

Database Deployment Options

This reading introduces you to the concept of Database-as-a-Service (or DBaaS) and enables you to differentiate the available database hosting options.

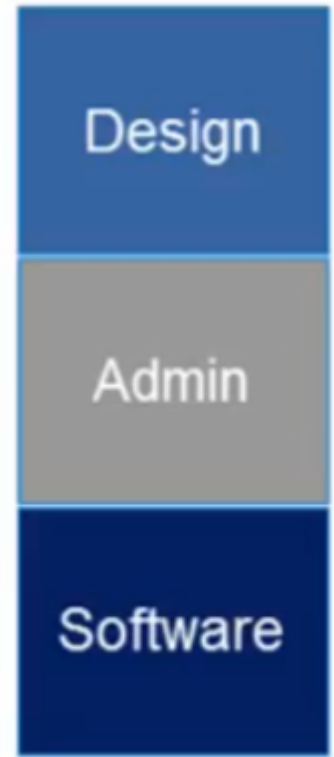
The major consideration when choosing the best database for your applications and organization is around where to host it and how it is being managed. It is important to understand all of the components to make sure you end up with the simplest and most cost-effective option.

In a traditional in-house do-it-yourself scenario, you will own the setup of the underlying hardware and operating system, installation and configuration of the chosen database management system, overall administration including patching and support, and of course how the application data is designed.



Do-It-Yourself

This contrasts a little bit with hosted database solutions. A hosted database solution means the provider is choosing what hardware your database runs on, and they are provisioning it for you. But it is your responsibility to provide and install the software, perform the administrative tasks, and do the design. So, at the end of the day, the hosting provider are handing the administrative keys over to you and it's really up to your team of database administrators to keep things scaling and running smoothly.



Hosted

In comparison, using a fully managed database-as-a-service (or DBaaS) is really meant to eliminate the complexity and risk of doing it all in-house, and help development teams get to market faster, scale more smoothly and massively, and provide better performance and availability for end users.

The only concern for users of a fully managed DBaaS is the design and development of their product. Guaranteed uptime, availability, and scalability are all the result of a fully managed DBaaS.

You mitigate risk by offloading database administration and data layer management issues from your development team. And you ensure that your developers need only concern themselves with what really matters – developing better applications for your customers.

