BMC Database Restructure for IMS
Implement database structure changes with minimal outages

Key benefits
» Prevents lengthy online outages for conversion and restructuring changes
» Makes structure changes and keeps critical databases online during the process
» Implements hardware data compression (HDC) and makes other compression changes
» Supports conversion of internal and external logically related databases
» Enables testing of database and DBRC changes without moving them into production
» Makes JCL generation and job management easy

Business Challenge
As business needs change, you may need to change the structure of your IMS™ databases. Traditional methods for implementing structure changes require lengthy outages. How can you respond to changing needs and still provide the availability that users demand?

The BMC Solution
BMC Database Restructure for IMS implements database conversions and structure changes while keeping IMS applications online and available, thus reducing outages from hours to seconds.

For example, converting a full-function database to IBM® High Availability Large Database (HALDB) or BMC Partitioned Database Facility for IMS typically requires that the database be offline and unavailable for the duration of the conversion process. BMC Database Restructure for IMS significantly reduces the outage required for that conversion. It captures online database updates to the original database and applies those updates to the converted database. Using its online Data Collection Facility, BMC Database Restructure for IMS creates shadow copies for use with the conversion or restructuring process while accumulating online updates to the database. It then applies all the updates to the converted or restructured databases.

BMC Database Restructure for IMS makes the new database available with a minimal outage — just long enough to rename data sets and put the new databases back into service, which typically takes seconds.

More than Conversions
Compression is another type of change you can implement with BMC Database Restructure for IMS. When databases near their size limits, you can use BMC Database Restructure for IMS to implement hardware data compression (HDC). You can also use it to remove segment compression, change from a different compression method to HDC, and re-evaluate the HDC dictionary for existing compression exits. Tuning changes are also supported.

Automatic Recognition of Logically Related Databases
Converting or restructuring logically related databases is simple. Both internal (recursive) and external logically related databases are automatically recognized and included during the database conversion or restructuring process.

Features
» Supports conversions for IMS full function databases
» Adds or deletes data set groups
» Adds and deletes indexes — as long as no updates were made to a deleted index during the structure change
» Adds new segments when the existing segment parentage is not altered
» Restructures segment data to meet application needs
» Adds new search fields and moves existing search/key fields within the segment
» Changes from VSAM to OSAM or OSAM to VSAM
» Implements HDC and makes other compression changes
» Aids in the implementation of tuning changes
» Allows the changes to be tested without affecting database availability
» Ensures the outage window is kept to a minimum
» Supports DBRC database groups and change accumulation groups
» Creates temporary RECON data sets needed for the conversion or restructuring process

For more information
To learn more, please visit www.bmc.com/ims.