

# MIGRATION AND CONSOLIDATION ACCELERATOR

## *Reducing the Time, Cost and Risks of Database Application Migrations and Consolidations*

### TELERAN MIGRATION AND CONSOLIDATION ACCELERATOR

#### KEY FEATURES

Captures and models targeted application and data activity

Creates composite application workload models for consolidations

Develops statistically representative benchmark tests

Models applications on all leading database platforms targeted for consolidation

#### BENEFITS

Identifies and minimizes legacy application performance issues

Reduces consolidation costs

Minimizes risks by accurately modeling / sizing workloads

Speeds time to value

Reduces ongoing operating costs

Once your organization has made the decision to move forward with a new database appliance or database platform, you now have the task of migrating and consolidating applications and data. Migration and consolidation projects are resource intensive and include many manual steps that can increase the cost, effort and time to complete them.

Risks to this process include not fully understanding application usage patterns and workloads of the source systems targeted for consolidation, underestimating the complexity of consolidating mixed workloads, and identifying and correcting application and database issues that impede performance on the new platform. Organizations need to look for ways to automate key steps in migration and consolidation projects to reduce manpower costs, decrease the time to value, and minimize various project risks.

#### Ensuring Consolidation Success

Teleran's Consolidation Accelerator software solution automates key steps in the assessment, planning and testing phases of consolidation and migration projects. It models the use of applications and databases targeted for the new database platform and automatically develops application remediation plans, consolidated workload models and benchmark tests that save you man months of effort. Through this process you will reduce the overall project cost, risk and the time to deliver value to the business.

#### Maximizing the Performance Promise with Application Readiness

New database appliances and platforms can deliver huge performance gains that generate significant business benefits for your organization. However, many applications you are targeting to move and consolidate to the new appliance are not ready. They contain the artifacts of prior application optimization techniques that actually inhibit performance on the new appliance or platform. These include database indexes, hints, poorly formed

database queries and database errors that prevent the performance gains you expect on the new appliance or platform.

Teleran’s Consolidation Accelerator includes Application Readiness, a solution that delivers a clear and detailed view of where your applications need adjusting to take advantage of new the appliance performance capabilities. Teleran’s solution quantifies and helps you prioritize the application remediation work required to enable optimal performance.

## MIGRATION AND CONSOLIDATION ACCELERATOR

Teleran’s Migration and Consolidation Accelerator offers features uniquely designed for modeling and analyzing database application activity to reduce the cost, risk and time to consolidate applications.

With a focus on applications, Migration and Consolidation Accelerator complements database monitors and performance management tools.

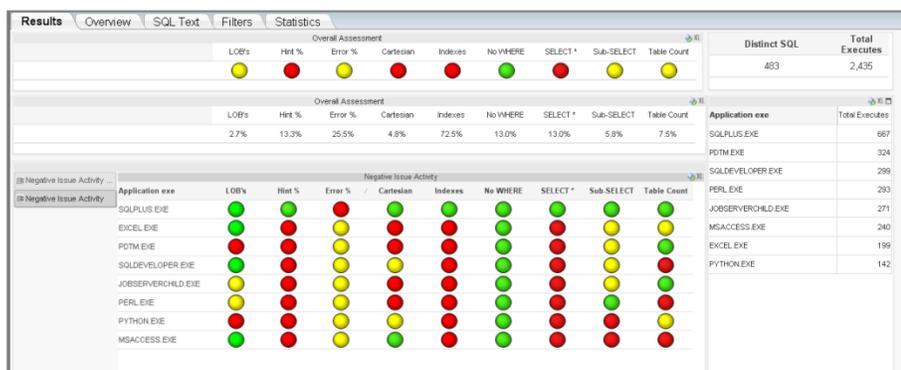
## TELERAN OVERVIEW

Teleran’s Usage Monitoring Analytics software and services transform applications to new platforms including Big Data and the cloud. Once on the new platforms, Teleran’s solutions ensure business performance, compliance and cost efficiency.

### Profiling and Modeling Application Use

Application Readiness monitors and profiles the activity of applications targeted to migrate to new database appliances and platforms. Armed with each application’s profile or model of activity, Application Readiness automatically analyzes and presents those application adjustments that will generate the most performance gains. From there you can decide what steps you should take immediately as you migrate and consolidate applications to the new platform and which adjustments you can make later to capture incremental performance gains over time. By optimizing your applications for the new platform you will also minimize your ongoing application and user support costs.

Application Readiness guides and prioritizes specific application adjustments to ensure your appliance exceeds performance expectations.



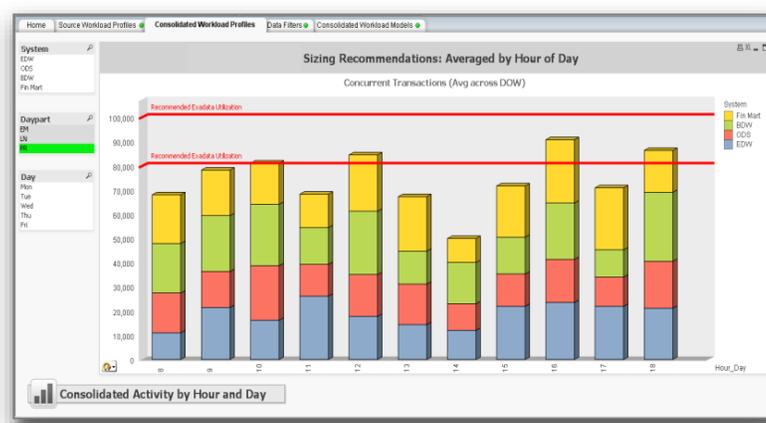
### Performance Benchmarking with Consolidated Representative Workload Samples

Once you have migrated and consolidated your data onto the new platform, you will need to run tests to confirm that performance and capacity requirements are met. Teleran’s Consolidation Accelerator includes the Query and Consolidated Workload Profiling and Testing module. It automatically creates a consolidated sample of all your source system workloads captured during the monitoring step. This composite workload model is used to run benchmarks on your consolidated environment.



