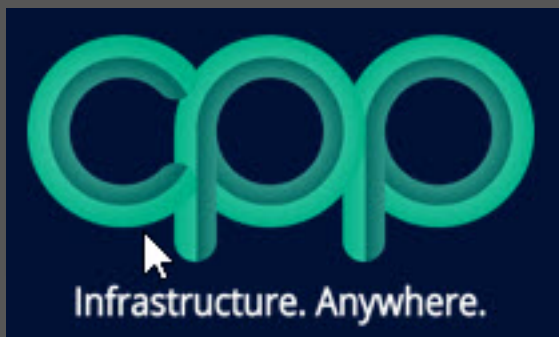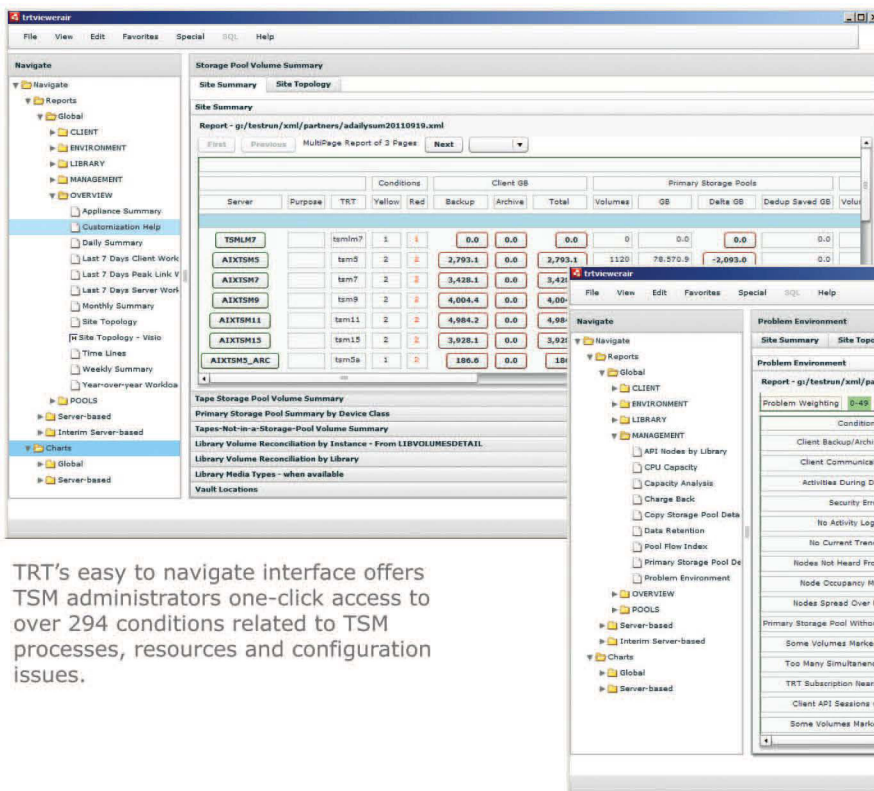# TSM Reporting Tool

Failures, errors and other issues are color-coded by severity, providing an easy-to-understand snapshot of your TSM environment.

TRT's easy to navigate interface offers TSM administrators one-click access to over 294 conditions related to TSM processes, resources and configuration issues.

The CPP TSM Reporting Tool

Spend less time monitoring and fine-tuning your TSM infrastructure, while proactively avoiding TSM problems and issues.

TSM is a powerful, flexible and feature-rich backup/recovery platform. However, these traits also make TSM complicated to tune, size, and report on. CPP's TSM Reporting Tool (TRT) helps improve and simplify the administration and reporting of your TSM backup environment—without requiring additional employee training or resources.

After being installed at your site, TRT collects daily information from your TSM server(s). The data is then analyzed, categorized, and tabulated in order to provide daily "pictures" of your TSM environment—including administrative events and exceptions, and client issues. This helps your TSM administrator quickly view the state of your TSM environment and perform changes as required.

TRT dramatically increases the ROI of your TSM investment. Through tools-assisted TSM management, your administrator will spend less time discovering and analyzing TSM's monotonous but critical daily monitoring messages and reports. In fact, error discovery time is reduced from 1 to 2 hours per day (depending on the environment) to 5 to 10 minutes per day. The automatic tabulation and presentation of information also allows quick inspection and analysis of any problems/issues with your TSM environment.

