



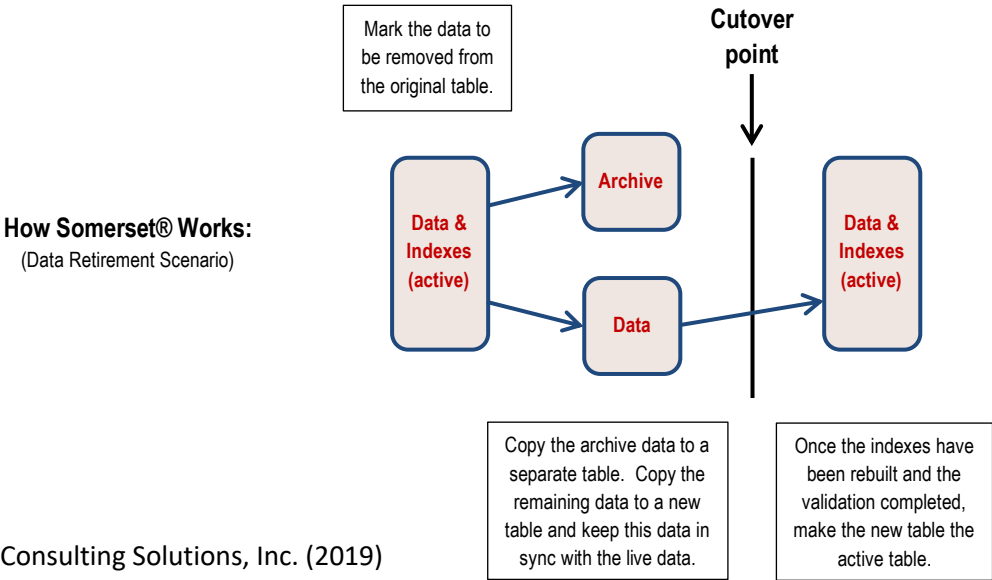
Somerset® is Avalon Consulting Solutions, Inc.'s Data Retirement, Rapid Insertion, and Table Reorganization Tool

Avalon has developed a solution to rebuild tables and to quickly delete or insert data into busy Oracle® databases, all with no downtime. Somerset® builds on existing Oracle® high availability tools such as Oracle® Partitioning and Redefinition. Some of the features of Somerset® are:

- Minimal performance degradation
- Faster than current methods and puts less load on the system
- Clean go/no-go decision and cutover point
- Compatible with large packaged applications such as Siebel and E-Business Suite
- Rebuilds tables and their associated indexes to different storage tiers
- Defragments and reclaims space within tablespaces
- Orders row data to improve application data access
- Actions performed one table at a time or as a table group
- Robust validation
- Zero application downtime

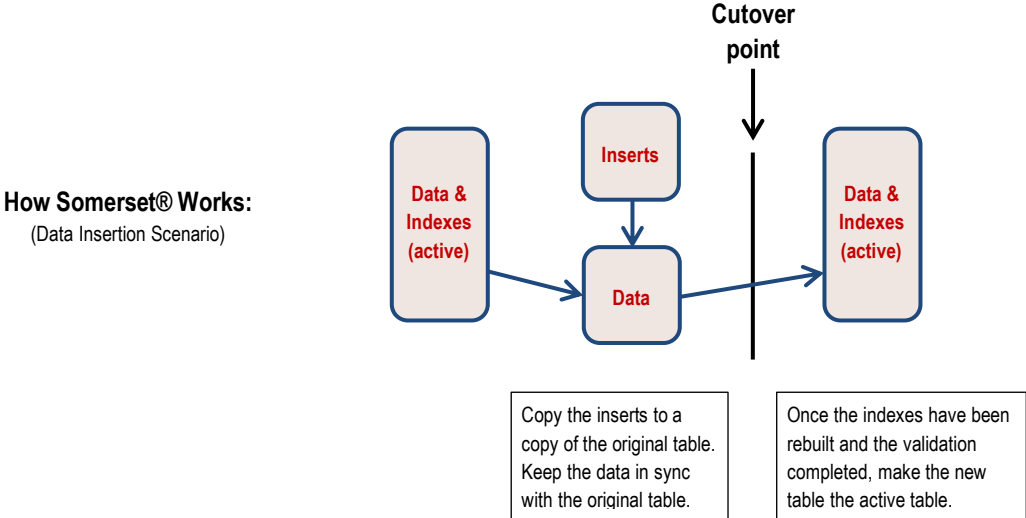
### Data Retirement

As the amount of production data increases, system performance decreases. In many cases, a subset of this data is not needed for day to day operations, but removing it is problematic (locking, increased system load, limited bulk operations, etc.). To address these difficulties, Avalon developed the Somerset® tool to quickly isolate and remove data from Oracle® databases or migrate that data to more appropriate storage without the normal downsides of delete operations. To do this, Somerset® uses standard Oracle® tools, but packaged in an application which takes care of the many coordination and validation tasks associated with data retirement.



### Rapid Insertion

Loading data into live tables can be slow and cause significant application load, especially as large numbers of rows are added to tables with many indexes. Fortunately, the same methodology that Somerset® uses for data retirement can be employed in reverse. Somerset® is able to quickly load data into a copy of the original (live) table and keep the new table synchronized until it is ready to become the live table.



### Table Reorganization

Rebuilding and/or moving existing tables in a busy Oracle® database is often extremely desirable (reclaimed space, faster table access, etc.), but can be very difficult to execute, because an outage is often required with current rebuilding methods. Furthermore, the larger the table, the greater the potential outage and in some cases the outage requirement can exceed the maintenance window. Somerset® can reorganize tables without taking them offline and with minimal performance degradation.

### Why Avalon and Somerset®?

Avalon specializes in Oracle® database performance, availability, and scalability tuning and has significant experience in the data retirement space at a number of large Oracle® clients. Over the course of tuning large application databases we have noticed that one of the main causes for slow queries is that the system has to sift through too much unnecessary data. Besides normal tuning methods such as improving index suitability, there is a systemic need to remove old data that is costing the organization a lot in terms of performance, storage, and maintainability of their systems.