   ·   Verified Purchase   ·   4 years ago

Report a Concern

★★☆☆☆

mmonge   ·   Verified Purchase   ·   4 years ago

I'm using the -slim variant, pretty nice. Have no trouble with the image.

BUT, why is the image configured with Oracle DB in CharacterSet WE8DEC? The Oracle 12c documentation clearly says:

"Oracle recommends that databases on ASCII-based platforms are created with the AL32UTF8 character set and the AL16UTF16 national (NCHAR) character set."

At least you should have a Docker Environment to set this, I can not use this image in WE8DEC. My clients production environment are not WE8DEC.

I hope you could fix this, maybe add the environment variable, it would be great! Thank you

Report a Concern

★★★☆☆

ckyongwork   ·   Verified Purchase   ·   4 years ago

Easy to use and managed to start the container after reading the image documentation.

Is there any option to run custom user scripts after DB startup for this image ?

Thank you

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★★☆☆☆

smorzhov   ·   Verified Purchase   ·   4 years ago

Cannot start OracleDB container when using host directory as volume.

Report a Concern

★★★★★

★★★☆☆

craigjar   ·   Verified Purchase   ·   4 years ago

The slim variant is great as startup times are critical for my environment.

However, even in full version, partitioning is disabled. Since this is the enterprise version I would expect it to be enabled by default. Please include instructions on how to do this.

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★★★★★

abaranovskis   ·   Verified Purchase   ·   4 years ago

Report a Concern

★☆☆☆☆

nicholasjdaniel   ·   Verified Purchase   ·   4 years ago

Had issues with the documentation. Hard to follow, takes a long time to setup.

Report a Concern

★★★☆☆

welldone217   ·   Verified Purchase   ·   4 years ago

docker run -d --name ora --restart always   -p 1521:1521 -p 5500:5500   store/oracle/database-enterprise:12.2.0.1

docker exec -it --user root ora /bin/bash

yum install -y openssh

systemctl status sshd

it get error: Failed to get D-Bus connection: Operation not permitted

and cloud control 13c cloud not push Oracle Management Agents

Response from publisher :

Installing packages inside a running container is certainly not something that should be done and clearly the existing security constraints kick in and prevent the user from doing so.
The user should instead build a new image from the base image with the steps required.

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