nlyte. Software

Global Technology Company

CASE STUDY

COMPANY

One of the world's largest technology companies running nine data centers on four continents with a capacity of more than 25,000 racks and 500,000 individual servers.

BUSINESS CHALLENGE

- Nine data center locations, each in its own silo and "blind" to other deployments
- Three disparate data center environments – traditional, co-located and modular
- No "single source of truth" to know what's where and how it's being used
- Data center assets driving online services becoming critical to client's bottom line
- Data center infrastructure projected to double or triple in coming years

WHY NLYTE SOFTWARE

- Intuitive single-screen view into geographically dispersed, disparate technology environments to visualize entire data center footprint
- Extensive experience in strategic planning and future capacity constraints analysis of data center resources
- Ability to perform "what-if" analysis and defer future new data center investment
- Immediate statement of capacity reports and forecasts vs. old, backward-looking monthly statements
- Heat map visualization and power use optimization to find "sweet spot" of data center efficiency to reduce total operating costs

BENEFITS

- Centralized content database provides improved visibility of where all assets are located, saving massive time poring through spreadsheets and walking the data center floors to non-updated asset locations
- Company improved data center operational performance by moving from manual spreadsheeets and home grown solution to single automated data center infrastructure system
- Nlyte's analytics capabilities provides business units improved insight and better capacity optimization of their respective assets
- Nlyte capacity and forecast reporting has improved organization's ability to plan future capacity based on projected capacity constraints
- Deferred capital investment, got more out of existing infrastructure via under-utilized racks were paired with in-demand resources to allow for 24/7 optimization

> *"We wanted 'one source of truth' to know what is where, who owns it and what is running on it. We now have one system to track assets among traditional data centers, co-locations, and modular containers that provides internal customer views of data center capacity and efficiency."*
>
> General Manager, Data Center Infrastructure

BUSINESS CHALLENGE

Over the past decade, this technology giant experienced exponential growth to become one of the world's largest companies. Attempting to keep up with the blistering pace of its own expansion, the client deployed data center resources around the world where and when it needed them. Eventually, that meant it was running nine facilities across four continents with three disparate technology environments: traditional, co-located and modular.

At the same time, it's online services began to represent a larger and larger slice of the client's overall revenues. That meant its data center infrastructure had evolved from what was once an internal resource to a critical, customer-facing asset with significant impact to the bottom line.

Yet, there was no single view into the infrastructure behind one of the firm's fastest growing profit centers. Each data center was a silo unto itself, tracked through proprietary, in-house systems or the hunt-and-peck processes of spreadsheets.

As it became clear that this mission-critical infrastructure would only continue to expand in coming years -- along with the costs to operate and manage it -- company executives decided to tackle the issue head on.

> *" Data center infrastructure management has essentially become the enterprise resource planning solution of the future. Just as ERP software revolutionized how human resources and accounting did business in the past, DCIM is revolutionizing how data centers will be managed and run in the future."*
>
> General Manager, Data Center Infrastructure

RESULTS

Through an Nlyte data center infrastructure management suite deployment on 25,000 racks, executives gained one-screen insight to this sprawling data center infrastructure, down to rack location and physical dimensions, as well as the systems running on them.

Using Nlyte's analytical tools, the client was able to immediately change how it used those assets. Instead of grouping individual servers according to business unit, under-utilized racks were paired with in-demand resources to allow for 24/7 optimization.

Not only did this allow the client to get more out of its existing infrastructure – and defer new capital investment – it allowed each data center to get the most out of its individual power constraints, as underutilized systems were deployed during off-hours to help those experiencing peak demand. In the client's words, the deployment was nothing short of "revolutionary" for how it viewed and operated its data center infrastructure.

Using Nlyte's capacity and forecasting tools, executives then looked toward the future. By leveraging immediate statement of capacity reports, executives began to understand where they were versus current and projected demand. Next month, next quarter and one-, three-, and five-year forecasting allowed them to view their entire data center infrastructure footprint from a strategic perspective, and conduct "what-if" analysis to enable informed consolidation, expansion and technology refresh decisions.

With plans to double or triple its data center infrastructure utilization in coming years, the client finally has a clear view into what it has, what it will need in the future, and how it can run these critical assets at peak efficiency to drive both profits and its competitive advantage in the marketplace.

> *" We are moving 800 assets per day with Nlyte and the number is expected to increase."*
>
> General Manager, Data Center Infrastructure

FOR MORE INFORMATION
- Contact Us: **info@nlyte.com**
- Visit Us: **www.nlyte.com**

About Nlyte Software

Nlyte Software is the world's leading software company focused on planning, managing and optimizing data centers. Nlyte Software enables enterprises to extend IT management software to include the physical layer with the logical and virtual layers of the data center, maximizing the financial benefits from the optimized utilization of assets, space and power. Nlyte's proven platform is used in the data centers of some of the largest and most valued companies in the world.