

PACLOG for DB2



Benefits

- > Provides significant savings of DASD and tape
- > Improves availability of log data on DASD
- > Effectively eliminates logging for selected objects
- > Supports up to four archive log copies
- > Supports media mix for archive log copies
- > Includes an online modeling tool
- > Provides archive log management reports

Features

- > Analyzes current DB2 logging environment so you can evaluate alternative logging choices
- > Provides modeling tool that can calculate optimum size and number of active logs
- > Generates archive logs reports on logs no longer usable by DB2

YOUR BUSINESS CHALLENGE

Large DB2 archive logs require many tapes, making it difficult to access data for recovery. Mounting multiple tapes during a recovery is time-consuming and costly. Many logs contain records that are not needed for recovery, such as index-related log records and log data for user-specified objects. If you are going to assure that your data is recoverable at all times and manage costs, you must have answers to these questions:

- > How can you filter and compress logs, ensuring that storage limitations do not affect recovery?
- > How can you reduce storage costs and manage recovery resources to facilitate rapid recoveries?

BMC SOFTWARE ANSWERS THE CHALLENGE

The PACLOG product from BMC Software gives you substantial archive log media savings so that more archive log data can be stored on DASD, making the data more accessible for recovery. In addition, this eliminates:

- > Multiple tape mounts
- > Operator interaction
- > Rewinding tape

PACLOG uses a patented filtering process and Extended Compression Architecture[®] (XCA[®]) to achieve up to 95% reduction in the size of DB2 archive logs and offers improved filtering rates. A new filtering option feature allows a listing of index spaces that needs to be kept. This new feature allows index recovery.

To reduce the amount of tapes stored for archive logs, PACLOG allows you to stack multiple archive log data sets to a single tape. And logs processed by PACLOG can reduce network transmission times in support of disaster recovery.

Included with the product is a modeling tool that helps you determine the optimum number and size of active logs for your system if you add PACLOG to your tool set.

FILTERING AND DATA COMPRESSION

With PACLOG, you have a choice of filtering options that allow you to effectively eliminate archive log records not needed for recovery.

These might include index-related log records and log data for user-specified objects. This patented process is an exclusive feature found only in PACLOG.

When filtering is combined with BMC Software’s Extended Compression Architecture (XCA) technology, significant reduction in the size of the archive log can be achieved – up to 95%.

Table 1 DASD Savings Using PACLOG
Goal: 24 Hours of Log Data on DASD

	Currently	Without PACLOG	With PACLOG(1)
Archive Media	Tape	DASD	DASD
Hours of log on DASD	3	24	24
Number of active logs	29	3	3
Size of active log data sets	307	120	120
Active and archive cylinders required	17,806	32,870	5,543
1. Based on an 85% compression rate on the archive logs.			

MULTIPLE ARCHIVE LOG COPIES

Presently you may be taking Archive 2 to a recovery site, leaving you vulnerable at the local site, with only a single point of failure there. PACLOG eliminates this problem by allowing you to make up to four copies of the original archive logs; two for local site use and two for recovery site use.

In addition, you have the option of specifying filtering and compression options separately for each copy. And all copies are automatically cataloged.

FLEXIBLE MEDIA STORAGE

You can archive copies to tape or DASD. The media for each archive log copy can be specified separately and copies can be stacked to tape. This flexibility allows you to keep a variety of archive log data sets on multiple media devices.

MODELING TOOL

The PACLOG product’s modeling tool is an interactive spreadsheet that analyzes your current DB2 logging environment so you can evaluate alternative logging choices. For example, you can evaluate your access to log data by determining how many hours you want your log to be available on DASD and how long your log data is recorded in your bootstrap data set (BSDS).

About BMC Software

BMC Software, Inc. [NYSE:BMC], is a leading provider of enterprise management solutions that empower companies to manage their IT infrastructure from a business perspective. Delivering Business Service Management, BMC Software solutions span enterprise systems, applications, databases, and service management. Founded in 1980, BMC Software has offices worldwide and fiscal 2003 revenues of more than \$1.3 billion. For more information about BMC Software, visit www.bmc.com.

The modeling tool can also calculate the optimum size and number of active logs.

LOG MANAGEMENT REPORTS

PACLOG reports on archive logs that are no longer usable by DB2 and logs that have been processed. This allows easier management of these data sets, saving valuable DASD and tape storage.

ADDITIONAL FUNCTIONS

PACLOG:

- > Dynamically allocates input and output archive log data sets
- > Provides syntax defaults that specify DASD media with maximum filtering and compression
- > Can simulate potential media savings to be achieved without taking action against the original data set

WORLD CLASS SUPPORT

At BMC Software, we want our customers to succeed. We realize that our Recovery Management products are an integral part of your business-critical environment. That is why we provide comprehensive, best-of-breed customer support services 24 hours a day, 7 days a week. Whether you have a basic question or a complex product issue, our support services and expert technical analysts are available to effectively address your needs.

Helping You Maintain Advantage

BMC Software Professional Services helps your company maintain its competitive advantage through a comprehensive suite of services that includes service level management consulting, installation, implementation, configuration, and customization. Our professional services and education offerings are designed to ensure the ongoing availability of critical business applications, maximize product potential, reduce project risk, deliver IT value to your business, and improve your operations. For more information about BMC Software Professional Services, visit <http://www.bmc.com/profserv>.



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