

# Future of Oracle DBA (Courtesy : Internet sources.)

DBA jobs are among top 10 IT jobs in terms of growth. When we invest in DBA career it is obvious to have questions like what will be future of Oracle DBA ?. We must understand the future prospects of Oracle DBA today to support our decision.

If we understand Role of DBA then, now and in future we can narrow the gap of forecasting. Try to understand the roles of DBA in Late 20<sup>th</sup> Century, Early 21<sup>st</sup> Century and forecast of DBA role by 2020. Once you have above understanding you are 90% confident that what you have chosen is right. No forecast is 100%. **Following confirms that DBA has good future and good growth any time.**

Oracle DBA duties / role by 2020			
Period	Hardware / Software	Change in Database Technology	Change in Oracle DBA Duties
Late 20 <sup>th</sup> Century	32 Bit processors, Hundreds of Unix based Oracle Servers, High procurement cost, High waste as each Oracle instance on each server	Relational Database Technology dominate the market	Install, Patch and Maintain multiple servers, Tune all Oracle instance components including SQL and PL/SQL, Schema changes, Backup recovery strategy
Early 21 <sup>st</sup> Century	64 bit processors/ RAM speed from 20 microseconds to Picoseconds, Server consolidation era, Hardware cost fallen, Expenses are focused on programmers and DBAs	Grid, High Availability (RAC), Dataguard, Cloud processing, Solid State Data Storage	Fail Over, SQL Tuning and Performance Optimization, Data modelling, Database Design, Database interface protocols, Data Security, Manage development project, predication of hardware usage and user role, The DBA job role became far more demanding, and many companies started to view the DBA as a technical management position, encompassing far more responsibility than the traditional DBA.
By 2020	Hardware cost will be negligible and IT budget shifts to human cost, Patches and upgrades will be done by software vendors without interruption. No software piracy	Cloud Database, Autonomous Database, Oracle will respond and incorporate new hardware technology into database engine	Apart from DBA Role, Capacity Planning, Cloud Management, No SQL Framework and Tools, Business Applications and Functions understanding and Skills of Multiple Database like Sql server, Mysql, Cassandra, Hadoop