

# Indus – IT Training

**Course: Oracle 10G DBA - Training Course Curriculum**

Duration: Four Weekends/ Sat & Sun: 9.00am – 1.00pm or 1.00pm – 5.00pm

Weekdays - Mon, Wed, Fri: 6.30pm – 9.30pm or Tue, Thu: 6.30pm – 9.30pm

## ORACLE 10g DBA

### Architecture & Configuration

1.1 Instance V/S Database

1.2 Components of an instance

1.3 SGA V/S PGA

1.4 Background processes

### Installation & OFA

2.1 Linux Installation

2.2 Pre Installation checks

2.3 Oracle Software Installation

2.4 Creating Database using DBCA

### SQL and UNIX for DBA management

3.1 Creating Database using script

3.2 Review SQL and UNIX concepts

### Database startup and shutdown process

4.1 Storage Concepts

4.2 Database startup and shutdown process

4.3 Network components Listener, netca

### Memory and Space Management

5.1 Parameter file V/S spfile

5.2 Automatic Memory Management

5.3 Space Management LMTS, ASSM

5.4 Control file, UNDO and REDO management

**Location: 1033 Sterling Road, Ste. 204, Herndon-VA-20170. USA.**  
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**(Intersection of Sterling Road & Elden Street in Herndon)**

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## Oracle object management

6.1 Users, Roles and privileges

6.2 Tables, constraints, Indexes, views and Triggers

6.3 Oracle materialized views and Partitioned Tables

## Oracle Utilities

7.1 Data pump (Imp and exp utilities)

7.2 SQL\*Loader

7.3 Flashback

7.4 Data Guard concepts

7.5 Oracle DBA utilities – Oracle dbms packages

## Database Monitoring and Performance tuning

8.1 Dictionary and v\$ views

8.2 Table & index monitoring

8.3 workload & trend monitoring

8.5 Instance monitoring

8.6 using AWR for monitoring

## OS and SQL tuning methods

9.1 OS Monitoring

9.2 Performance Management ADDM

9.3 SQL tuning. Instance tuning

## Backup and Recovery

10.1 OS-level backups, Hot VS. Cold backups

10.2 Hardware-level backup & recovery

10.3 Block-level change tracking

10.5 Backup & recovery using RMAN

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