

Gartner: The Future of Database is in the Cloud

Written by Frederick Douglas
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By 2022, 75% of all databases will be deployed or migrated to the cloud, Gartner reports, with just 5% considered for repatriation on-premises. Such a trend is the result of databases used for analytics, and the SaaS model.



“According to inquiries with Gartner clients, organisations are developing and deploying new applications in the cloud and moving existing assets at an increasing rate, and we believe this will continue to increase,” the analyst says. “We also believe this begins with systems for data management solutions for analytics (DMSA) use cases-- such as data warehousing, data lakes and other use cases where data is used for analytics, artificial intelligence (AI) and machine learning (ML). Increasingly, operational systems are also moving to the cloud, especially with conversion to the SaaS application model.”

According to Gartner, 2018 database management system (DBMS) revenue is up by 18.4% to \$46 billion. Cloud DBMS accounts for 64% of the 18.4% growth, with Microsoft and AWS accounting for 75.5% of the total market growth. Thus, it stands to reason to conclude cloud service provider (CSP) infrastructures and the services running on them are becoming the new data management platform.

In addition, ecosystems are forming around CSPs able to both integrate services within a single CSP and provide early steps toward intercloud data management. This is in distinct contrast to the on-premise approach with individual products serving multiple roles but rarely offering built-in capabilities to support integration with adjacent products within the on-premises deployment environment. While on-premises systems should see some growth, it is generally due to price increases and forced upgrades undertaken to avoid risk.

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“Ultimately what this shows is that the prominence of the CSP infrastructure, its native offerings, and the 3rd offerings that run on them is assured,” the analyst concludes. “A recent Gartner cloud adoption survey showed that of those on the public cloud, 81% were using more than one CSP. The cloud ecosystem is expanding beyond the scope of a single CSP-- to multiple CSPs-- for most cloud consumers.”

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