Titan: Titan Core Utilities

Titan Utilities is a powerful module for both UNIX application developers and end users. It enhances the power of the Titan accounting, inventory management and manufacturing modules. Using the Progress Fourth Generation Language (4GL) and Relational Database Management System (RDBMS), Titan Utilities creates a practical and economical Computer-Aided Software Engineering (C.A.S.E.) environment that benefits both the developer and end user.

Titan Utilities works with the Titan accounting, inventory management and manufacturing modules from INTRIX SYSTEMS GROUP, a market leader in quality, innovative UNIX software solutions and support services worldwide.

Titan Utilities lets the Value Added Reseller or Systems Integrator create or customize prototypes or full application systems in a fraction of the time they normally require. The result is a complete, in-house 4GL programming and documentation environment that reduces development times and costs.

For the end user, Titan Utilities provides a unique "Executive Reporter" function. It contains a powerful query generation capability with the ability to export data to spreadsheets, presentation graphics and word processing. Security and administrative functions, critical to operating multi-user systems, also are contained in Titan Utilities.

As an off-the-shelf system, Titan supports a wide variety of businesses, particularly wholesale distribution, manufacturing, property management, retail and the service industries. It also can be quickly and easily customized to meet the requirements of other industries or individual end users.

Reduce Development Time and Costs Deliver a feature-rich, well-documented system, complete with context-sensitive, online help, in a fraction of the time required for 3GL applications A library of standard macros, report and menu skeletons provide a standard user interface and consistent program structure for faster application development Produce Applications with Powerful Features Offer applications with automatic browsing, online queries, user defined Help hot keys and multilevel security systems Develop complete online documentation as the application is being developed, avoiding the last minute rush to complete the paperwork

Development Tools

Titan Utilities development tools offer a framework that encourages programming standards and makes them easy to implement and administer.

Provide an open architecture Generate menus and make use of related tools Provide manual and automatic procedure generation using Titan Utilities macros as basic structures and templates Generate menus and make use of related tools Make use

of the function concept Provide documentation and cross-referencing tools Help schema analysis to support designers Provide extensions to the Progress meta-schema for added functionality

Support and Porting Tools
Titan Utilities offers tools that help the developer distribute, maintain and enhance applications. Use these tools to port applications to different systems, complete with online documentation and easy-to-learn functions.

Assist in preparing media for distribution Support MS-DOS systems, using the full 12-character file names provided by Progress Extract definitions and procedures that are relevant to a function or group of functions Apply the features generated by the End User tools to your end user system Produce reference manuals using automated documentation tools Support compilation and distribution of encrypted source Mass-generate zap procedures to support runtime environments

Technical Highlight:
- Deployment flexibility: You can deliver your PROGRESS-based application without modification to users running on a DOS PC, MS-Windows, OS/2, UNIX, VAX/VMS, or CTOS machine and gain added deployment flexibility if you plan to migrate to client/server computing in your future.
- Distributed processing: You can distribute your PROGRESS-based applications across a client/server environment to maximize the effectiveness of your computing resources and increase processing power as your user base grows.
- Location transparency: As your needs grow, you can migrate applications or data to new systems without losing power and processing speed, or incurring costly reprogramming time.
- Server scalability: You can upgrade one server with a larger one or install additional servers and distribute your database or application processing between them. As a result, you can easily and transparently reconfigure your PC LAN to meet your users' changing needs instead of replacing costly hardware.
- Secure distributed updates: PROGRESS uses a two-phase commit protocol to ensure data integrity and consistency across distributed databases. Updates made to multiple databases within a single transaction are either committed or cancelled.
- Database gateways: With PROGRESS gateways, applications can transparently interface with a growing set of databases and file structures, including Oracle, Rdb, and RMS.
- High productivity application development: Applications developed in PROGRESS can be written up to 10 times faster than the same application developed using a third-generation language (3GL).

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- Rapid prototyping capabilities: You gain exceptional quality as well as the ability to specifically meet your users' need with the powerful prototyping capabilities PROGRESS.
- Distributed databases: You can link separate databases into one logical database. You can query data or join records stored on multiple computers with just one SQL statement. Or you can use your network to update several databases from within one application program.
- Full compatibility with existing PROGRESS applications: PROGRESS applications developed under UNIX, VMS, OS/2, DOS, MS-Windows, AS/400, or CTOS will run in a distributed, client/server environment.

Executive Reporter

Another powerful feature of Titan is the Executive Reporter contained within the Titan Utilities module.

For the end user, the unique "Executive Reporter" function provides a versatile and simple-to-use management reporting capability. The Executive Reporter contains a powerful query generation capability with the ability to export data to spreadsheets, presentation graphics and word processing.

The Executive Reporter allows the user to select, project and join information from multiple files. This can be easily accomplished with no prior programming experience on knowledge of the database.

Progressive Windows All Titan accounting, inventory management and manufacturing modules use a powerful "Progressive Windows" feature. This allows the user to retrieve any related file in the Titan database from any screen in any module. This capability provides instant access to information -- for instance, any customer, vendor, product, product group or order, down to any level of detail required.

From any screen, hitting CTRL Z (Zoom) accesses a menu of more detailed information. The Progressive Windows and Zoom Option menus shown below provide an example of how a user can open and overlay sequential windows to quickly access both item and open order (quote) status during the order entry process. To ensure data integrity, these files cannot be modified during the inquiry only process.

In addition, Titan users can do any of the following with one or two key strokes in Progressive Windows:

View the next full page of text View the previous full page of text Return to the first page of text from any page Return to the last page of text from any page Access both current and historical data maintained within the data base Obtain "ehelp"e on the function being accessed Print the information in the current (last) window displayed to the system printer. Return immediately to the data entry function regardless of the number of windows opened.

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