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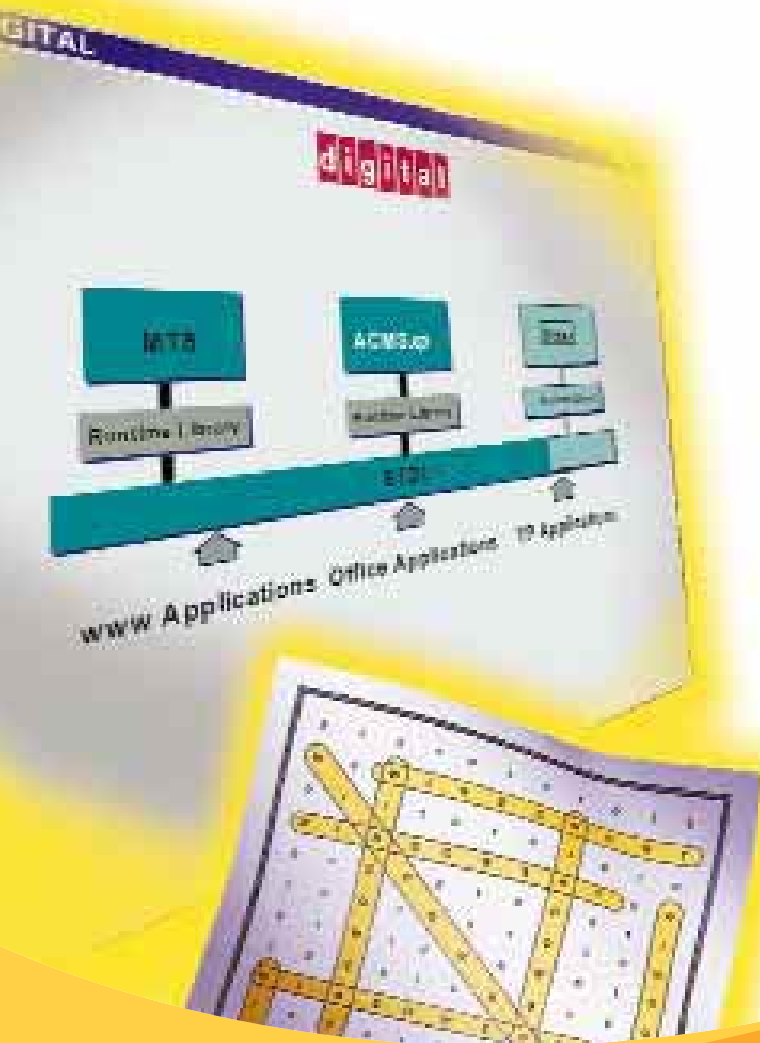
DIGITAL
Portable TP
for Windows NT

T H E   S O L U T I O N   I S   C L E A R

Are you developing critical business applications that use the Microsoft® infrastructure—and are portable? DIGITAL™ Portable TP for Windows NT® is an application development environment that creates portable multitier, Web, and office-based high-performance TP applications. Developers may easily create scalable, robust, and reliable high-volume database applications for Windows NT, UNIX®, and DIGITAL OpenVMS™—with a minimum of application development effort—resulting in more efficient applications with improved performance.

F E A T U R E S

- Creates transaction semantics and generates portable TP-specific functions such as start and stop transaction and recovery.

- Create source on Windows NT and compile and link on OpenVMS and UNIX.

- Supports several middleware environments, including Microsoft DCOM and The Open Group DCE.

- Client applications use Visual Basic, Active Server Pages, C++, C, Microsoft Word, or any client using automation components or calling a C procedure.

- Industry-standard transaction processing language: X/Open *Structured Transaction Definition Language* (STDL).

- SQL pre-processor converts embedded SQL to ODBC calls for portability of database procedures.

- Uses latest Windows NT technologies (MTS, DCOM, DTC).

Quick, easy development of high-performance Windows NT applications

Microsoft® integrates transaction processing into Windows NT® using Microsoft Transaction Server (MTS) and Microsoft Distributed Transaction Coordinator (DTC) services. This results in an environment capable of executing production-level TP applications on Windows NT Servers. Portable TP for Windows NT uses the services provided by MTS and provides the capability to rapidly design and develop applications that can be deployed in a mixed server environment. Portable TP is based on DIGITAL's highly successful ACMS transaction processing software and allows developers to focus more on business applications and spend less time on infrastructure and middleware issues. DIGITAL Portable TP for Windows NT enables the development of high-performance, high-volume applications with an easy-to-use high-level language. The resulting applications are easily distributed and highly scalable.

Overview

With Portable TP you can create source on Windows NT that may then be compiled and linked on other systems. The Portable TP compiler (STDL) automatically generates the transaction-specific code required for successful database procedures.

The Portable TP compiler generates multithreaded programs capable of executing multiple remote procedures. Exception handling routines, automatic transaction restart, and header files for client and database modules are generated.

Portable TP works with standard client and database server modules to easily create high-performance ACID applications with a minimum of development effort. Transaction support ensures database updates succeed or fail as a unit.

DIGITAL Portable TP for Windows NT makes it easier to design and develop MTS applications that maximize scalability and performance by efficiently maintaining the object state, saving developers time and effort.

The application generated consists of thoroughly tested code, minimizing the chance of programmer error. Portable TP reduces development time and debugging effort for faster deployment of applications.

Portable TP Architecture

Highlights

- Create STDL source and C procedures on Windows NT
- Compile and link on Windows NT, UNIX®, and/or OpenVMS™
- Generate multi-threaded, remote communications
- Generate start and stop transactions
- Generate exception handling
- Generate automatic transaction restart
- Generate a portable TP solution

Client Choices

- Windows® 95, Windows NT
- Internet Explorer, Netscape Communicator
- Internet Information Server, Netscape Enterprise Server
- Visual Basic, Visual C++, PowerBuilder, Oracle 2000, Microsoft Office
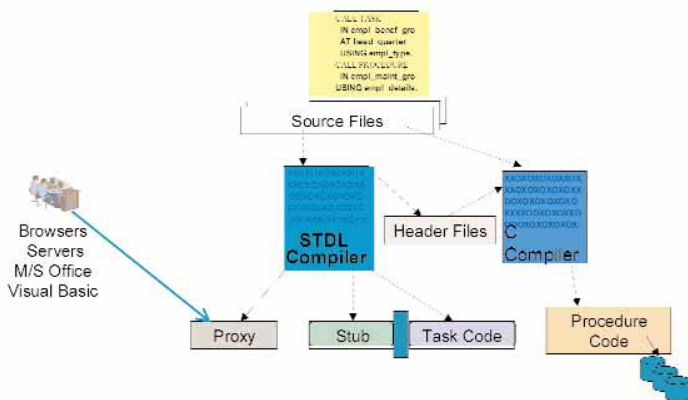- Bar code readers, gas pumps, ATMs

Deployment Options

- Choose many combinations of servers
- Choose many combinations of TP infrastructures
- Choose many combinations of databases

Portable TP Summary

- Use proven ACMS technology on UNIX and OpenVMS
- Based on the proven DIGITAL ACMS Family of solutions
- Utilizes *defacto* and *dejure* standards
- Enables development and distributed TP applications on Windows NT (Alpha and Intel®)
- Quick development and deployment of multiplatform applications
- Scalable architecture for high performance
- Utilizes the Microsoft infrastructure and is integrated with DCOM and Windows NT services

For more information about DIGITAL Enterprise Software for Windows NT,

call your local DIGITAL office or visit us at www.windows.digital.com

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