By decreasing the effort spent monitoring and fine-tuning the TSM infrastructure, your TSM administrator will have more time to focus on long-term, strategic initiatives for your backup/recovery environment.

To get started with a free TRT analysis, contact CPP Associates at trtsupport@cppassociates.com.

CPP Associates, Inc.

How does it work?

CPP's TSM Reporting Tool (TRT) is a customizable, low-profile TSM add-on built especially for TSM versions 5.x and 6.x. CPP consultants will visit your site, install TRT on Windows servers connected to your TSM server(s), and then configure TRT to collect daily information about your TSM environment. CPP will also educate your staff about how the tool works, and how to read and interpret TRT's reports and error messages.

TSM monitoring

Once installed, TRT will monitor and evaluate over 294 TSM conditions related to process or job flow, resource consumption, and configuration or structural issues within your TSM environment. These conditions include, but are not limited to, the following:

- Amount of nightly backups
- Complete/incomplete jobs
- Total data in each storage pool
- Tape library utilization
- Tape utilization
- Server resource utilization
- Elapsed backup times
- Reclamation efficiency
- Tape pooling efficiency
- Tape migration processes
- Security
- Communications
- Throughput
- Idle resources
- Inactive clients

TSM reporting

After collecting and processing the TSM data (as well as data from appliances, if desired), TRT generates reports about client issues and administrative events and exceptions. These reports not only provide daily "pictures" of your TSM environment, but also allow you to quickly zoom in on priority issues.

Summary reports fall into two categories: TSM Administration and TSM Client. Administration-oriented reports include the following:

- A summary of the previous day's activities, including client sessions, administrative functions and unusual conditions.
- Schedules defined and run, with results and elapsed time.
- Commands entered, with any errors that resulted.
- Tape library reports by time-of-day, including mounts/dismounts.
- Tape throughput by function and device type.
- Notification report, detailing whom was notified of what conditions.

CPP Associates, Inc.

TSM Reporting (cont.)

Client-oriented reports include the following:

- Summaries of backup/archive/ restore/retrieve sessions.
- Highlighting of unusual session conditions (e.g., long sessions, communication errors, security errors, media waits, object errors).
- Summaries of top consumers (by bytes transferred, or occupancy).
- Summaries by client platform.
- Highlighting of unusual contact conditions (idle nodes, changing code levels, changing IP addresses).
- Throughput statistics.
- Schedule failures.

Near real-time alerts

TRT is also equipped with an optional alerting function that notifies users when certain TSM conditions occur. Generally, alerts are set up for critical conditions such as input/output errors, resource capacity overloads, and library operator messages.

The alert information—which may include date and time, TSM server name, condition name, etc.—may be sent to email addresses, receiver programs, Windows machine names, or script paths.

TRT can also evaluate repeating conditions and even suppress them in order to prevent overrun conditions.

TRT's missed/failed clients timeline presents a graphical representation of missed and failed TSM client backups.

About CPP Associates, Inc.

CPP Associates, Inc. has over 20 years experience designing and implementing enterprise storage, Storage Area Networks (SAN), and enterprise backup and recovery solutions for Fortune 500 clients.

Complex technical projects require more than just strong project management. Our Project Leadership approach for technical projects couples strong IT project management experience with subject matter expertise for the technologies we implement.

Our Project Leadership team understands the dynamics and dependencies of complex technical projects and the importance of open communications. We work closely with your IT staff, vendors, and implementation team to ensure seamless integration of IT solutions into your existing environment.

CPP Associates maintains partnerships with IBM, EMC, Hitachi Data Systems, HP, Express Systems Integration, Inquinox, Mainline Information Systems, Virtual Instruments and CommVault.

Infrastructure. Anywhere.
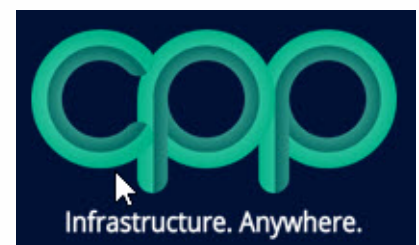
6 State Route 173, 2nd floor
Clinton,, NJ 08809

866-277-4621;708
www.CPPAssociates.com