



HP and Gravic, Inc.

Shadowbase

## The evolution of real-time business intelligence

### Event-driven business intelligence

The customer's decisions should be based on the most current data available to improve customer relationships, increase revenue and maximize operational efficiencies. With real-time business intelligence (BI), the enterprise can establish long-term strategies to optimize its operations and at the same time intelligently react to events as they occur.

### Shadowbase provides real-time BI

Shadowbase provides the replication and online copying facilities for real-time business information systems and the infrastructure to implement extreme-availability architectures. These facilities include a real-time data replication engine that provides high-speed data replication among a variety of databases and platforms, and SOLV, the Shadowbase online loading, verification and validation utility. Many of Shadowbase's global installations are active/active, geographically distributed systems that achieve availabilities in excess of six nine's on average (less than 30 seconds per year of downtime). Running a real-time business intelligence (RTBI) system as active/active requires that Shadowbase replicate database changes between two geographically separated RTBI systems. If one system fails, then the other system is immediately ready for the real-time business information services.

### Solution benefits

- Uni-directional disaster recovery data replication including "sizzling-hot-takeover"
- Bi-directional business continuity data replication including active/active architectures
- Operational system synchronization with data warehouse and uni-directional or bi-directional RTBI systems



- Zero downtime migrations eliminate planned downtime for migrations, upgrades and conversions
- Any supported platform and any supported database may serve as a source or target system

### Working together with HP

BI solutions enable you to tap into the vast pools of information residing across your enterprise. To achieve this goal, today's BI solutions provide sophisticated software—driven by high-performance hardware—that can integrate, analyze and report on diverse data to enable more timely and informed business decisions. Working with HP, you can implement scalable, available and cost-effective BI solutions that deliver flexibility and performance to provide the intelligence you need, when you need it, and increase the value of your information assets.



## Shadowbase replication

As a company's strategies are increasingly demand-driven, data warehouses and downstream BI are playing an ever more important role. The most successful company is the one that can predict and react faster to market trends and opportunities. Measurable business value is derived from centralizing, standardizing and simplifying data. From a centralized data repository, the enterprise data warehouse (EDW) or an operational data store (ODS), data is readily available to decision-makers across the enterprise, providing an integrated, single view of the business. It allows for top-down and bottom-up navigation across all performance management applications that are built on a uniform data model. Today's enterprise business intelligence environments require real-time data updates from legacy systems integrated with active data warehouse systems. To keep the active data warehouse current, updates stream into it from the Shadowbase software. Shadowbase real-time integration solutions load the business intelligence environment without impacting the operational systems that provide the data.

### HP products supported

Our solutions are supported on HP Integrity NonStop servers. HP NonStop technology has always been the best at what it does: running the most critical business applications while maintaining the most stringent service levels for organizations that require the highest levels of availability and scalability, with standards-based components for cost-savings and investment protection. The processing power in HP Integrity NonStop server is provided by state-of-the-art Intel® Itanium® processors. Each processor is considered a separate node, making it possible to configure an HP NonStop server so that up to 50 percent of the nodes can fail without a single virtualized service failing.

### Operating systems supported

To provide always-on availability in our round-the-clock marketplace, our applications are optimized for HP Integrity NonStop servers, the gold standard for business continuity. Known for running the world's most demanding enterprise applications, HP NonStop system software complements the open, parallel architecture of HP NonStop servers, providing highly reliable, scalable computing within an open systems environment.

### Building on the value of strong relationships

By working collaboratively with HP, we can leverage the necessary resources, experience and knowledge to deliver tailor-made solutions that drive better business value. For more than 50 years, HP has thrived on innovation, holding a proven track record of success in virtually every market, customer segment and region worldwide. Together, we use innovative technology and services to design solutions that meet today's business challenges, while helping you prepare for tomorrow's.

For 30 years, Gravic, Inc. has been a leader in providing database replication solutions. Gravic pushes the technological evolution with its patented flagship Shadowbase line of replication solutions. Gravic's extensive patent portfolio, Breaking the Availability Barrier book series, and comprehensive published whitepapers and articles reinforce the expertise of Gravic's staff and technology.

### Working together to drive success

By combining standards-based and modular technologies with our leading-edge applications and comprehensive services portfolio, you gain a powerful, flexible solution that meets your business needs today and dynamically adapts as those needs change. We provide an agile foundation for building a highly responsive enterprise that drives better business outcomes and promotes your long-term success.

## Technology for better business outcomes

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