

Course catalog for Oracle RAC 10g

Oracle RAC

Fee:\$1000

Duration : 2 –day sat-sun , 9am-7pm

Pre-requisit: Oracle dba expertise, system admin expertise, network knowledge ,storage layout knowledge.

**Book : Oracle Database 10g, High Availability with RAC, Flashback & dataguard
By Matthew Hart,Scott Jesse**

This is one of the hottest course in the market . As we have seen based on demand by our clients , oracle RAC tops the list of all . Because this system needs to be available in every company if they are protecting their data and providing high availability 24x7. This course is little bit tough to learn . Very few people can set up this RAC system Properly because of its complexity . This needs knowledge of **oracle database, system admin, storage layout , and network configuration** . So for the beginners it will be little bit time taking process to learn but once they know the idea and knowledge ,they can set up very easily afterwards and make their career better. If you want to be in one of those demanding engineers this course is for you . This needs a high skills on the top of oracle DBA expertise.

Steps to be covered (This cover only 2-node RAC, platform Solaris) :

- a. Storage layout verification.
- b. Network setup and verification.
- c. User and group creation , permission and access check.
- d. Setting up system requirements for RAC on the server.
- e. Running oracle script to verify the status of the server , network and storage,permission etc..
- f. Installation and verification of oracle RAC software .
- g. Installation of Oracle database Software RDBMS on both nodes.
- h. Creating database on the nodes .
- i. Setting up ASM for RAC
- j. Setting up listener after installation of database
- k. Testing the failover for RAC
- l. Testing load balancer between RAC
- m. Testing transaction failure for these RAC
- n. Testing re-start of the database and whole server to see if every thing is OK.

Note : we assume you have enough knowledge and hands on practice to do basic steps that need to setup the Oracle RAC . For some new comers it may take 5-7 days and may not work because of lack of knowledge . So please we suggest that enroll in this

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class only if you think you have enough hands on experience so that you can understand every steps what we are doing .

- **Client first connects to Node 1.**
- **If node 1 fails or taking long time , it should connect to Node 2.**
- **If client is running log transaction , and in the middle of it node 1 fails ? then the transaction should finish via node 2, and all data should be safe .**
- This has draw back of storage failure , because if storage hardware failes then everything is gone ?? then what is the solution ? data should be **mirrored** and **remotely replicated** (here comes use of dataguard).
- **MYSQL cluster** , which is based on the principle of no shared storage .

