



ORACLE

**CURS
ORACLE
ADMINISTRARE**

Durata: 5 zile x 8 ore/zi

AGENDA CURS

MODULUL 1

EXPLORING THE ORACLE DATABASE ARCHITECTURE

MODULUL 2

INSTALLING YOUR ORACLE SOFTWARE

MODULUL 3

CREATING AN ORACLE DATABASE

MODULUL 4

MANAGING THE ORACLE DATABASE INSTANCE

MODULUL 5

MANAGE THE ASM INSTANCE

MODULUL 6

CONFIGURING THE ORACLE NETWORK ENVIRONMENT

MODULUL 7

MANAGING DATABASE STORAGE STRUCTURES

MODULUL 8

ADMINISTERING USER SECURITY

MODULUL 9

MANAGING DATA CONCURRENCY

MODULUL 10

MANAGING UNDO DATA

AGENDA CURS

MODULUL 11 IMPLEMENTING ORACLE DATABASE AUDITING

MODULUL 12 PERFORMANCE MANAGEMENT

MODULUL 13 MOVING DATA

MODULUL 14 BACKUPS

MODULUL 15 USING THE RMAN RECOVERY CATALOG

MODULUL 16 CONFIGURING BACKUP SETTINGS

MODULUL 17 RMAN BACKUP TYPES

MODULUL 18 RESTORE AND RECOVERY TASK

MODULUL 19 USING RMAN TO PERFORM RECOVERY

MODULUL 20 MANAGING MEMORY

DESPRE ACEST CURS

Cursul Oracle Administrare iti explica in detaliu cum sa administrezi, securizezi si sa intretii Serverul Oracle si bazele sale de date.

Cursul Oracle Administrare este disponibil pentru versiunile de Oracle: 18c, 12, 11, 10

Cursul Oracle Administrare se adreseaza tuturor celor care isi propun sa:

- fie familiarizati cu arhitectura Serverul de baze de date Oracle
- instaleze si sa configureze Serverul Oracle
- creeze si sa seteze parametri initiali pentru noile baze de date Oracle
- implementeze securitatea cu useri, roluri si privilegii
- auditeze baza de date Oracle
- urmareasca si sa interpreteze rapoartele de performanta
- migreze datele (Import/Export/Copy/Move)
- implementeze planuri de mentenanta
- faca copii de siguranta ale datelor (Backups)
- restaureze datele in caz de dezastru (Data Recovery)

Agenda cursului



LECTII

- Oracle Database Architecture Overview
- Oracle ASM Architecture Overview
- Process Architecture
- Memory structures
- Logical and physical storage structures
- ASM storage components



LECTII

- Tasks of an Oracle Database Administrator
- Tools Used to Administer an Oracle Database
- Installation: System Requirements
- Oracle Universal Installer (OUI)
- Installing Oracle Grid Infrastructure
- Installing Oracle Database Software
- Silent Install



LECTII

- Planning the Database
- Using the DBCA to Create a Database
- Password Management
- Using the DBCA to Delete a Database



LECTII

- Start and stop the Oracle database and components
- Use Oracle Enterprise Manager
- Access a database with SQLPlus
- Modify database installation parameters
- Describe the stages of database startup
- Describe database shutdown options
- View the alert log
- Access dynamic performance views



LECTII

- Set up initialization parameter files for ASM instance
- Start up and shut down ASM instances
- Administer ASM disk groups



LECTII

- netca and netmgr
- Use tnsping to test Oracle Net connectivity
- Identify when to use shared servers and when to use dedicated servers



learning®

... learning that matters

office@itlearning.ro - 0787.692.238

MODULUL 7

MANAGING DATABASE STORAGE STRUCTURES



LECTII

- Storage Structures
- How Table Data Is Stored
- Anatomy of a Database Block
- Space Management in Tablespaces
- Tablespaces in the Preconfigured Database
- Actions with Tablespaces
- Oracle Managed Files (OMF)



LECTII

- Database User Accounts
- Predefined Administrative Accounts
- Benefits of Roles
- Predefined Roles
- Implementing Profiles



LECTII

- Data Concurrency
- Enqueue Mechanism
- Resolving Lock Conflicts
- Deadlocks



LECTII

- Data Manipulation
- Transactions and Undo Data
- Undo Data Versus Redo Data
- Configuring Undo Retention



LECTII

- Describe DBA responsibilities for security
- Enable standard database auditing
- Specify audit options
- Review audit information
- Maintain the audit trail



LECTII

- Performance Monitoring
- Managing Memory Components
- Enabling Automatic Memory Management (AMM)
- Automatic Shared Memory Advisor
- Using Memory Advisors
- Dynamic Performance Statistics
- Troubleshooting and Tuning Views
- Invalid and Unusable Objects



LECTII

- Describe ways to move data
- Create and use directory objects
- Use SQL*Loader to move data
- Use external tables to move data
- General architecture of Oracle Data Pump
- Use Data Pump export and import to move data
- Manage patches



LECTII

- Purpose of Backup and Recovery (B&R), Typical Tasks and Terminology
- Using the Recovery Manager (RMAN)
- Configuring your Database for B&R Operations
- Configuring Archivelog Mode
- Configuring Backup Retention
- Configuring and Using a Flash Recovery Area (FRA)



LECTII

- Tracking and Storing Backup Information
- Setting up a Recovery Catalog
- Recording Backups
- Using RMAN Stored Scripts
- Managing the Recovery Catalog (Backup, Export, Import, Upgrade)



LECTII

- Configuring and Managing Persistent Settings for RMAN
- Configuring Autobackup of Control File
- Backup optimization
- Advanced Configuration Settings: Compressing Backups
- Configuring Backup and Restore for Very Large Files (Multisection)
- Creating Backups with RMAN



