

DBA MINDSET

Types Of DBAs

I M G A R D E K O K O B E

WHAT YOU WILL LEARN

*Learn the different DBA roles and
how to identify them*

TYPES OF DBA'S

*Application
Systems
Maintenance*

APPLICATION DBA

- This person is responsible for a specific application(s) and all the corresponding database objects at the schema/user level.
- This DBA works closely with the developers and data modelers to assist with table definitions and schema creation and also focuses on tuning a particular application by adding indexes or tuning SQL and PL/SQL.
- Ultimately this person becomes an expert on the application and database objects involved.
- It is common to assign new DBAs to this position initially.
- Note: A schema is just a collection objects owned by a user.

SYSTEMS DBA

- This type of DBA manages the database at the database level. Specifically, makes sure the actual database is running, backups are implemented, and everything is interfacing well with the other systems (such as the OS).
- This DBA works very closely with the System Administrator(s) to ensure that the total system is available and secure. While not every shop has someone assigned as an Application DBA

MAINTENANCE DBA

- This DBA supports pre-existing systems. There usually isn't much new development on these systems, just making sure they are available as needed. This type of work can involve converting old systems (such as SQL Server to Oracle), doing upgrades to a newer version of the oracle database, applying patches etc.
- In my company I am both systems DBA and Maintenance DBA and do some Application DBA tasks. As I mentioned earlier to you, our users are the Application DBAs. Often, a DBA is a combination of all three types especially in smaller to mid-size shops; a DBA will be expected to do everything.
- Note: The Application DBA supports the applications and the developers, the Maintenance DBA maintains and upgrades existing systems and the System DBA, manages all the databases as a total system.

WHICH ONE ARE YOU?

- *Depends on the shop*
- *A great DBA is the one who has developed the skills to perform any of these roles.*

QUESTIONS

Ask Questions