

Experienced. Reliable. Easy.



At the core of your environment is your data center. Responsible for housing your most critical data and systems, the data center's performance has broad impact across the organization. Platform Solution's Data Center Infrastructure Analysis will help you analyze the key components of your data center to evaluate the current data center environment, analyze the effect of cooling systems and review power sources for maximum efficiency. As a result, we will create a recommended plan of remediation to ensure your systems are running at optimal levels.

As part of our service, Platform Solutions will present the following deliverables: a Current Site Baseline Analysis, Capacity Analysis, Tier Level Analysis and Data Center Upgrade Analysis. With these analyses, you will have a comprehensive view of your data center's capabilities, risks and a roadmap for enhancements that can have a measurable and immediate impact of your facility's performance.

Current Site Baseline Analysis

Platform Solutions will conduct an analysis of the existing infrastructure of the data center to determine their suitability as consolidation hosts. For each facility the analysis will evaluate following infrastructural systems:

- Raised floor space
- HVAC
- Rack/Cabinet Layout
- Network Connectivity
- Power Distribution
- Cable Plant
- Fire Detection/Suppression
- Telecommunications Infrastructure
- UPS
- Physical Layout
- Physical Security

Each system will be evaluated in terms of capacity, quality and resiliency. Any deficiencies which impact a facility's suitability, such as single points of failure (SPF), will be highlighted and remediation actions will be recommended.

Capacity Analysis

A data center's principal capacities are determined by the amount space, power and cooling available in the facility. Any of these components can limit a data center's capacity, depending on the design of the facility and its anticipated use. The systems installed that determine these capacities are comprised of several sub systems. For instance, the High Volume Air Conditioning (HVAC) system, is comprised of chillers, Computer Room Air Conditioners (CRAC units), raised floor plenum, perforated tiles and return air plenum. Platform Solutions will analyze the data center to determine if any of these subcomponents are limiting the system's overall capacity and additionally the facility's overall capacity.

Tier Level Analysis

The Uptime Institute, the leading industry data center availability research organization, has established a tier rating system to categorize and describe data center architectures. Through field research, the Institute has determined the average availability of each tier level architecture. Platform Solutions utilizes this model to project the anticipated uptime of a data center. It also provides a basis to project a return on investment of infrastructure upgrade expenditures in terms of anticipated increases in uptime.

Data Center Upgrade Analysis

Upon determining the capacities, deficiencies and tier level of the data center, Platform Solutions will make recommendations on how best to increase the data center's tier level, and therefore its uptime availability. These recommendations will include budgetary costing for system upgrades and labor. This will provide a measure of return on investment based upon dollars expended per hour of uptime gained. With this measure, you can then make appropriate fiscal decisions to support your business needs.