

## Optimize the Technical Infrastructure of Your Kronos Solution

Kronos® Technology Services provides analysis-, migration-, and performance-based services on an as-needed basis to help customers optimize their existing Kronos solution infrastructure, whether it's deployed on premises or in the cloud. Technology Services can help you identify and address potential technical challenges to determine accurate database requirements, improve response time, and minimize downtime to ultimately minimize costs.

### Technology Services Solutions

#### Peak Period Analysis

The Peak Period Analysis is a performance study of your system during its peak time that includes reviews of your hardware, requisite software, database, application installation, system settings, and component distribution. Analyzing your live system during peak use times provides a comprehensive view of your Kronos Workforce Central® systems and the performance metrics for an exact time, place, or situation. A Peak Period Analysis gives you an opportunity to proactively reduce expenses related to performance issues and system downtime.

#### *A Peak Period Analysis is invaluable if you are:*

- Experiencing stability or performance issues
- Needing architectural assistance with population growth
- Looking at more accurate sizing of hardware needs
- Conducting managed rollouts to measure system impact
- Implementing a new feature, product, or module
- Evaluating a technical upgrade
- Considering a data center move or other architectural project
- Assessing the impact of a new Kronos product
- Quantifying the system for a planned change (SSL)
- Supplementing your Upgrade Evaluation Assessment

An experienced Kronos Technology Consultant will methodically inspect, monitor, and document one of your environments and provide you with a comprehensive list of any issues, along with recommendations for improvement. We'll then work with your team to implement an action plan.

## Key Benefits

- > **MANAGE RISK:** Identify and address potential technical issues before they impact users
- > **CONTROL COSTS:** Minimize database expenses related to Oracle licensing
- > **IMPROVE RESPONSE TIME:** Reduce response time and validate acceptable performance parameters
- > **ACCURATELY PREDICT SYSTEM NEEDS:** Provide precise sizing recommendations for large systems
- > **REDUCE SYSTEM DOWNTIME:** Proactively prevent system issues to maximize performance for users

## Database Migration

A thorough and comprehensive database migration is critical to maintain proper system functions and an uninterrupted, seamless flow of the data your organization depends on for accurate and timely business transactions. Database Migration services help you successfully migrate your Kronos database/data and history from one relational database management system (RDMS) platform to another. It also helps your team minimize database costs associated with Oracle licensing.

Our Kronos Technology Consultants perform a thorough assessment of your current database, creating a comprehensive catalog of your information and database history. This database and its critical data are then transferred to your designated platform. Database Migration is highly recommended when adding a human resource management system (HRMS) and before moving your database to a Kronos-hosted environment.

### **Your Database Migration services include:**

- A comprehensive review of all Kronos system components
- Capacity planning and hardware sizing
- Three separate migrations (lab, test, and production)

## Performance Validation and Stress Testing

Capacity and user-load parameters are often hypothetical estimates that may never be tested or confirmed until your system reaches that critical boundary between functioning as planned and failing as feared. Performance Validation and Stress Testing services verify the capacity of your Kronos application by simulating the anticipated application and user load — safely and securely in a testing environment to prevent actual failure and data loss.

Kronos Technology Consultants create real-life use cases simulating environmental stresses and the estimated maximum user load. This test helps identify any potential system failures when a maximized load or unexpected environmental challenges are placed on your system. A formal empirical system study is recommended to fully understand your particular use cases.

### **Your Performance Validation and Stress Testing services include:**

- Performance testing to uncover potential weaknesses and measure service times of application functions

- Load stress testing to determine performance and how it scales under multi-user loads
- Environmental stress testing to uncover potential weaknesses outside of your application

## Empirical Study

The data generated by your Kronos solution can unlock a potential gold mine of information that can be leveraged to maximize solution performance. Empirical Study services gather your solution data using application, operating system, and database logs and tools to gain insight into system performance and create recommendations for improvement.

Kronos Technology Consultants record and analyze the data gathered during the transaction of a complete pay period on your Kronos solution. Current system usage patterns are studied through this detailed data analysis to then leverage for best-practice recommendations.

### **Your Empirical Study services include:**

- Gathering of data captured during one complete pay cycle
- Analysis of data to uncover system utilization patterns
- Sizing recommendations based on system utilizations

## Express Archiving

Data archives are a critical part of your database management and maintenance. Express Archiving services archive your data to facilitate upgrades or purge specified data to reduce the load on your production databases.

Our Kronos Technology Consultants gather specified data from your system and archive it for safe and secure storage. All archived data can be accessed at any time. Express Archiving services can be used in place of or in conjunction with the Kronos system Record Manager functionality to help reduce downtime and increase performance of Record Manager.

### **Your Express Archiving services include:**

- Identification and gathering of data to be archived
- Archiving of data in a secure location with easy access

