Double-Take Availability for Actian PSQL

Is downtime acceptable for your *Sabre Airline Solutions* environment?

Do you have a Disaster Recovery (DR) Plan for your SOC?

Could you deal with a loss of 2+ hours of flight plans and crew data?

Are you currently protected against disasters such as hardware failure, virus attacks, fire, flood, weather, disgruntled employees, or worse?

Any DR plan or backup system should be tested to allow recovery from any of these possible disasters, as well as those that we haven't thought of yet. Many companies utilize file-based backups of their Actian PSQL database every 2 hours, but this is only one level of protection. If a failure occurred, your systems may be unavailable while new servers are procured, installed, and loaded up with the application and data. In the airline industry, this downtime is simply unacceptable -- you'll likely be out of business by then!

Goldstar Software has a solution for your DR needs!

All backup & DR plans should be constructed in layers, with each layer protecting data from a different type of loss. One of these layers should be *Double-Take Availability for Windows*, by Vision Solutions. Double-Take provides affordable data protection and fault tolerance, and it enables immediate recovery from any system outage at the push of a button. Continuous data replication over any distance means that you always have access to a *current* copy of your data, applications and operating system (not from 2 hours ago). This is imperative for data centers that might be threatened by natural disasters like hurricanes or earthquakes, as you can have a copy of your data safely located in a backup data center, hundreds of miles away.

Double-Take Availability monitors changes to all protected files, including all of your Actian PSQL database files, executable files and (optionally) the Sabre message queues. Because Double-Take replicates only the bytes that change, it can efficiently update data on the target server, either locally or at your disaster recovery site, over standard IP networks. You can choose between application-level or full-server failover to configure an alternate system to take over for the production server in the event of an outage.

Goldstar Software has been working with Double-Take for many years now. We bring in the right amount of expertise in Windows, Double-Take, PSQL, and the Sabre applications to help you get your environment protected to whatever degree your business needs dictate — all with the least amount of headaches and hassles.

GOLDSTAR SOFTWARE
www.GoldstarSoftware.com

Double-Take® AVAILABILITY™

No Downtime Requirements

You can continue to fly knowing that the Double-Take protection layer comes with ZERO down time needed for the installation, configuration, or implementation of the replication. It processes and replicates open database files without taking them offline, applications remain online, and users stay productive.

Data Validity and Failover Testing

Whether you are running physical or virtual machines, local or in the cloud, Double-Take Availability uses its patented replication technology to ensure the integrity of your data with write-order consistency — critical in the case of transactional databases like Actian PSQL — and your database remains crash consistent at all times.

Need proof that it works? Let us help you use the Target Data Verification feature to test your PSQL applications against the replicated data — all without the need to stop tracking changes on the source server or re-mirror the data set. At the end of the test, changes to the replicated data are reverted using a snapshot performed at the beginning of the test and data changes from the replication queue are resumed, for a quick return to full protection.

Replication Management, Simplified

The unified Double-Take Management Console allows you to manage all of your replication environments from a single administrative workstation. Need different jobs for your different databases and data sets? No problem! The console provides the ability to sort, filter and monitor the health of your protected servers, the status of all of your jobs, and event logs on one screen, reducing the amount of administrative overhead.

Double-Take Availability can provide proactive notifications via Email that can be configured with different recipients for each server, each with its own event notification level. And, if you want to automate processes, you can leverage a comprehensive SDK, too!

Worried About WAN Bandwidth?

Double-Take supports multiple compression levels to save your WAN bandwidth. You also have the power to throttle network usage during those times most appropriate for your business. Limit network use of Double-Take Availability during IROPS or peak "push" periods and increase or remove these limits during non-peak times for efficient replication with the least amount of impact on production resources. You can even use the Throughput Diagnostics Utility to simulate the amount of replication traffic generated by data changes in your environment and estimate the bandwidth you'll need to go live — all before committing any WAN link usage.

Need High Availability As Well?

Choose between application, virtual machine-level or full-server failover to configure an alternate system to take over for your production server in the event of an outage. Double-Take Availability provides full server protection and failover, providing hardware independent system state protection with monitoring and failover for critical systems. For vSphere and Hyper-V machines, replicating entire VMs ensures that you can recover quickly with one-click failover and restore.

Protection from Encryption Malware

Encryption malware is the latest threat to data for both large and small organizations. Double-Take can automatically take periodic snapshots of your data on the target server to provide multiple recovery points, saving you from having to pay that ransom.

Affordable Protection

Double-Take capitalizes on your current investments because it works on existing hardware, storage and WAN infrastructure components. It can seamlessly integrate to any configuration of physical or virtual servers, allowing for a virtualized source, target, or both. This makes it a great solution for even small sites with limited IT management — you can often use old servers for your backup targets. And since you have the option of replicating only key applications and data instead of entire physical or virtual machines, you can take full advantage of your existing network bandwidth. Your system remains PCI- and HIPAA-compliant through your own VPN encryption or through the built-in encryption.

System Requirements

Windows requirements:
• Windows Server 2008 R1 and R1
• Windows Server 2012 R1 and R2
• Windows Server 2016
Linux requirements:
• Distributions: RHEL, CentOS, Oracle Enterprise 5, 6, and 7, SLES 11 and 12, or Ubuntu 12.04 and 14.04
• File Systems: EXT2-4, XFS, Btrfs

Go with the Pros!

Don't buy Double-Take from just anyone! When you buy from Goldstar Software, we include remote training and configuration time, ensuring that you get up and running quickly and easily, and that Double-Take is properly configured for your **Sabre PSQL** databases!

For more information or pricing, contact us at:
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