The composite model includes the range and variety of application queries that represent 80% of your workload weighted by frequency and processing time. The model also includes peak period query concurrency, representing a composite view of how your queries will behave together. This ensures a complete and accurate picture of your real-world activity and how it will perform in the new consolidated environment. The benchmarking output is a Performance Improvement Analysis that quantifies the performance and throughput improvements you can expect from your new appliance or platform for your particular applications, workloads and user behavior.

Teleran's Consolidated Workload Profiling and Testing module creates composite workload models for benchmarking performance in the consolidated environment.



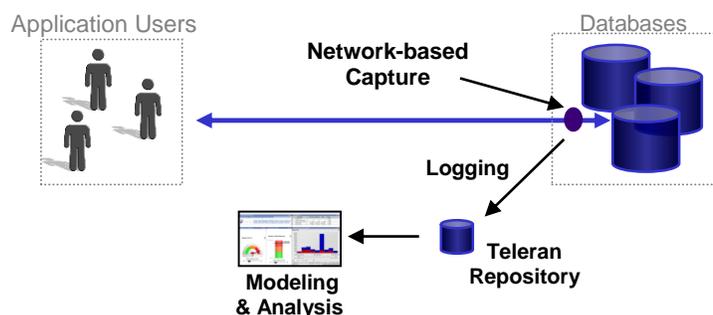
### Automated Process

Teleran's Migration and Consolidation Accelerator software unobtrusively monitors and profiles your applications targeted for the new appliance or platform for a specified time period. It automatically analyzes the results and presents to you both a summary and detailed assessment of the readiness of your applications. It also creates your representative consolidated query and workload test samples that are then run and benchmarked on the new database appliance or platform.

### Unobtrusive, Easy-to-Install Software

Teleran's software architecture is network-based, requiring no database agents or traces that degrade database performance and resource efficiency. Teleran's products reside on the network between applications or middleware and the database. They are designed for fast and easy installation typically requiring one to two hours. Developed in Java, Consolidation Accelerator supports all major operating systems and server platforms and supports single and multi-node environments.

Teleran captures usage traffic on the network outside of the database and logs to its repository for easy and fast reporting and alerting.



### Case Study – Speeding Consolidations, Lowering Costs

One of the world's leading financial information and news companies selected a new database appliance as the foundation for their ongoing information management strategy because of its fast performance and scalability. The company's objectives were to deliver the new performance benefits to the business as soon as possible and to minimize project costs. As they planned the migration of both Oracle and DB2 databases, the company's IT management determined that additional capabilities were required to accelerate the consolidation/migration process and reduce risks associated with moving business-critical systems to the new platform. Oracle suggested that the company consider Teleran to assist them in achieving their migration objectives. It would also help them manage usage of their applications on an ongoing basis.

Teleran's Migration and Consolidation Accelerator enabled the company's consolidation team to plan and execute a low risk project, allowing them to quickly move legacy applications to the new platform. This significantly reduced the project time to value and saved significant IT resources and expense. In addition, their use of the Teleran solution ensured that the company team met business expectations. The company is now using Teleran's Visibility and Control solution to provide ongoing understanding and management of their database applications. This enables them to adjust quickly as business needs and usage patterns change over time, ensuring service levels, operating cost efficiencies and business satisfaction.

The company's use of Teleran's products enabled them to meet their consolidation and migration objectives. Specifically with Teleran's solution, they were able to:

- Quickly and easily create workload profiles to speed testing

- Make adjustments that ensured optimal performance while minimizing the risks of consolidating and migrating mission-critical applications and data
- Save an estimated eight weeks in moving to the new database appliance, enabling faster time to value
- Reduce project costs by two man months

### Key Features and Benefits

Teleran's Migration and Consolidation Accelerator provides the following features and benefits that enable you to deliver on the promise of faster performance, with lower cost and reduced risk.

- Identifies performance inhibitors that reduce performance and cost advantages
- Creates consolidated workload models to speed up applications testing and tuning in your consolidated environment
- Reduces costs by automating key consolidation project steps
- Minimizes risks by accurately sizing application and database remediation
- Reduces ongoing application support and operating costs

### Conclusion

The Teleran Migration and Consolidation Accelerator software solution reduces the overall cost, risk and time associated with migrating and consolidating databases and applications. Its readiness assessment and workload modeling and benchmarking modules will save you man months of effort while lowering overall project risk and decreasing the time required to deliver value to the business.

### Contact Us

For more information about Teleran Migration and Consolidation Accelerator visit [Teleran.com](http://Teleran.com) or call +1.973.439.1820.

