

Disaster Recovery Toolset™

Advanced Data Corruption Detection, Recovery and Repair for Sybase ASE

Introduction

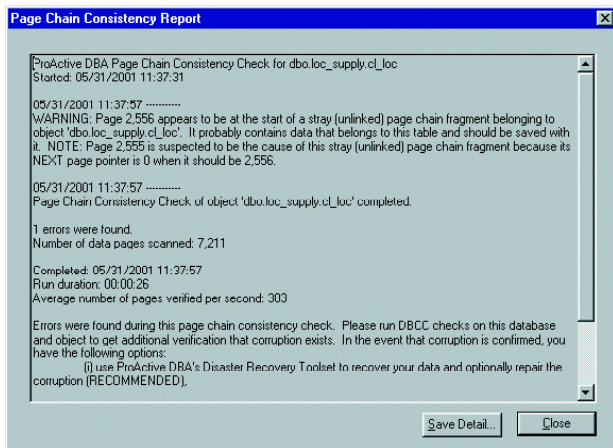
ProActive DBA Disaster Recovery Toolset from White Sands Technology, Inc. gives DBAs the information and tools they need to maintain peak availability and integrity of their databases, and enables recovery and repair of the database should corruption occur in a live production environment.

The Disaster Recovery Toolset works as part of the ProActive DBA framework. It can be used as a stand-alone product, and it can also work in conjunction with ProActive DBA Visual Space Manager so you can use both within a single, integrated framework.

Improved Consistency Checking

DBCCs are a good start for detecting database corruption, but they don't always tell the whole story.

Our Page Chain Consistency Checker goes beyond DBCCs to identify problems such as missing (unlinked) page chains or page chain fragments in your database. Since our verification does not use DBCCs, it can work around forms of corruption that halt DBCC in its tracks.

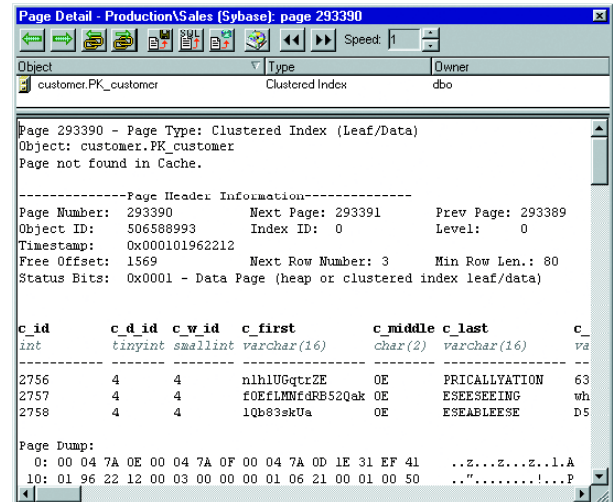


Page Chain Consistency Checker goes beyond DBCCs to explain in plain English where corruption problems exist in your database.

The Page Chain Consistency Checker produces a concise, easy-to-understand report detailing exactly where the problem(s) are; and unlike DBCC, there are no "informational" messages to sift through—if something appears in the report, it's a problem you need to know about!

Using the integrated Job Scheduler, you can set up automatic database analysis to verify database integrity, and view the results using our handy GUI event log window.

All verification is done via a lightweight server-side Agent rather than through the database server, without incurring any locks, and with **no downtime** to the database or tables.

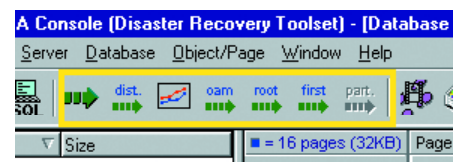


The Page Detail window shows you full detail on a page, including a fully-parsed row dump.

Detailed Corruption Diagnostics

Our Page Detail Window allows you to view detailed information on any database page, including a translated row dump of the page, so you can investigate pages and rows affected by corruption. Unlike cryptic DBCC PAGE output, we show you the page header and data row and column contents in human-readable format.

And, our GUI-based navigation tools make it simple to walk page chains and index structures to determine the extent of corruption on a table or index.



Navigation tools let you quickly and easily locate and investigate data corruption.

