



BANKING INDUSTRY CASE STUDY

COMPANY

One of the world's largest banks with over 1 million square feet of data center space, 25,000 racks and 120,000 servers spread across North America, Europe and Asia-Pacific.

BUSINESS CHALLENGE

- Aging data center assets across multiple global locations
- Goal of replacing 15 percent of data center assets annually throughout a very large data center infrastructure footprint
- Need to see detailed information on asset location, age, dependencies, power requirements and connections globally on one screen
- Using an in-house, proprietary database to manage data center assets
- Technology refresh cycle missed due to inability to accurately track assets
- Increased warranty and power costs as inefficient, aged assets with higher failure rates stayed in current data centers longer

WHY NLYTE SOFTWARE

- Ability to view all data centers worldwide through a single Nlyte instance
- Deep experience with data center consolidations and mapping
- Proven ability to significantly reduce tech refresh time requirements
- Order allocation recommendations to map best placement of new resources
- Capability to see usage statistics to consolidate under-utilized assets

BENEFITS

- Nlyte deployment reduced server and storage tech refresh time by 35 percent
- \$6.1 million in annual savings due to faster refresh cycle
- Reduction in maintenance, warranty, power and cooling costs by deploying newer, more efficient equipment more quickly
- Delayed construction of new data center through asset consolidation
- Reduced asset failure, downtime and risk due to newer assets
- Experienced a quick, one-year payback period on its DCIM solution investment

“Our Nlyte deployment was the key tool that enabled us to finally get a comprehensive view into our asset allocations and infrastructure. Now, it's the central solution that drives everything we do in all of our data centers.”

Client Datacenter Manager



BUSINESS CHALLENGE

When this banking behemoth acquired a major Wall Street brokerage firm during the financial crises of 2008, it quickly started consolidating technology systems to ensure the success of the combined companies. Largely, that meant migrating the brokerage firm from its legacy solutions to those the bank had in place.

But when it came to data center infrastructure management (DCIM), the bank's IT team saw something it liked among the brokerage firm's systems: a single deployment of Nlyte software.

After evaluating what the solution had done for the brokerage firm's data centers, the bank's executives decided they had found a DCIM diamond in the rough. Instead of the brokerage firm migrating to the bank's solution, the IT team decided to deploy Nlyte throughout the bank's data centers instead.

The decision proved prescient, and couldn't have come at a more critical time. With over 1 million square feet of data center space housing 25,000 racks and 11 petabytes of data, the bank was facing a tremendous challenge managing its data center infrastructure.

Not only was it tracking disparate datacenters strung across the globe using a proprietary database, it was experiencing high failure rates because it couldn't replace aged equipment fast enough. The complexity of managing this sprawling infrastructure also meant the company was missing its tech refresh windows, adding to depreciation, maintenance, power and cooling costs.

RESULTS

After adopting the Nlyte Software data center infrastructure management suite for the entire enterprise, the bank started bringing its data centers up to date. It had an ambitious goal: to refresh 15 percent of its formidable data center footprint each year.

With the ability to see detailed information on asset location, age, dependencies, power requirements and connections on one screen, it was finally able to track and analyze what it had. Then, utilizing Nlyte's order allocation feature which automatically recommends where new assets should be placed in order to transition from old servers, the bank's tech refresh cycle was cut by 35 percent.

Reducing that refresh cycle had profound effects. Because it could replace old assets more quickly with newer, more efficient ones, its power and cooling costs decreased by \$2.45 million annually, while depreciation savings increased by \$2.05 million. Since it didn't have to buy extended warranties for aged equipment, the bank also saved \$2.45 million on maintenance costs. Those savings, amounting to \$6.1 million annually, paid for the bank's Nlyte deployment in just one year. As an added benefit, the new equipment translated into a lower failure rate, less downtime and decreased failure risk.

Finally, after identifying underutilized assets that could be consolidated, the firm delayed the need to capitalize a new data center by getting more out of what it already had.

FOR MORE INFORMATION

- Contact Us: info@nlyte.com
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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.