Host System *Software Summary*

For Britton Lee Shared Database Systems

Omnibase 4GL Smart Query

Freeform 4GL

Imbedded SQL

Interactive SQL and IDL

Omnibase 4GL

Freeform 4GL

Britton Lee Shared Database

FOCUS 4GL

PC/SQL Link

Portable Programming Library

Database Administrator Tools

FOCUS 4GL

address
telephone
city
state

PC/SQL Link

select* from tables where column =

title author etc.

abc def ghi
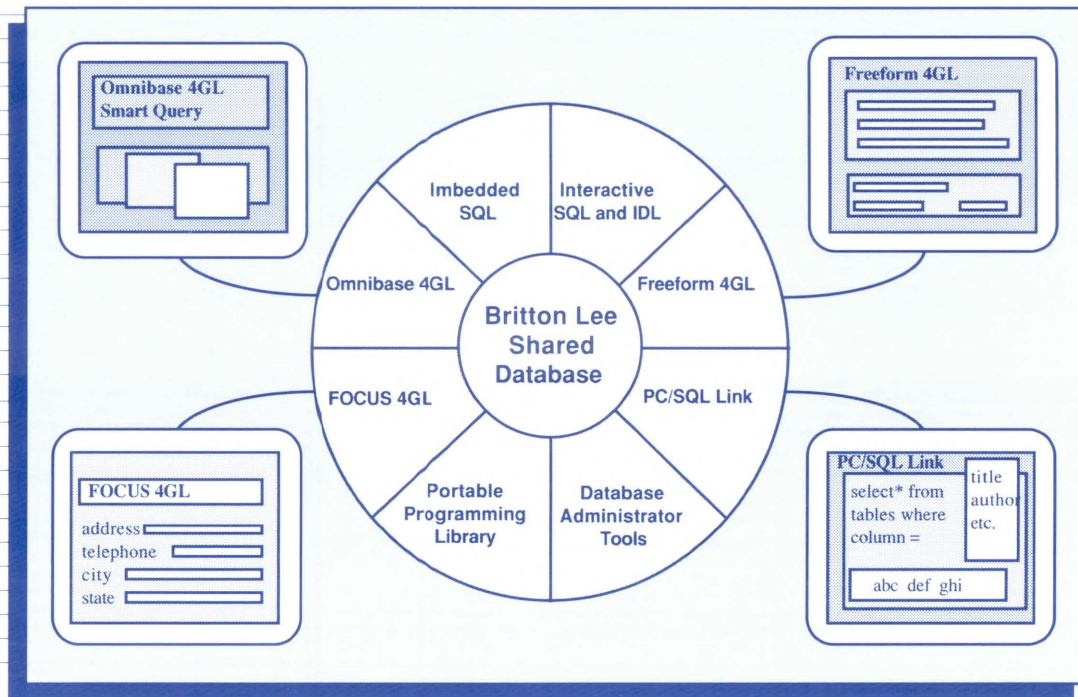
Access Tools to Britton Lee Shared Database Systems

Any database is only as good as the tools that connect the user and programmer to the data. These tools range from friendly screen-based Fourth Generation Languages (4GLs) to ad-hoc query facilities and utilities that improve the productivity of those involved in application development and database management.

Britton Lee Shared Database systems offer a wide range of user tools. These tools address the needs of the business analyst as well as the system designer and programmer. They also address the requirements for portable applications in diverse computer environments and links to familiar productivity tools in each of the shared database environments.

Britton Lee, Inc.

Britton Lee's Integrated Database Manager (IDM)

Portable Applications Programming: IDM/Application Development Facility

Powerful: Complete "C" language programming library (IDMLIB) allows "C" programmers three levels of access to the shared database system. IDMLIB is identical in all Britton Lee host environments, so applications can be truly portable.

High Productivity: Structured Query Language (SQL) or QUEL (IDL) language commands are imbeded in standard "C" for quick and easy "C" programming. A pre-processor converts these programs into IDMLIB calls and optimized database-stored query procedures. All Imbedded SQL programs use identical syntax in all Britton Lee host environments allowing pre-processed text to be compiled in any environment.

Ad-hoc Query Languages: IDM/Interactive SQL Facility

Complete Interactive Query and Update: The entire ANSI SQL language is provided as an interactive command processor/report writer. All SQL commands are availble to the terminal user in all environments. Features of the IDM/Interactive SQL Facility include:

- Scripts that may be stored and executed via the Interactive Facility
- Substitution variables which allow scripts to be used as applications
- IDL (QUEL) interactive facility with identical characteristics for the IDL langauge
- On-line help
- Ability to integrate with any host editor to edit command sessions
- "Shell escapes" in Unix, PC DOS, and VMS.
- Easy query debugger for the application programmer
- Ad-hoc query language for the analyst
- Predefined Stored Commands which extend the language utilities to include "dir", "rename", "who", etc.

