

OracleDB: A Brief Introduction to a Powerhouse Database

1. Tutorial like description (25 points) **Brian and Jacob**

- This part of the project will include a markdown file detailing some of the details below. Our goal for this part of the project is to give people a quick but useful introduction to the basics of Oracle DB. As well as give the people working on this part an understanding of what it takes to set up a lab and learning a new system.

3.5(7pts) for markdown file

- Set up of the Oracle DB on linux environment **5(10)pts for learning how to do everything we will have on tutorial/lab**

- Creating a user profile

- A walk through of common commands including but not limited to:

- Creating tables, Altering, Deleting, Updating, Joining commands...

Jacob

- Brief Explanations of OracleDB ideas that may be needed(Background)

Brian

- Links to Read and tutorials to walk through to understand basics of Oracle DB (Lynda Tutorial Summary REF 5)

- Each person must walk through tutorial **4pts (8)**

2. Distinct Features of Oracle DB (12 points) **Philip**

- This part of the project will entail a more conceptual based approach where the person working on this will go into the functionality of Oracle DBs distinct features that other DBs might not have.

This will include working with person from 3

- a. Grid Computing is a big part of Oracle, **6pts in depth look at Grid Architecture**

- b. At least 2 other architectures will also be looked at from REF 4 **Brief intro to two other distinct features (6pts)**

3. Comparison of Oracle DB (9 points) **Adam**

- This is an additional informative part of the project that will narrow in on researching key differences between MariaDB and Oracle DB where we will look at:

- a. Comparisons of DBs

- i. Pros and Cons of each DB **5pts for analysis comparison**

- b. What makes Oracle DB so popular **4pts**

- i. Why to use it?

ii. When wouldn't you want to use it

This will be connected to (4) but we are still thinking

4. Description of Oracle as a complete system. (4 points) [Adam](#)

- This part will be an attachment to part (3) where we look at Oracle DB as a whole RDBMS system.

Who:

- 1) 25 pts split into 13/12 pts
- 2) 12 pts
- 3) 9pts joint with (4)
- 4) 4pts joint with (3)

Brian 13pts, Jacob 12pts, Adam 13pts, Philip 12pts

Initial Resources:

1) Light overview on what Oracle DB is

<https://www.techopedia.com/definition/8711/oracle-database>

2) Oracle DB intro (Part 1) this might or might not be useful but second reference will be big for (Part 1)

http://www.dba-oracle.com/concepts/starting_database.htm

OR

2) Oracle DB express edition (Basically how to set up useful for Parts 1-4)

https://docs.oracle.com/cd/E17781_01/admin.112/e18585/toc.htm#XEGSG101

3) Quick Wiki intro to OracleDB

https://en.wikipedia.org/wiki/Oracle_Database

4) Oracle DB introduction that will be very useful for parts (Parts 2,3,4)

https://docs.oracle.com/cd/B19306_01/server.102/b14220/intro.htm

5) Lynda Tutorial that seems promising for reading, understanding and putting together our own “Tutorial”(Parts 1)

<https://www.lynda.com/Oracle-tutorials/Learning-Oracle-Database-12c/513600-2.html?srchtrk=index%3a3%0alinktypeid%3a2%0aq%3aoracle+db%0apage%3a1%0as%3arelevance%0asa%3atrue%0aproducttypeid%3a2>

6) Lynda Tutorial that might or might not be useful for certain aspects(?)

<https://www.lynda.com/Oracle-Database-tutorials/Oracle-Database-12c-Backup-Recovery/601796-2.html?srchtrk=index%3a1%0alinktypeid%3a2%0aq%3aOracle+Db+grid%0apage%3a1%0as%3arelevance%0asa%3atrue%0aproducttypeid%3a2>