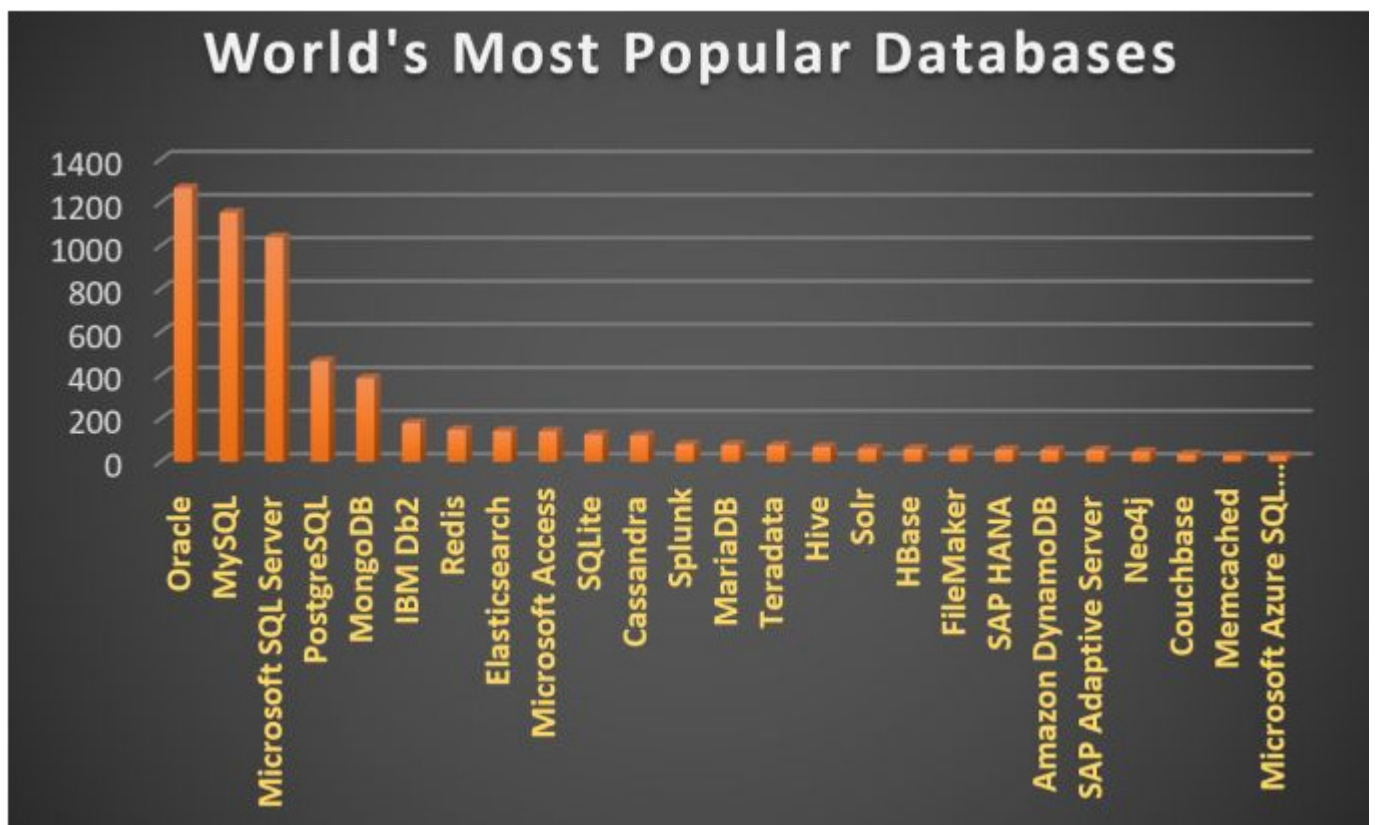# DBA Career , Q&A

Do you wonder which database is the most popular database in the world? Is it MySQL or SQL Server or Oracle?
The following table Lists world's most popular databases with their rankings. Higher score means higher ranking.

According to the Bureau of Labor Statistics,
DBA jobs are expected to grow **11 percent by 2026**, which is faster than the 7 percent average for all occupations."

The most popular database in the world is Oracle according to DB-Engine ranking.
Oracle is followed by MySQL, SQL Server, PostgreSQL, and MongoDB in the ranking.

The following table lists world's most popular databases and their rankings.

	Database	Rank
1	Oracle	1268.84
2	MySQL	1154.27
3	Microsoft SQL Server	1040.26
4	PostgreSQL	466.11
5	MongoDB	387.18
6	IBM Db2	179.85
7	Redis	149.01
8	Elasticsearch	143.44
9	Microsoft Access	141.62
10	SQLite	126.8
11	Cassandra	122.98
12	Splunk	81.43
13	MariaDB	78.82
14	Teradata	76.19
15	Hive	69.91
16	Solr	61.48
17	HBase	60.39
18	FileMaker	57.15
19	SAP HANA	56.64
20	Amazon DynamoDB	55.09

The DB Engines score is calculated based on the following factors,

1. Number of results in Google, Bing, and Yandex search engines
2. Frequency of searches in Google Trends
3. Frequency of technical discussions on the well-known IT-related Q&A sites Stack Overflow and DBA Stack Exchange
4. The number of job offers on Indeed and Simply Hired.
5. Number of profiles in professional networks including LinkedIn and Upwork.
6. Mentions in Twitter tweets.

