Maximizing Business Resilience with High Availability and Disaster Recovery for IBM i Systems

In today's digital landscape, businesses face unprecedented risks to their IT systems, from cyberattacks and ransomware to natural disasters and unforeseen hardware failures. Ensuring business continuity has become an essential part of maintaining operations.

As the reliance on data and IT infrastructure grows, so does the importance of having robust high availability (HA) and disaster recovery (DR) solutions. For businesses utilizing IBM i, advanced HA and DR solutions are available to customers enabling them to secure their operations against potential disruptions.

The Changing IT Landscape: From Luxury to Necessity

A decade ago, HA and DR solutions were often considered optional, seen as an added expense rather than an operational necessity. Today, however, the rising frequency and sophistication of cyberattacks have changed this perception. Ransomware and data breaches are no longer rare, isolated incidents—they are commonplace and pose a serious threat to businesses of all sizes. Organizations are now realizing that a proactive approach to safeguarding IT systems is a requirement.

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www.rpesolutions.com ■ **813-490-7002**
info@rpesolutions.com

For IBM i users, critical infrastructure can be protected by some of the best HA and DR solutions on the market. Without a strong data recovery strategy, data loss can lead to irreversible consequences. HA and DR solutions ensure that mission-critical data remains available and recoverable.

Why High Availability and Disaster Recovery Matter

Businesses today cannot afford the costs of unplanned downtime. The impact of losing access to critical systems can be devastating.

High availability software focuses on preventing downtime by eliminating potential points of failure in IT systems. In the event of an unforeseen issue, disaster recovery comes into play, restoring systems and applications as quickly as possible to minimize disruptions. Downtime, no matter how brief, can result in significant revenue loss, brand damage, and legal ramifications.

For companies running IBM i systems, which are central to many large-scale enterprises in industries like retail, healthcare, and government, the stakes are particularly high. Any downtime can interrupt service delivery, compromise data integrity, and even impact customer trust. HA solutions help maintain uninterrupted operations, ensuring that systems are always up and running. Should an issue arise, their DR tools provide swift, efficient recovery, keeping downtime to an absolute minimum.

When businesses require 24/7 access to their data, real-time replication is a game-changer. Today's solutions enable businesses to continue operating their primary systems while performing backups on secondary machines. This means that critical tasks, such as system backups, no longer require downtime. Instead, businesses can maintain seamless operations, reducing the risk of lost productivity and revenue.

With HA installed, businesses can have peace of mind knowing that their IBM i systems will remain functional.

The Importance of Testing and Regular Audits

While implementing HA and DR solutions is crucial, ongoing testing and maintenance are equally important. Without regular testing of role swaps and recovery processes, HA and DR systems may not perform as expected in an actual emergency. Organizations must fine tune their systems, safeguarding they are fully prepared in the event of a disaster.

An annual or semi-annual test is extremely important because the early tests are more than likely going to encounter issues. But by doing so, organizations learn from it and can fix the problem. This process of testing, learning, and improving is vital to maintaining the integrity of HA and DR systems.

Additionally, the regulatory landscape has evolved, with auditors now scrutinizing the HA and DR plans of companies more closely than ever before. Auditors want to see not only that a system is in place, but that it is actively maintained and tested. Companies that neglect this aspect of IT management risk operational vulnerability.

A Call to Action for Business Leaders

In a world where cyber threats and natural disasters are ever-present, businesses can no longer afford to ignore the importance of high availability and disaster recovery. Companies must ensure operations remain resilient and secure.

However, implementing HA and DR solutions is not just an IT responsibility—it is a business decision. Executives must take an active role in evaluating the risks, planning for contingencies, and ensuring their IT systems are fully protected. By partnering with trusted providers, businesses can safeguard their future and ensure that they are ready to face the challenges of an increasingly interconnected and vulnerable world.