Advanced Recovery Tools

Often, when data corruption occurs, the database server may not be able to access all or part of the corrupt table(s), or it may produce a stack trace in the server's error log when trying to access the corrupt areas.

Additionally, the error message reported by the server may not indicate the true location of the corruption.

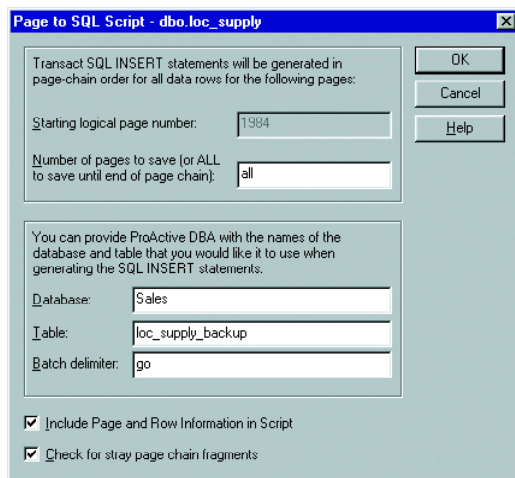
The Disaster Recovery Toolset solves these problems by bypassing the server, reading directly from the data devices or files, so it can recover your data even when the server itself cannot!

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These data recovery facilities can be a real life-saver in situations where it is not feasible to bring the entire database down to reload a backup or the backup itself is corrupt.

Flexible “search-and-rescue” export tools let you build an ISQL script consisting of one INSERT statement for every row in a corrupt table (even including pages inaccessible to the database server), so you can re-import the rows later if necessary. Or you can save the raw data pages, for repair or reloading.



Sophisticated recovery tools let you save all the rows from a corrupt table, even when the database server can't access it!

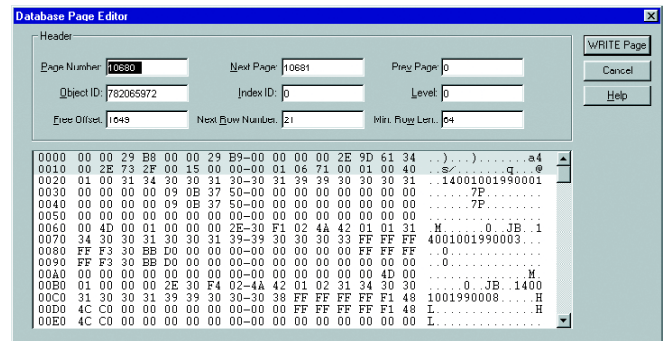
On-Line Database Repair

If you're faced with data corruption in a live production environment, minimizing downtime is of paramount importance. The Disaster Recovery Toolset meets this need head-on by providing on-line diagnosis and repair of database pages.

Using the convenient GUI window in our Database Page Editor, you can edit and repair damaged pages on-line, so you minimize downtime and loss of data!

Obviously, this is a powerful capability, so a security key diskette is required to access the page modification facilities. The software takes every precaution to ensure that corruption will be repaired properly, and a backup of every changed database page is saved locally so you can revert to the page's original contents if necessary.

In short, the Database Page Editor can be a lifesaver in cases where using DBCC to repair the database or restoring from a backup would cause significant loss of data.



Our unique Database Page Editor lets you repair corrupt database pages on-line, minimizing downtime and loss of data!

Purchase Justifications

- Improve Database Reliability
- Increase Database Uptime
- Prevent Loss of Critical Data

Major Product Features

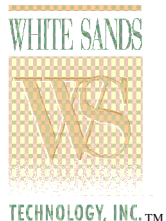
- Page Chain Consistency Checker
- Page Chain Export/Recovery Tools
- Page Detail Viewing/Navigation
- Database Page Editor
- Integration with other ProActive DBA Products (SQL Query Analyzer, Diagnostic Monitor, Visual Space Manager) in a single framework

System Requirements

- Windows XP/2000/NT 4.0 or Windows 95/98/Me
- Pentium 200 or faster CPU recommended
- 128MB or more RAM
- 100MB or more available disk space
- 800x600 or better display
- Sybase and/or Microsoft client software installed
- Microsoft TCP/IP installed

Database Versions Supported

- Sybase ASE 11.x - 12.5.x and higher
- Microsoft SQL Server 6.x



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