SPI-TAB+™ Table Management System

How are you managing your tables?

What if there was a way to easily build and manage your application tables…while reducing your development and maintenance costs?

There *is.*

The SPITAB+ table management tool provides one simple product that will manage your tables using the same standards for all applications, eliminating the need to write programs for this process. SPI-TAB+ lets you quickly and easily update, customize and maintain your tables, *and* get your new applications on line faster, with less effort. Plus, the same tool can be used on line or in batch. With SPI-TAB+, you can easily create tables that are:

- **Controllable**
- **Centralized**
- **Secure**
- **Adaptable to your needs**

SPI-TAB+ is the ideal solution for performing your recurring data processing tasks such as test data creation, application prototyping, or other simple applications.

Why YOU Need SPI-TAB+:

Problem	SPI-TAB+ Solution
Redundancy of data and programming, such as multiple tables containing the same information, or the duplication of code used to access table elements.	**Centralized control.** Data is external to all programs and is accessed through a single standard application programming interface, giving users better control over data.
Different design and implementation techniques. Non-standardized techniques may be costly to maintain and difficult to train new staff and users.	**Consistent table creation.** SPI-TAB+ provides a single standard, documented procedure for consistent table creation.
Incorrect table updates. Since elements may be replicated, modification of a value must be done on all tables containing that data element.	**Referential Integrity.** SPI-TAB+ allows users to make logical links between tables. By making only one modification to a table, all programs accessing that table are correctly maintained.
Various security procedures make it difficult to assure that the correct access restrictions are enforced for all tables.	**Consistent security procedures.** Administrators can easily adjust the degree of security desired for each table via SPI-TAB+'s multi-level security control.
Manual table maintenance. Programmer intervention is often required for table update/maintenance, leading to an inefficient use of resources.	**Flexibility.** SPI-TAB+ provides several features that allow end users to update and maintain tables themselves, as well as perform recurring data processing tasks.

Requirements:

SPI-TAB+ requires one of the following MVS versions with either JES2 or JES3:

- OS/390
- z/OS

DB2 Version:

Requires DB2 V6 or higher

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SPI-TAB+ Features & Benefits

User Friendly.
SPI-TAB+ provides tools for easy and secure maintenance of your application tables. Its interactive procedures make it easy to use, even by non-technical personnel. SPI-TAB+ is helpful in performing recurring data processing tasks such as creation of test or live data, prototyping applications or even the development of simple applications. Once a table is created, you can then create customized documentation for the table and each of its columns.

Program and Data Independence.
Your programs are independent of the table structure and data. With SPI-TAB+, your only concern is with tables and the elements directly required by the program. As long as the table element length or column location is not changed, no program modification is required.

Confidentiality and Security.
SPI-TAB+ provides access and change security to table contents with a three-level mechanism through which the administrator can easily adjust the degree of security desired. With proper planning, specific columns may have their own unique security attributes.

Table Storage for High Performance.
SPI-TAB+ provides a memory loading feature designed to improve the performance of applications using the Product's CICS and batch programming interfaces. This feature allows you to store tables (or portions) in CICS dynamic memory (above or below the line), or in your batch applications partition. So, no matter how many times a table entry is retrieved, SPI-TAB+ will access the table on DASD only once. Updating is also fully supported in two modes. One mode immediately updates both the DASD and memory versions of the table; the other updates the DASD version only.

Simple Table Access.
Applications can retrieve table data with just one call. Many common programming functions are automatically provided by SPI-TAB+'s program interface.

Table Entries with Multiple Definitions.
A validity key allows you to define several versions of the same table entry. For example, entries can be validated by an "effective date" so you can retrieve the correct entry value for any desired time period, at any time.

Dynamic Screens.
Two update screens are automatically available for any table you define. One version allows you to update a single row at a time; the other allows you to update multiple rows at once. You can also use SPI-TAB+'s Screen Painter to design your own custom screens for viewing or updating a table.

Table Integrity and Distribution.
SPI-TAB+'s Referential Integrity feature allows you to establish relationships between tables and facilitates sharing table updates among multiple users.

Easy Installation and Maintenance.
The product is easily installed and can later be tailored to meet your needs. The installation is parameter driven, and most options can be changed after installation.

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