Data Center Assessment Services

Datatrend's server assessment includes:

Technical Analysis

Summarize current server population, including total number of servers, quantity of servers added within the last year, and duplicate or redundant server functions that can be consolidated.

Summarize resources within data center environment, including current "at capacity" server racks, current capacity and energy usage of data center electrical and air conditioning systems, and opportunities for application consolidation via virtualization.

Performance Analysis

Target CPU utilization percentage of server environment during prime time and peak hours

Provide overview of service level agreements (SLAs) within the organization

Determine success of current server environment in meeting required performance levels

Identify scalability needs

Financial Analysis

Summarize current server hardware and software costs, including maintenance, warranty, facility, and lease payment costs

Identify potential solution implementation costs, including cost-replacement modeling from current state to future state recommendations, and ROI modeling for recommended changes

What is a data center assessment?

Though it's up for interpretation, Datatrend defines this as customized reporting and complete documentation of your entire data center, with recommendations to optimize your IT resources. Our team offers data center assessment services in the following areas: Server Assessments, Desktop Assessments, and Data Storage Assessments.

Server Assessments

Every industry is facing significant challenges due to escalating server-related costs, ranging from increasing upgrade and maintenance expenses to skyrocketing data center energy costs. And if you're like most companies, you cannot afford underutilized servers, which hog key resources such as space, power and cooling, and staff time.

Server assessment and optimization services from Datatrend address all aspects of your server environment and provide you with an in-depth look at your mission critical data, applications, and server infrastructure. The analysis includes technical, performance, and financial considerations to determine the total cost of ownership of your current environment. Plus, you will receive server optimization recommendations for solutions geared to improve server performance, reliability, and standardization.

Let Datatrend's data center assessment present you with helpful insights and clear options that will help optimize your server infrastructure, including the ROI potential of initiatives such as consolidation and/or virtualization.

- Increase operational efficiencies – identify ineffective or duplicate hardware and software within your server environment

- Optimize server performance – provide the ability to increase individual server utilization

- Achieve cost savings – do more with less by decreasing maintenance costs, minimizing data center space requirements and lowering power and cooling costs

Desktop Assessments

Datatrend's desktop assessment includes:

Technical Analysis

Compile sampling of the current desktop environment to determine overall usages, including total number of desktops, and growth of desktops from year to year

Determine ability to virtualize desktops by group/function, power consumption and alternatives to usage trends, security gaps, and centralization options

Performance Analysis

Identify CPU trends and utilization during rolling time frames to determine opportunity for virtualization based on refresh cycle timing

Determine potential procurement cycle savings/timelines, plus possible security and maintainability benefits
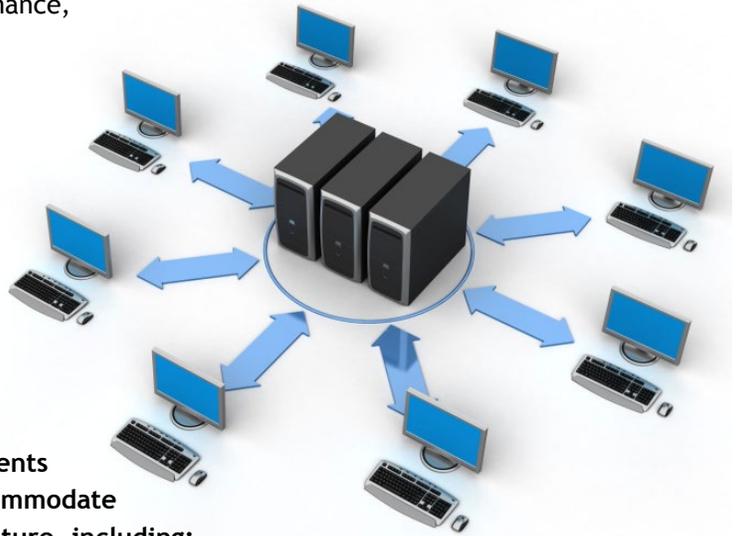
Financial Analysis

Summarize current hardware costs, including maintenance, electrical, lease and facility expenses.

Identify financial implications associated with replacement solutions, including cost replacement modeling for migrating from current to new solutions, and ROI modeling for each virtualized desktop solution recommendation

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Our proven approach to conducting data center assessments will provide value now and accommodate growth and scalability for the future, including:

- **Increased operational efficiencies** – identify areas of inefficiency within your desktop framework as well as opportunities to increase service levels, minimize downtime, and optimize usage

- **Simplified management and security** – provide a clear overview of current security and management shortfalls while highlighting the benefits of a centralizing these capabilities through virtualization

- **Significant energy savings** – demonstrate potential cost savings enabled by a virtualized desktop solution, while supporting your current and future green initiatives

Datatrend
TECHNOLOGIES INC.
taking **IT** beyond

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Data Storage Assessments

Datatrend's data storage assessment and optimization services are ideally suited for customers with large storage environments, including those within security sensitive and data heavy markets such as healthcare and financial services. For many of these organizations, the high costs of complying with increasingly complex regulatory requirements are driving up operating costs, depleting IT budgets, and contributing to decreased service levels.

We will provide an analysis of your storage capabilities, processes, and capacity of your storage infrastructure. The assessment identifies opportunities for immediate storage-related performance improvements, and includes analysis and recommendations to optimize data storage management effectiveness. The end result of this review is a roadmap of the steps and solutions necessary to optimize your storage environment and increase efficiencies.

You can address your data storage concerns and gain a competitive edge with a data center assessment that delivers high-value results, including:

- **Increased data security** – reduce potential risks caused by inadequate data retention and/or lax security policies with solutions that ensure data integrity

- **Increased operational efficiency** – optimize solution performance by assessing the actual technical and financial aspects of the current storage environment

- **Reduce Costs** – reduce current and long-term IT and business costs by addressing areas of inefficient or underutilized data storage

Take the First Step Today

Begin solving some of your tougher IT challenges, and gain the knowledge to empower your business. An optimized server, desktop, or data storage environment will deliver tangible results now and in the future.

Put our experience, impeccable service, and proven tools and methodologies to work for you.

>>> *Experience the **Datatrend** difference today.*

If you are interested in a data center assessment or any of our other related services, please contact us at **800.367.7472** or at info@datatrend.com for a free, no-obligation quote.

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