



"Priceline.com wanted a replication tool that would give us a very lightweight form of replication and would also keep both machines completely independent. And, we didn't want to use a lot of manpower to run it. We found it in SharePlex."

— Ron Rose
CIO
Priceline.com

- **Compare and Repair** – Automates the out-of-sync resolution process between the source and target databases
- **Flexible** – Delivers high performance replication between Oracle versions (8i, 9i, 10g)
- **Instant Activation** – Allows customers to instantiate replication of a live system without affecting application or database availability
- **QuickConfig** – Enables simple, rapid configuration of SharePlex to support highly complex replication scenarios that solve a wide range of critical challenges

SharePlex®

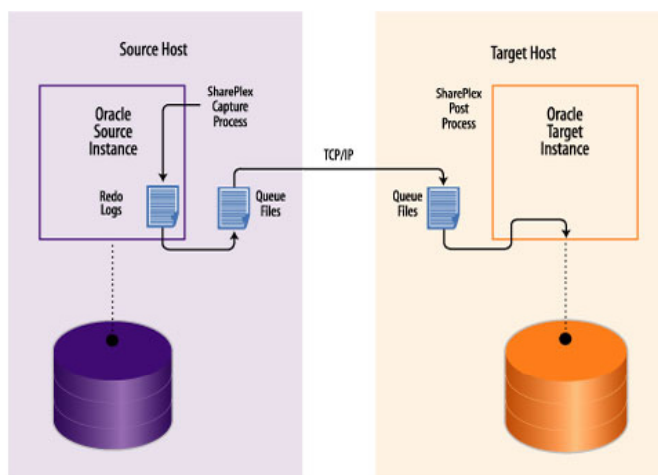
for Oracle

The Complete Replication Solution

Effectively managing today's complex IT environments requires a reliable and complete method for ensuring that data is accessible and accurate — without negatively impacting system performance. IT professionals are challenged every day with optimizing the operating environment of online transaction processing (OLTP) systems and satisfying users' information demands without impacting performance. Companies depend on data to create competitive advantage, increase productivity, and enable users to make faster and more informed decisions. However, the massive volume of data and complexity of the IT infrastructure through which it flows creates a myriad of opportunities for data inconsistency and reduced availability. If performance of a critical application suffers or crucial data becomes unavailable, an entire business can be placed in jeopardy. You need a reliable and complete method for ensuring that data is accessible and accurate — without negatively impacting system performance.

SharePlex® for Oracle creates and maintains a fault-tolerant replica of your Oracle database — even at the table level, for business intelligence. By having an open, available copy of your data, you can ensure high availability and disaster recovery, eliminate risks associated with migrations, improve performance of OLTP systems and optimize business intelligence applications. And unlike competitive replication solutions, SharePlex employs a streaming process outside the database, minimizing the impact on database performance and network capacity. SharePlex provides:

- The world's most proven and sophisticated high-performance data availability solution with more than 600 customers
- Low latency between source and target databases with non-invasive, high-speed and efficient data replication
- Database replication across multiple operating environments and different versions of Oracle
- Reduced downtime, minimal risk and lower costs associated with both Oracle and hardware migrations



SharePlex Architecture:
High-speed, log-based Oracle data
replication

System Requirements

Unix

- SQL*Plus
- Per-process memory greater than or equal to 256 MB
- A recommended hard limit system file descriptors setting of a minimum of 1024 or higher, or as close to that as system resources permit
- See the UNIX pre-installation checklist for additional system requirements

Linux

- Minimum 1 GB of RAM
- System swap space equal to or greater than twice the amount of RAM
- 400 MB of space in the /tmp directory
- Pentium II processor 233 MHz, minimum

Windows

- Minimum 300 MB of RAM
- Additional 200 MB of page file size if the current size is 80% or more used
- Oracle 8.1.7.x client
- MS Terminal Server or PC Anywhere for providing technical support through remote login

See the Windows pre-installation checklist for additional system and database requirements.



www.quest.com
e-mail: info@quest.com
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Log-Based Replication

Log-based replication enables SharePlex to capture every modification to selected objects immediately; as soon as it is written to the Oracle log, even before the transaction is committed. However, speed is not at the expense of accuracy. Instead, SharePlex completely complies with the Read Consistency Model, so that target instances are accurate representations of the source database.

Instant Activation

SharePlex allows you to instantiate replication of a live system without affecting application or database availability. With instant activation, you can activate thousands of tables in mere seconds, while keeping your OLTP systems available and generating revenue.

Low Network Impact

SharePlex does not use the Oracle database engine to capture and propagate changes. It intelligently reads the Oracle logs and determines what data needs to be sent to target systems. SharePlex replicates only the changes, so it minimizes its network bandwidth needs. By sending a small, steady stream of data to the target systems, SharePlex is able to replicate volumes of changes without spikes in network performance.

Sophisticated Yet Easy-to-Use Replication Support

SharePlex is interoperable with earlier versions of itself. For example, SharePlex 5.2 can receive and process messages from an earlier version of SharePlex. This interoperability will continue and allow target systems to be upgraded without downtime on the source. SharePlex offers secure connections between the source and target through the use of Secure Shell or SSH-2.

About Quest Software, Inc.

Quest Software, Inc. delivers innovative products that help organizations get more performance and productivity from their applications, databases and Windows infrastructure. Through a deep expertise in IT operations and a continued focus on what works best, Quest helps more than 18,000 customers worldwide meet higher expectations for enterprise IT. Quest Software can be found in offices around the globe and at www.quest.com.



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