Database Administrator Tools: IDM/Database Administrator Facility

Data Security and File Management: IDM/Database Administrator Facility provides all the utilities necessary for dumping and loading databases, transaction logs and files.

System Management and Configuration: Database administrators are supplied with the tools for configuring the Britton Lee database system and managing database permissions.

End User Query, Transaction and Report Generator: Freeform

Transaction Screen Builder: Freeform is a menu and key-driven 4GL for the terminal user and analyst. Freeform can extract data dictionary information from the Britton Lee database and create a default transaction screen. The developer may add validity and integrity checking to the screen as well as procedural language programs for each field. Screens may be linked directly to each other and through menus.

Ad-hoc Query/Update: The user may perform ad-hoc queries on any data tables by using default-generated forms. This makes ad-hoc query possible without knowledge of any query language.

Screen-based Report Generator: Any query screen can be linked to a report. The report may be formatted with headers, trailers and group processing. The layout of the report is done graphically on the screen.

Auto-Documentation Facility: All screens and reports are documented in automatically generated printed reports.

Omnibase from Signal Technology, Inc. does it all for VAX/VMS users and programmers

Omnibase is an SQL-based application system developed exclusively for the Digital VAX/VMS environment and Britton Lee systems. It contains end-user, technical user and 4GL programmer tools to support the complete user spectrum. It is functionally equivalent to the SMARTSTAR product from STI, which provides database access to VAX RMS and Rdb files.

This package is a complete, integrated facility tuned to the VAX/VMS environment. It includes:

- *SMARTCALL* call library for all VAX languages
- Imbedded SQL preprocessor for FORTRAN and COBOL, which conforms to DB2 standard
- Interactive SQL/report writer
- *SMARTDESIGN* screen-based application generator
- *SMARTREPORT* and *SMARTQUERY* for easy user reports and inquiry/update
- *SMARTSTATION*, which lets the application builder create a workstation environment for database access
- *SMARTMOVE* transforms applications and data between RMS, Rdb and Britton Lee Shared databases.

PC/SQL Link from Micro Decisionware: The PC user's ideal database access

PC/SQL Link provides a PC-based menu-driven SQL generator. It generates and submits queries, stores results, and converts them to common PC spreadsheets and data exchange formats. It will automaticllay create the necessary IDM tables in the database and transfer the data efficiently.

PC/SQL Link features include:

- The ability to link the most popular PC products (Lotus, dBASE, Paradox, etc.) to the Britton Lee Shared Database System—moving data to and from the PC
- An interactive interface which allows PC users to generate SQL queries by simply answering questions about their request
- Pop-down windows and color cues to assist users
- Local data dictionary to assist query generation
- Compatibility with all Britton Lee PC software
- Bulk file conversion/upload/download between Britton Lee and 24 different PC formats.

## FOCUS on Britton Lee: The popular 4GL for IBM VM/CMS systems from IBI.

FOCUS accesses Britton Lee in the same way as it does the IBM SQL/DS relational database product. The difference is *the data can be shared with non-IBM systems.* FOCUS is a complete fourth generation language for data mainipulation and reports. It works with many other IBM products to provide a familiar environment to the VM/CMS application developer.

FOCUS 4GL features include:

- Complete programming language links to IBM languages and other databases
- Table Talk screen query generator for use by VM/CMS interactive users
- Screen and printer business graphics and analysis tools
- Full report writer.

IDM Software

Machine	Operating System	Operating System Version
VAX MicroVAX	VMS	4.2
VAX	Ultrix BSD	1.2 4.2
Pyramid	OsX	3.1
3Bx	Sys. V	2.x
PC	DOS	3.1
Data General	AOS/VS	6.03
VAX	Sys V	2.x
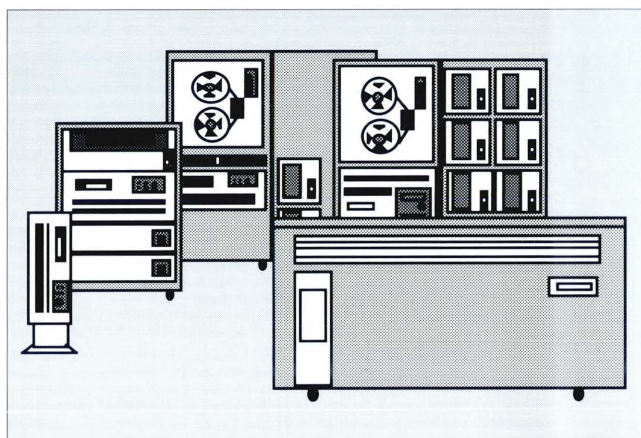
Integrated Database Manager (IDM) software grants Britton Lee Shared Database Systems (pictured above) an identical programming interface to multiple computer systems running in a variety of operating environments.

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