How to choose the best database deployment for your business

There are a few different deployment options for databases, but picking the right one can be confusing. To make the right choice, you need to consider both your business needs and the differences between deployments. Before making your final decision, discover what each can do for you.

**On-premises deployments**
- Allows the most customization and visibility into data location and movement.
- Keeps you in control of updates and maintenance.
- Runs behind your firewall for additional security and compliance.
- Offers better latency due to in-network or dedicated WAN connections.
- Requires the largest upfront investment in hardware to prepare for peak demand.

On-premises deployments offer the highest level of control, but require the highest level of upkeep and management. This option is perfect for those wishing to keep a close eye on their deployment.

**Hosted cloud deployments**
- Integrates better with on-premises systems than managed cloud deployments.
- Allows off-site disaster recovery without the need to buy additional infrastructure.
- Offers the ability to use existing database licenses in many cases.
- Provides limited access and control over bandwidth than on-premises deployments.
- Provides limited optimization since data is not stored on your own hardware.

Hosted cloud deployments remove the responsibility of acquiring and maintaining hardware, while still offering a limited amount of control over your database. This option is for those seeking a middle ground between on-premises and managed services.

**Managed cloud deployments**
- Offers rapid elasticity, such as cloud bursting, to independently scale, compute and store.
- Eliminates the need to maintain peak capacity by allowing you to only pay for what you use.
- Limits control over monitoring and bandwidth to what was specified in the service-level agreement with your vendor.
- Provides fast and efficient deployment for development or departmental usage.
- Managed cloud vendor selects database software used, encouraging lock-in and potentially limiting the use of client's existing database licenses.

Managed cloud deployments are designed for simplicity, removing many of the concerns of provisioning and maintenance, but providing the least amount of control of any deployment option.

Learn more about the benefits that up-to-date database technology can provide.

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