What is an Oracle DBA?

In general terms, a database administrator (DBA) is responsible for the organization, integrity, and management of a company's data. While the specific roles, responsibilities, duties, and job titles of a DBA can vary greatly, the DBA typically applies knowledge of database management systems (DBMS) to define, create, maintain, back up, and secure an organization's databases.

1. The principal objective of the DBA is to ensure that authenticated users have access to the data they need, when they need it
2. The DBA has excellent problem-solving abilities, a high level of expertise in the relevant database(s) and related technologies, and knows how to communicate effectively with a range of techies and non-techies alike
3. All industries rely heavily on databases

DBAs work closely with business analysts and information systems managers to select or develop databases that support business needs and keep those databases running smoothly and securely.
A DBA's daily duties, and activities will depend on a variety of factors, including:

- Size of the organization and its IT department
- Types, volume, and rate of accumulation of data
- How and where the data are used, how often, and by whom
- The organization's focus on data innovation and related projects
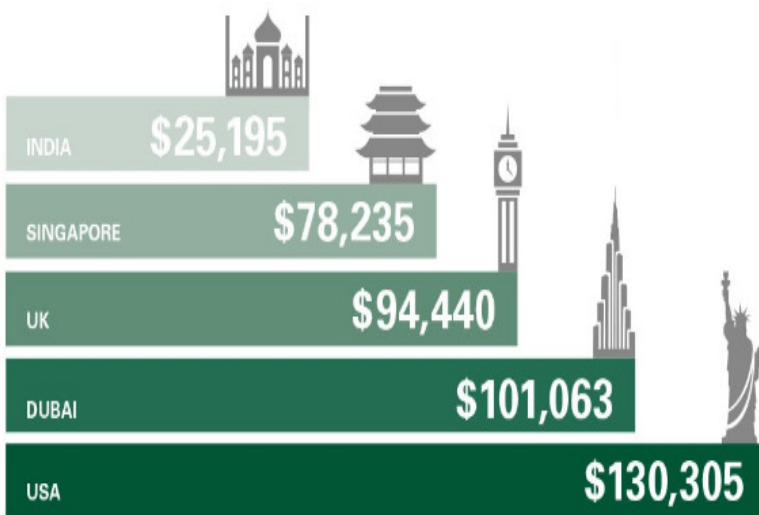
Which database administrator skills do you need?

Role	Ensures the database is available to all relevant users, is performing properly, and is being kept safe
Mindset	Master of Disaster Prevention
Languages	SQL, Python
Skills and Talent	• Backup and recovery • Data modeling and design • Dist. Computing • Database systems • Data security • ERP and business knowledge

How is the role of the Oracle DBA changing?

With the release of a database that is self-driving, self-securing, and self-repairing, you may wonder what this means for you as a DBA; will you still be needed? **The answer is YES.** The current high demand for DBAs is not going to change. Oracle DBAs are needed now and will be for a long time to come. Thousands of companies need Oracle DBAs who understand the daily tasks needed to administer databases, optimize systems, and manage data. The new database direction of Oracle provides current DBAs with more opportunity. The database world is expanding. One example of this is Oracle Cloud. Learn about Cloud and gain a specialized skill to add to your skill set – one that opens more doors so you can put your skills to use.

SALARIES ACROSS THE GLOBE (SENIOR DBA)

Country	Salary
INDIA	$25,195
SINGAPORE	$78,235
UK	$94,440
DUBAI	$101,063
USA	$130,305

What should you know before becoming an Oracle DBA?

Pick your starting operating system wisely. Start your learning process on the operating system with which you are most familiar but, at some point, you'll want to familiarize yourself with UNIX or Oracle Linux, too. Broaden your operating system knowledge. This applies particularly well if your primary operating system has been Windows, since most of the work you do as an Oracle DBA will involve Oracle Linux or UNIX.

Add the Oracle Database Administrator Certified Professional 2019 credential to your resume. *Certified employees are able to manage and lead projects: "Certified people will be able to take the lead in evaluating and adopting our various initiatives.*

Familiarize yourself with virtualization. DBAs work with a variety of operating systems, so learning about multiple virtual machines is a good idea.

Take time to learn about Automatic Storage Manager (ASM), and Real Application Clusters (RAC). Knowledge of ASM and grid infrastructure will come in handy when you need to deal with RAC installation.

Steps I can follow to become an Oracle DBA?

Step 1 **Do some research about the role**
- To validate your desire to become an Oracle DBA, start by looking into what's involved. Go to job sites like Indeed.com and search for terms including database programmer, Oracle database, and Oracle developer. The search results will include descriptions of available job listings that include those terms. Read the job listings, which will help you get a broad view of the kinds of duties performed by Oracle DBAs.
- Do some online searches for phrases such as "Oracle DBA" or "How I Became a DBA". You'll find blogs and articles from and about DBAs at all levels. Read this information carefully and see if the work sounds like it's a good fit for your interests.
- Talk with working DBAs–you can find them by attending professional events (Oracle.com lists many on the Search Oracle Events page), going to user-group conferences, or reaching out on social media.

