

# Course : Oracle 19c workshop with Red Hat 8

**Installing an Oracle server in different configurations**

**Practical course - 4d - 28h00 - Ref. OHW**

**Price : 2650 CHF E.T.**

Why choose Red Hat 8 over Linux? Oracle Linux is built on a Red Hat base, so these are the most common installations. This workshop enables you to create an environment with Oracle 19c on Red Hat 8 in different configurations: Standalone, Dataguard, RAC Cluster and administer the database.

## Teaching objectives

**At the end of the training, the participant will be able to:**

- ✓ Simulate production environments
- ✓ Optimal implementation and administration of Oracle 19c on RedHat 8
- ✓ Install database engine binaries to run a file system database
- ✓ Managing the ASM layer via a Grid infrastructure
- ✓ Set up a Dataguard.
- ✓ Implementing RAC clusters

## Intended audience

Oracle DBA

## Prerequisites

Bonnes connaissances de l'architecture Oracle, de son administration et de l'utilisation de RMAN. Bonnes connaissances en Linux Red Hat et en réseau IP.

## Practical details

### Conditions of realization

Manipulations are performed on VMs via VirtualBox to simulate servers. No graphical interface is used to reflect the prod.

### Teaching methods

Le formateur présente différents scripts pour la création de base, la gestion adrci et les procédures RMAN.

## Course schedule

### PARTICIPANTS

Oracle DBA

### PREREQUISITES

Bonnes connaissances de l'architecture Oracle, de son administration et de l'utilisation de RMAN. Bonnes connaissances en Linux Red Hat et en réseau IP.

### TRAINER QUALIFICATIONS

The experts leading the training are specialists in the covered subjects. They have been approved by our instructional teams for both their professional knowledge and their teaching ability, for each course they teach. They have at least five to ten years of experience in their field and hold (or have held) decision-making positions in companies.

### ASSESSMENT TERMS

The trainer evaluates each participant's academic progress throughout the training using multiple choice, scenarios, hands-on work and more.

Participants also complete a placement test before and after the course to measure the skills they've developed.

## 1 Stand-alone server in File-system and ASM

- Setting up the environment. VM and IP network configuration, Red Hat 8 repositories, DNS server, NTP server.
- System configuration for Oracle Stand-Alone Server.
- RDBMS silent installation. Oracle\*Net configuration.
- Database creation in FileSystem.
- Grid Infrastructure installation, ASM disk configuration.
- Migration from FS to ASM.
- RU (ex PSU) installation.

### Hands-on work

Set up the environment and handle the various points covered in this chapter.

## 2 Dataguard

- Installation of a second Oracle server and direct application of RU.
- Setting up a physical Dataguard.
- Broker configuration.
- Switchover and failover test.
- Transparent customer connections.
- Setting up an Observer for automatic failover.

### Hands-on work

Handling a Dataguard.

## 3 RAC cluster

- Network configuration (public network, Interconnect).
- Shared disks.
- Setting up a two-node RAC cluster.
- Creating a database on a cluster.

### Hands-on work

Setting up a 2-node RAC cluster.

## 4 RAC cluster and Dataguard

- Configuration of a second 2-node RAC cluster.
- Setting up a physical dataguard between the two clusters.

### Hands-on work

Setting up a Dataguard with two RAC clusters.

### TEACHING AIDS AND TECHNICAL RESOURCES

- The main teaching aids and instructional methods used in the training are audiovisual aids, documentation and course material, hands-on application exercises and corrected exercises for practical training courses, case studies and coverage of real cases for training seminars.
- At the end of each course or seminar, ORSYS provides participants with a course evaluation questionnaire that is analysed by our instructional teams.
- A check-in sheet for each half-day of attendance is provided at the end of the training, along with a course completion certificate if the trainee attended the entire session.

### TERMS AND DEADLINES

Registration must be completed 24 hours before the start of the training.

### ACCESSIBILITY FOR PEOPLE WITH DISABILITIES

Do you need special accessibility accommodations? Contact Mrs. Fosse, Disability Manager, at psh-accueil@orsys.fr to review your request and its feasibility.

## Dates and locations

### REMOTE CLASS

2026 : 17 Mar., 23 June, 29 Sep., 1 Dec.