Organizations are investigating how to best leverage their information technology (IT) infrastructure to accelerate data center transformation into a private, public, hybrid, or full cloud environment. The challenge is to develop a plan to hyperscale your technology architecture to improve network visibility and performance, while scaling appropriately as user demand increases.

Your data center infrastructure management (DCIM) strategic initiative should include how to provide and add more resources to make the data center transformation a positive business differentiator. The DCIM plan would also define the way you use, store, and secure data in a private, public, hybrid, or full cloud environment, thereby allowing you to move faster in introducing new products and services, creating better user experiences, and minimizing operational issues.

Your company wants to stay competitive and evolve to keep up with the rapidly changing technologies in today's business world. Data center transformation enables you to keep pace with ever-increasing business demands by allowing you to evolve into an organization that is agile and service oriented. By modernizing your organization, you will be able to leverage private, public, hybrid, or full cloud solutions, at a minimum cost.

With data center transformation, businesses can integrate mobile devices, meet end-user expectations for anytime, anywhere access to personalized services, and support agile development processes to be more competitive and customer-centric.

NFF Approach to Data Center Transformation

Building a secure, high-performing cloud strategy requires a new approach to looking at infrastructure and operations. As a performance-focused integrator, NFF provides expertise, consulting, and solution design to transform data centers with a software-defined infrastructure. We'll deliver a solid transformation roadmap and a clear path forward, from strategy and consulting to implementation and managed services that provides you with greater agility, reliability, performance, and lower IT costs.

Looking To Solve:

- **Cloud Migration**
- **Application / Network Performance Issues**
- **Cybersecurity Threats**
- **Remote Workforce**
- **Ransomware**
- **Customer Support**
- **DDOS Attack Threats**

With a proven methodology, expert certified IT professionals, and managed services, we help you select, procure, implement, manage, and support the private, public, hybrid, or full cloud infrastructure best suited to your workload and business requirements.

Key elements of our methodology and capabilities include determining business requirements and their impact on the IT architecture framework and how to translate your organization's strategy into future IT requirements. The NFF approach can be summarized as follows:

Initial Assessment

NFF begins with understanding your business objectives and vision, ascertaining your risk and technology profile, and developing a gap analysis from your current capacity and utilization states.

NFF integrates business, risks, technology, and data center facilities strategic planning capabilities. Our delivery framework is based around a unique ability to create relevant elements that enable an integrated, predictable, and right-sized data center framework and cloud strategy over time.

Transitioning from traditional data center architectures to an application-centric architecture of the future requires careful management from application owners, infrastructure engineers, and information security specialists to be successful.

NFF involves you and your team in determining risk tolerances derived from each stakeholder. We assist you in removing the constraints of your existing facilities and help you rationalize your future facility needs versus IT needs and service objectives. This sets the stage for the manner in which IT and data centers are properly planned, built, and managed for the long term.

Future Model

The main objective of this stage is to develop the future demand model in terms of space, power, and cooling. From this, the future topology and the required resiliency for each data center facility under consideration can be established.

NFF has in-depth expertise in future data center and cloud strategic planning. Data center attributes include the understanding and development of reliability and availability requirements for IT architecture, infrastructure, and facilities. It is very important to understand how both the technology and facility infrastructures interact within the areas of risks tolerances, availability, and reliability requirements in order to properly develop the right-sized future data center and cloud operational models.

Based on our expertise and past experience, we can rationalize and predict the impact from risks, make technology recommendations for data center and cloud sourcing options, and assist in determining how the IT infrastructure and security environments are chosen, sized, and managed over time. The proposed data center and cloud solutions will enable high levels of predictability, agility, and manageability.

Proposed Transformation Roadmap

Understanding the model implications and possible consolidation and/or optimization savings over time are core components to enhancing your current and future data center and cloud capabilities. NFF will develop a proposed transformation roadmap with reviews of sourcing options, operating models, and migration strategies. The proposed roadmap contains cost modeling and return on investment (ROI) analysis for your future data center and cloud framework.

Professional Services

Data center transformation, consolidation, and migration projects often stretch a client's IT operations team. The proposed transformation roadmap will provide insight to the future architecture and engineering services requirements for fulfilling your data center and cloud strategy and to meet your business objectives. NFF has been providing data center and cloud services for over 25 years.

Result

Our customized data center and cloud roadmap helps ensure the resulting data delivery framework is highly effective and ensures the optimum IT network infrastructure, processes, and professional services capabilities are developed for your organization.