Session Abstract

E11   Application Design and Programming with HALDB
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IMS Version 7 adds High Availability Large Database (HALDB) capabilities. HALDB supports very large databases. By splitting a database into multiple partitions, HALDB allows it to contain up to 40 terabytes! In spite of this, an application program continues to see one database. That is, the database is addressed by one PCB. In general, application programs do not have to be modified when a database is migrated to HALDB. On the other hand, there are cases where application programs must be changed. Also, an installation may want to take advantage of some capabilities which may require application changes. This session describes changes that you may need to make or want to make when a database is migrated to HALDB. Considerations for processing partitions in parallel, processing secondary indexes as databases, initially loading HALDB databases, handling unavailable partitions, and converting from user partitioning are explained.

Before attending this session, you should understand basic HALDB concepts, which can be obtained by attending session E04, Introduction to HALDB, or by prior training or experience.