Step 2 **Study the basics of database administration**
The more you know, the better prepared you are. Look online for articles and blogs on topics such as:

- Establishing users, privileges, and roles
- Securing the database from unauthorized access
- Configuring and upgrading the database
- Monitoring the database

Step 3 **Take training courses**
Data management is becoming increasingly complex. Taking training courses from Oracle University and preparing for an Oracle certification credential sets you apart from the competition. "Oracle's reputation provides credentials boost: "If an education credit is stamped by Oracle, people look at it differently both inside and outside the company. Also, working directly with Oracle carries kind of a platinum standard, and looks better on a resume. Learn **from certified and practicing DBA to get real time knowledge. ITS is not just training center but support lots of customers for 24x7 DBA support**.

Step 4 **Learn about related technologies**
You may be noticing by now that being an Oracle DBA requires nonstop learning (part of what makes this job so rewarding) about the database itself and all things related. Database technologies are constantly evolving and it's a challenge to stay up to date on what's new. While you don't have to become an expert in all these topics right away, familiarize yourself with the following:

- NoSQL databases
- In-memory databases
- Big data
- Container databases
- Cloud and on-premises databases

Step 5 Look for database developer positions
A great way to get started on your road to becoming an Oracle DBA is to work as a database developer in an Oracle environment. You will learn about designing and coding, optimizing and tuning the database, improving performance, solving problems, and developing skills that form a solid foundation for when you progress into the DBA role.

Step 6 Take advanced training
By this point in your career progression, you're ready to take a deeper dive into the advanced topics you'll need to know as an Oracle DBA. Learn Oracle RAC, Dataguard courses which is necessity now.

Step 7 Get certified
Earning an Oracle Database Certification shows current and future employers that you can perform the job. When asked, 75% of certification holders say they find themselves in greater demand for their skills since getting certified. This is a proactive way to prove you're ready to work as a full-fledged Oracle DBA, while keeping your knowledge and skills up-to-date. Now a days Oracle exams are real tough. One cannot pass Oracle OCP exams just by reading questions and answers available on internet. You will find very few certified profiles who have cleared 12c/18c/19c OCP exams. So if you clear this exam and earn OCP certification that would 100% help you to get better and fast prospects.

What does a Junior DBA do?

Junior DBAs are likely to focus mostly on the more routine database administration tasks, such as backups, assigning user rights, and day-to-day troubleshooting.

10 things all junior DBAs should know

Essentialsql.com outlines 10 things all junior DBAs should be familiar with.

- Backup and restoration
- How to read a query plan
- Scripting
- Basic optimizations
- Knowledge of normalization
- Stored procedures and triggering
- Working with developers
- Knowledge of SQL
- Storage systems
- Operating Systems

What do DBAs like about their jobs?

- Recognition as a problem solver
- Working with the latest technologies
- Being at the leading edge of business innovation
- Being a specialist
- Working with everybody
- The prestige of being at the heart of the engine room
- Excellent career prospects and job security

Best Technology Jobs

#1 Software Developer

#2 Computer Systems Analyst

#3 IT Manager

#4 Information Security Analyst

#5 Database Administrator

BEST JOBS U.S.News 2019

Quick Stats

$87,020
MEDIAN SALARY
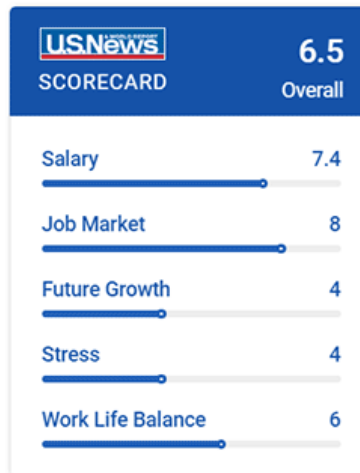
1.1%
UNEMPLOYMENT RATE

13,700
NUMBER OF JOBS

Rankings

Database Administrators rank # 5 in Best Technology Jobs. Jobs are ranked according to their ability to offer an elusive mix of factors. Read more about how we rank the best jobs.

Database Administrators are ranked:

🛡 #5 in Best Technology Jobs

🛡 #22 in Best STEM Jobs

🛡 #48 in 100 Best Jobs

U.S.News SCORECARD

		6.5 Overall
Salary		7.4
Job Market		8
Future Growth		4
Stress		4
Work Life Balance		6

Conclusion :

- Very few DBAs available against demand.
- Very Few certified profiles available against demand
- DBA profiles with Advance knowledge are rare
- Evergreen DBA demand, Everlasting career.
- Automation has strengthen DBA job role.

- College students do not have much knowledge of DBA jobs and Prospects
- Good Salary Packages.
- If you are interested in databases then DBA career is recommended 100%