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The Reliability of Cloud Computing:
Statistics and Measures

Cloud computing has become an integral part of modern business, providing numerous benefits, including scalability, flexibility, and cost savings. However, one of the most critical aspects of cloud computing is reliability. In this infographic, we'll look closer at the statistics on cloud reliability and the measures Managed Cloud services providers take to ensure maximum uptime and minimal downtime.

Measures Managed Cloud Service Providers Take to Ensure Reliability

Redundant Systems

Multiple redundancies, including redundant servers, storage, and network devices, ensure continuous access to critical services and applications. If one system fails, the redundant systems take over, minimizing downtime.

> According to a survey by LogicMonitor, 96% of companies trust the cloud for mission-critical workloads, demonstrating the high level of trust businesses have in cloud computing.

Automatic Failover

Automatic failover mechanisms guarantee that if one system fails, another takes over without any intervention required. This results in minimal downtime and maximum uptime.

> A survey by CloudEndure found that 75% of IT professionals consider the cloud more reliable than on-premises infrastructure. This shows businesses increasingly rely on the cloud for their critical applications and services.

Scalability

Cloud infrastructure is highly scalable, allowing businesses to expand or shrink their IT resources as needed. This means businesses always have the necessary resources to meet demand without incurring significant capital expenses.

Geographically Dispersed Data Centers

Geographically dispersed data centers allow for if one data center fails, another takes over, resulting in minimal downtime.

> The same survey by CloudEndure found that 54% of IT professionals experienced no downtime in the cloud over the past year, demonstrating the high reliability of cloud infrastructure.

Advanced Disaster Recovery

Advanced disaster recovery solutions, including data replication, backup, and restoration, ensure businesses can quickly recover from disruption, resulting in minimal downtime and maximum uptime.

Sources:
LogicMonitor. (2019). Cloud Vision 2020: The Future of the Cloud. Retrieved from https://www.logicmonitor.com/wp-content/uploads/2019/09/LogicMonitor Cloud Vision 2020 Report.pdf

CloudEndure. (2017). The State of Cloud Disaster Recovery. Retrieved from https://www.cloudendure.com/wp-content/uploads/2017/09/State of Cloud Disaster Recovery.pdf

Managed Cloud Service providers take numerous measures to ensure the reliability of their infrastructure, including redundant systems, automatic failover, geographically dispersed data centers, scalability, and advanced disaster recovery. The statistics on Cloud reliability demonstrate that businesses trust the Cloud for their critical applications and services and are increasingly relying on the Cloud for their IT infrastructure. As Cloud computing continues to evolve, businesses need to stay up to date with the latest measures Cloud providers take to ensure maximum uptime and minimal downtime.

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