Maximize your converged infrastructure investment and unleash new IT-related business opportunities with Converged Infrastructure Assessment from Hitachi Data Systems.

Respond to Today's Dynamic Trends: Action Is No Longer an Option. It's a Must!

Software-defined infrastructures and application modernization continue to evolve as key drivers for business IT transformations. And while businesses are moving at breakneck speed and growing increasingly complicated, IT faces mounting pressure to keep pace. At the same time, IT budgets are flat or decreasing. Today's organizations must formulate innovative strategies to meet future demands to deploy scalable and dynamic new data centers, refresh technology, or relocate infrastructure. Now more than ever, they need solutions that deliver greater performance, flexibility and business outcomes while remaining simple enough to manage.

No Risk, No Compromise Migrations: The Foundation for IT Transformation

IT transformation combines traditional and new technologies and applies them in fresh ways to change workflows and improve processes. Migrations are always a key element of any IT transformation, whether preparing for the latest business application or upgrading to new predictive analytics capabilities. The Hitachi Data Systems consultative approach lets application owners shop for the right service level according to their specific requirements, desired outcomes and budget considerations.

According to IDC, "Data Migration Services require a solid plan with the involvement of IT." Converged Infrastructure Assessment from Hitachi Data Systems is designed with these parameters in mind. The service tracks and records resource utilization, eliminates waste and inefficiencies, minimizes risk and cost, and provides a custom-designed planning and migration solution to meet precise business requirements.

Converged Infrastructure Assessment From Hitachi Data Systems

Converged Infrastructure Assessment from Hitachi Data Systems offers an optimized and highly efficient migration to a new converged infrastructure. It combines our software, technical and migration expertise to inventory, plan and migrate your environment to your new architecture. Hitachi Data Systems Global Services experts start by discovering your existing environment and collecting performance data. The data is then modeled based on your input to help identify key factors, such as storage architecture planning and expected performance of the target virtual environment. Next, we identify systems that are good candidates for virtualization. Discovery identifies workload details and provides a factual check so that any plans are vetted

with the most current information. This process is especially important as many organizations leverage virtual servers and other cost-reduction technologies but fail to retain a current configuration management database (CMDB).

Converged Infrastructure Assessment employs proven processes and solutions to deliver predictable outcomes based on our consultative expertise, processes, partnerships, tools, service offerings and best practices.

HDS Global Services
LEARN MORE

Many Capabilities, One Holistic Approach

The Hitachi Data Systems transformation approach is based on years of proven proficiencies for simple and fast transition of production systems to the new infrastructure. We start by defining components, such as content, operating system, middleware and applications into "workloads." Then, we assess, plan and design the transition methodology, keeping automation and business requirements in mind, along five fundamental steps, as shown in Figure 1.

Workload Assessment

Workload Assessment kicks off the process. It deploys our assessment

Figure 1. HDS Fundamental Migration Steps

automation software in your production environment to:

- Inventory data, content, and/or applications to be migrated.
- Determine workload resource ownership and establish additional resources, if needed.

Our deployment design is highly scalable for any size architecture. The Workload Assessment step is the foundation for all successful migrations. Automation software improves process efficiencies by combining data and application association and ownership for bundled scheduling and effective planning.

Transition Planning

Building from the data collected in the Workloads Assessment, Transition Planning generates consolidation plans to ensure the optimal fit between your business goals and destination resources. The assessment data is used to generate transition scenarios and reports to validate planning. This means that you can sample any variation without suffering from interruptions to your regular operations. Optimizing the transition destination provides the best return on investment (ROI) while ensuring the smoothest planning for the selected transition. In this important step, we incorporate your input along with all of the planning workflows directly into the actual Workload Transition. And because we have all the decisions and analysis already completed, the migration configuration occurs without impact to your daily operations. Thus, we reduce labor and time while increasing efficiency.

Transition Testing

Transition Testing identifies key target workloads for the migration. We make a virtual copy of key production workloads. This approach gives you the added benefit of having a near-current copy that leaves your servers while in production status, which can then be staged in the transition destination. Migrations rely upon accuracy, so we test and validate using an actual workload because that is the only way to ensure accurate test results. It is this level of detail and knowhow that truly sets Hitachi Data Systems apart from the competition.

Migration Execution

The Migration Execution stages the target environment for the Workload Transition. Based on the steps taken in the Transition Testing, we are fully confident that we are ready to proceed. This step is the final preparation for the Workload Transition. All workloads are copied and staged in the migration destination and any necessary site configurations are finalized. While the migration is being executed you can b-r-e-a-t-h-e, knowing that downtime will not occur because we've made copies of your systems and they've been staged onto new hardware and platforms.

Transition Completion

The final step in our process is when the migration destination becomes the new production site. During this stage, minimal downtime may occur. However, our migration process minimizes it because, collaboratively, we have vetted your new environment. Depending upon planning, this can happen all at once or in phases. Our transition process further protects you because the old systems are still available if needed.

Hitachi Data Systems Global Services Value

Transition is an ongoing activity at all enterprise IT data centers. Traditional transformation projects consume considerable resources, are costly and involve considerable risk. However, Converged Infrastructure Assessment, our migration center of excellence, cost modeling data, and the experience Hitachi Data Systems has with migrations all point to solid solutions. We can help you reduce risk and costs for any of your migration requirements, now and for the future.

Hitachi Data Systems has migrated thousands of enterprise systems for our customers worldwide. We provide innovative storage architectures with market-leading storage virtualization capabilities and heterogeneous vendor support. We combine these architectures with Hitachi Data Systems experience and best practices to help organizations lower costs and risk for data migrations.

Next Steps

Take the next step. Let Hitachi Data Systems Global Services highly trained, knowledgeable and experienced migration consultants chart your course, help you drive solid business outcomes, and accelerate your success. Contact your local HDS representative for more information. Call: 1 858 581 6500 (USA, Asia) or 44 845 450 6865 (Europe).