Hewlett Packard Enterprise

Make your business 'Nonstop'

Shadowbase Solutions for HPE Nonstop and Other Server Software

Be ready when bad things happen
Life is full of unavoidable—and unexpected—events that can take your IT services offline. And the consequences to your business can be dire. Be prepared for serious IT outages with the Shadowbase Solutions for HPE Nonstop Software Suite.

Continuous availability of services, data validation, and integration in one solution

As the CEO or CIO of your enterprise, you are responsible for delivering continuous business services as well as maintaining audit compliance. The speed of today's processing systems has moved classical data integration into the realm of real-time. Business transactions and events need to be propagated across your enterprise as they occur, driving action, enabling new business services, and giving you a competitive advantage.

When changes are made to your IT environment—whether they affect hardware, software, data, networks, or operating procedures—there must be a process in place to maintain user access to business services. That process makes **"zero downtime migrations" (ZDM)** a key requirement for mission critical services.

Of course, **audit compliance** has become an increasingly important part of most businesses as well. Failure to meet compliance requirements can result in heavy fines, or even suspension of operations. Fraudulent activity can result in significant costs if left unchecked. It is imperative that you know what data is being changed, when, how, and by whom.

To satisfy these various requirements, Shadowbase software offers flexible solutions that provide **continuous availability of application services** and data without downtime, lost transactions, revenue, or customers.

Today, HPE offers Shadowbase Solutions for HPE Nonstop and Other Server Software which comprise several products addressing data replication and integration, ZDM, and other utilities to deliver a true 24x7 "Nonstop" enterprise.

Business Continuity & Disaster Recovery

Shadowbase Data Replication for HPE Nonstop Software enables rapid recovery from *unplanned outages* in times ranging from minutes (high availability, disaster recovery) to immediate (continuous availability, disaster tolerance), with data loss measured in sub-seconds, and resilient architectures that can last centuries. Shadowbase Data Replication software supports active/passive, sizzling-hot-takeover (SZT), and fully active/active business continuity architectures, between like-to-like and dissimilar platforms and databases.

Shadowbase Solutions for HPE Nonstop and Other Server Software

Shadowbase Data and Application Integration Software allows you to eliminate data and application silos by providing low-latency, real-time data replication and distribution between heterogeneous systems, databases, and applications. Changes made in any database are quickly and easily integrated in real-time to target data environments, keeping all environments synchronized. Critical data generated by one application is distributed to other applications, where it can be analyzed and acted upon immediately.

Shadowbase ZDM Software provides the means to achieve zero downtime migrations and **eliminate planned and unplanned downtime**. The software keeps backup systems current with data updates performed by production systems so that backup systems can quickly be brought online when performing routine system maintenance, allowing business services to continuously run while maintenance is being performed.

Shadowbase Essentials Bundle Software manages data replication and synchronization across heterogeneous platforms. For example, using the Shadowbase Undo utility, users can follow the "Undo Queue" in reverse time order to the initial point of corruption and reverse any corrupting changes. This function can be accomplished while the application continues processing, avoiding the need for an application outage while the database is restored.

Shadowbase Data Validation Software proves to key stakeholders and auditors that the target database matches the source database. Shadowbase Compare and Compare Plus Software supports HPE Nonstop and Other Server environments. It compares both databases to find mismatches, and when found, a *repair* function is available to quickly correct them.

Shadowbase solutions are available for multiple platforms, including HPE Nonstop systems, HP-UX, Microsoft® Windows®, Red Hat Linux distributions, Oracle Sun Solaris, and more, and support the most popular databases, including HPE Enscribe and HPE Nonstop SQL, IBM Db2®, Microsoft SQL Server, MySQL, Oracle, PostgreSQL, SAP® HANA, SAP Sybase, and others.

No matter what your availability challenges are, there is a Shadowbase solution available to meet them, helping to ensure your business is not the one hitting the headlines for all the wrong reasons.

High-performance, real-time operations, and zero downtime

Shadowbase software is a real-time data replication and integration solution that delivers the performance and reliability you need to manage your complex IT landscape. Shadowbase software was originally architected and built for HPE Nonstop, which offers high availability, massive linear scalability, and the ability to keep pace with growth and complexity.

Delivering both performance and reliability, Shadowbase software achieves very low latencies under extreme workload volumes. With its modular architecture, it provides solutions to a wide range of customer challenges like continuous availability, including active/active asynchronous and synchronous (zero data loss, available in a future release) deployments, instant data distribution, and zero downtime migrations and upgrades.

Shadowbase solutions are successful in the most demanding industries, such as communications, finance, healthcare, and manufacturing for mission critical use cases.

Find out how the Shadowbase Solutions for HPE Nonstop and Other Server Software Suite can help you prepare for all your mission critical requirements.

Learn more at
hpe.com/info/Nonstop-continuity

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