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On- Prem, Hybrid, Cloud:
Which One Is Right For Us

Is A Hybrid Cloud Environment Right For You?

FIVE KEY FACTS TO KNOW ABOUT THE HYBRID DATA CENTER

The hybrid cloud has at last answered the question of whether data centers are superior to the public cloud. The answer is neither because businesses can now enjoy the best of both worlds.

Hybrid ecosystems combine third party, cloud-based, and on-premises services that shift easily between private and public clouds. How data is deployed depends on an enterprise's needs at any given time rather than on a limited set of tools and traits. Sensitive data can be given an extra layer of security, while customer-facing archives can shift onto public clouds.

Here are five key facts to know about the hybrid data center:

1. **Hybrid Clouds Need Good Infrastructures**
   Regardless of the type of data center virtualization an enterprise chooses, it's still reliant on infrastructure. Hybrid systems are no less prone to outages than any other data center configuration, but they can be supported by the creation of redundancies. Multiple cloud services can be leveraged to improve reliability.

2. **Hybrid Cloud Suits Dynamic Workloads**
   Hybrid cloud systems can tailor security uniquely for every category of data. This makes it far easier to comply with security policies, even if they're constantly in a state of flux. If a company's workloads change from season to season, access to more resources is also possible from the public cloud, so businesses whose computing needs tend to spike suit hybrid models particularly well.

3. The Big Data Payoff

All data related to marketing, sales, and other aspects of business can be accumulated in a scalable cloud to support a range of metrics and improve the accuracy of analytics.

4. Cloud Bursting

Typically, businesses begin their data center virtualization in a private cloud, "bursting" into public terrain when their needs change and grow. This is an obvious way to gain scalability, and encrypted networks allow companies to shift data without risking theft.

Hybrid cloud is thus an infrastructure rather than a "type" of product. It's a strategy that combines private and public clouds through common services, tools, and applications. Enterprises needn't obliterate their own data centers to use hybrid strategies. Most companies still have on-premises centers, with only 17 percent of enterprises relying solely on the cloud. Banks, hospitals, and other sectors with demanding security needs are still investing in their on-site data center infrastructures today. Cloud bursting lets such businesses carry dated or non-sensitive data into the public cloud to decrease the operating costs of their private centers.

There are as many hybrid infrastructures as there are business models. Disaster recovery is one of the cloud's most important services, but again, recovery solutions are numerous and ranging.

5. Hybrid Security Can Be as Secure as Private Centers

Sixty-five percent of security officers think the cloud is less secure than private data centers, but with a solid set of security policies and procedures, hybrid cloud can be just as secure. This is heavily dependent on who carries out an enterprise's data center virtualization.

Given how flexible hybrid clouds are, any drawbacks can be entirely negated or, at the very least, improved upon. Essentially, a hybrid infrastructure is whatever the enterprise wants it to be.

Let the Compugen team help you take advantage of all a Hybrid infrastructure has to offer. Schedule a Hybrid IT Audit to learn if a Hybrid infrastructure is right for you; what elements should be in the cloud and what should remain on-prem.

SCHEDULE NOW

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