OPTA2000

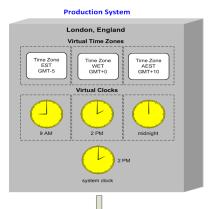## Date & Time and Time Zone Simulator for NonStop Applications

Overview

TANDsoft's OPTA2000™ provides date & time and time zone simulation for all HP NonStop applications and data bases. Date & time simulation allows organizations to "time travel" their applications in the future or past to test all date & time sensitive logic. OPTA2000 eliminates the need to change system clocks for time-sensitive testing. Time zone simulation allows applications to operate in any virtual time zone. With the ongoing consolidation of data centers, OPTA2000 becomes increasingly valuable by allowing applications to operate in local date and time, independent of the current physical location or time zone of their data center.

How It Works

OPTA2000 uses intercept libraries and virtual time containers to provide simulated dates & times and simulated time zones to applications and data bases. A virtual time container is used to create a simulated date and time or simulated time zone for applications, consisting of a specified set of programs, processes, users, and any other common process run-time attribute. Virtual time containers can be customized to include or exclude certain applications & databases. The intercept library is used to intercept date and time function calls to the Nonstop operating system from all applications and data bases.

OPTA2000 Benefits

- Gain the competitive advantage • Shorter testing cycles, meeting deadlines, reducing resources while providing high software reliability.
- No code changes • No System clock changes • System file timestamps untouched.
- Safe • manual time-testing can propagate wrong file timestamps causing major havoc in backups, system batch jobs, and damaging other core server functions.
- Compatible • supports all customer, HP, third-party, Enscribe, SQL/MP and SQL/MX NonStop applications & databases.
- Reduce costs • Consolidated data centers and applications using virtual time zones dramatically reduce hardware, software and resource related costs.
- Time test critical applications - Pensions, Leap Year, Billing Cycles, Policies, Daylight Savings, Future Dates, End of Month/Quarter/Year Transactions.
- Flexible • a single server license allows unlimited virtual time containers for multiple applications running at the same time.
- Supports all NonStop application types and servers (TNS, TNS/R, TNS/E and TNS/X) and also available for Linux, UNIX, and Windows.
- Proven • OPTA2000 is in use at several of HP's customers worldwide.
- TANDsoft is committed to providing our customers with best date & time and time zone simulation solutions.