LECTII

- Creating and Using the following:
 - Backup Sets and Image Copies
 - Whole Database Backup
 - Fast Incremental Backup
 - Configure Backup Destinations
 - Duplexed Backup Sets
 - Archival Backups



LECTII

- Restoring and Recovering
- Causes of File Loss
- Automatic Tempfile Recovery
- Recovering from the Loss of a Redo Log Group
- Recovering from a Lost Index Tablespace
- Re-creating a Password Authentication File
- Complete and Incomplete Recovery
- Other Recovery Operations



LECTII

- Complete Recovery after Loss of a Critical or Noncritical Data File
- Recovering Image Copies and Switching Files
- Restore and Recovery of a Database in NOARCHIVELOG Mode
- Incomplete Recovery
- Performing Recovery with a Backup Control File
- Restoring from Autobackup: Server Parameter File and Control File
- Restoring and Recovering the Database on a New Host



LECTII

- Oracle Memory Structures
- Oracle Database Memory Parameters
- Using Automatic Memory Management
- Automatic Shared Memory Management
- Using Memory Advisors
- Using Data Dictionary Views

METODA DE LUCRU

Ce inseamna webinar live cu instructor?

Cursurile "IT (Distance) Learning" online (in clasa virtuala, cu trainer) combina resurse de instruire video, text, laboratoare hands-on, furnizate de trainer, pentru a vă ajuta să vă dezvoltați abilitățile IT, în ritmul propriu, fara a fi necesar să va deplasati din locatia unde va aflati.

Cursurile "IT (Distance) Learning" sunt livrate online de trainerii IT Learning, certificati Microsoft Certified Trainer (MCT), sunt bazate pe aceeasi agenda bine structurata si pe instruirea practica, garantand dobandirea de catre absolventi a competențelor si abilităților esentiale, ca si cursurile „live”, sustinute in sala de clasa.

Specificatii tehnice pentru sustinerea cursurilor Online (Distance Learning):

- Se va lucra pe grup de Microsoft Teams, Zoom, Webex sau orice alta aplicatie de tipul web conference/desktop sharing.
- Resursele de instruire (fisierle cu aplicatii, exemple etc.) se vor pune pe OneDrive si se vor trimite participantilor link-urile aferente, pe adresele de e-mail.
- Fiecare participant trebuie sa aiba calculator, cu programul predat, instalat si legatura stabila la internet.
- Inainte cu o zi de data inceperii cursului, trainerul va face proba de conectare pe grupul Teams, Zoom, etc.

STANDARD DE CALITATE

Conform insusi principiului de baza al Sistemului de management al calitatii, implementat de IT Learning, obiectivul nostru este satisfactia clientului. Pentru atingerea acestui obiectiv, evaluarea calitatii serviciilor livrate este esentiala.



In acest sens va incurajam sa folositi orice cale si metoda de comunicare (feedback la cald si la rece, testimonial scris, telefon, e-mail, blog, forum, retele sociale etc.), pentru a va exprima, nu atat satisfactia pentru calitatea serviciilor noastre, care reprezinta in fapt angajamentul nostru ferm, asumat prin contract, cat mai ales, daca este cazul, insatisfactia de orice fel privind prestatia noastra, care ne va ajuta sa imbunatatim standardul acestor servicii, in beneficiul dvs.

CE INCLUDE TAXA DE PARTICIPARE LA CURS

Taxa de participare include *serviciile de instruire in clasa, cu instructori certificati Microsoft*, precum si urmatoarele beneficii, unice in Romania, oferite exclusiv de IT Learning:

- Suportul de curs in format electronic (manualul *Step by step*, in limba romana, in format text, plus capturile de ecran aferente si prezentarile din timpul cursului in format PowerPoint, precum si workshop-urile de la curs);
- Access pe cel mai mare portal e-learning www.office-learning.ro, dezvoltat de trainerii si consultantii IT Learning, pentru o perioada de 12 luni;
- Evaluarea finala a cunostintelor si abilitatilor practice dobandite in urma absolvirii cursului, prin rezolvarea unui exercitiu complex, in cadrul unui workshop;
- Certificatul de participare, care atesta absolvirea cu succes a cursului;
- Raportul de evaluare, redactat de trainer, in care va fi consemnat progresul dvs., comparand nivelul initial de abilitati, cu cel final;
- Consultanta post-instruire, prin intermediul forumului Comunitatii utilizatorilor MS Office din Romania, in calitatea dvs. de membru.

ECHIPA DE TRAINERI DR. EXCEL



Bogdan Târlă
Dr. Excel



Valy Greavu
Dr.Sharepoint



Ciprian Cărbunaru
Dr. Powerpoint



Teodor Darabaneanu
Dr. Project



Andrei Neagu
Dr.Access/Dr.SQL



Petru Stepanov
Dr. Word



Adrian Suteu
Dr. PowerBI





Oferta IT Learning se adreseaza tuturor celor care doresc sa se perfectioneze prin cursuri personalizate. Daca va doriti un training customizat, livrat conform nevoilor dvs. de instruire, in perspectiva cresterii expertizei si atingerii obiectivelor propuse, IT Learning este cea mai potrivita alegere.

Companiile si persoanele fizice interesate de serviciile noastre ne pot scrie la adresa: office@itlearning.ro

Obtineti mai multe informatii despre oferta noastra de cursuri:

Locatie Centru de Training



Sos. Olari, nr. 7, Etaj 4, Sector 2, Bucuresti

Telefon fix

0314-334.356, 0371.356.059

Telefon mobil

0787.692.238

Fax

0371.602.780

Email

office@itlearning.ro

Adresa web

www.itlearning.ro





learning[®]

... learning that matters