Achieving Hybrid IT: Five Database Must-Haves for Meeting Evolving Needs

By 2017, 80% of enterprises will have adopted a hybrid IT strategy composed of public cloud, on-premises and private cloud components according to IDC. In an increasingly "cloud-first" era, agile, scalable infrastructure matters more than ever, and the need for a database that scales, up, out and into the cloud is evident.

Here is a brief look at the changing nature of business, the growing importance of data to all parts of the enterprise, and five key considerations when evaluating database options for tomorrow's enterprise.

1. Support for Next Generation Applications

We are in an increasingly application-driven economy, where "there's an app for that" has gone from meme to truism. In the new digital era, business is increasingly relying on technology to support faster, better informed decisions. Development platforms that combine sophisticated database with decision support tools provide the foundation for cognitive applications that can learn and react to customer preferences using natural language.

2. Enabling Big Data for Every Enterprise

Big Data means nothing unless it can provide big insights. This demands a database that can handle traditional structured as well as non- or semi-structured data, utilizes the latest in-memory acceleration techniques to speed processing of columnar data, and uses threading and vectorization to get the most out of today's multiprocessor servers and clusters.

3. Support for True Hybrid IT

Hybrid IT is the new normal. Virtually every business today utilizes cloud services – whether SaaS, PaaS or IaaS – in some form, and it is common to see multiple clouds in use in combination with on-premises infrastructure. It is clear that having data locked in silos, unavailable to other applications, is an impediment to delivering the insightful, data-driven apps that users demand. The database must support multiple sources of information and connect traditional enterprise data to new web or mobile apps, regardless of whether they are created on-premises or born in the cloud.

4. Supporting Cloud Economics

As business demands and cloud options change, application workloads may be delivered more economically from the cloud – or may need to shift to on-premises for regulatory or compliance reasons. Choose a database that offers the power and agility, with cloud-ready features such as self-service cloud deployment, subscription licensing, and worldwide reach to meet hosting requirements whether in the US, the EU, or anywhere in the world.

5. Database Security and Uptime

There is no time for downtime in our 24/7 economy, and the penalties for not meeting data protection guidelines can be severe. Since the database is the heart of the enterprise, choose a solution that delivers on security and privacy goals while enabling disaster recovery and business continuity that ensures availability, period.
effort.

Making the Right Choice

IBM DB2 delivers on all these – and more on a solid, versatile platform that grows with your future needs whether on-premises, in the cloud or both. To find out what DB2 can do for your enterprise, click here.

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