

FNT

// simplify complexity



FNT Data Center Management

Infrastructure Planning and Management in Data Centers

Modern data center infrastructure is constantly evolving. Continuous expansion and updating creates hybrid environments, in which new technologies coexist with legacy systems. Overcoming this complexity to ensure optimum utilization of the data center requires a complete overview of all components and capacities.

Consistent, up-to-date, and valid data is crucial for data center management, enabling informed decision making about the use of resources.

In light of accelerating digital transformation, data center facilities need to house an increasing volume of diverse assets and provide services faster than ever. This is only possible if data centers have a coherent inventory management system that can be used to manage all the relevant resources, whether physical, logical, or virtual. FNT Data Center Management provides end-to-end transparency into all data center operations to enable such a system.

SINGLE AND CENTRAL REPOSITORY

FNT Data Center Management covers documentation, planning, and management of all data center resources and facilities throughout their entire life-cycle. It also makes it possible to manage warranty and SLA information and to assign ownership and use to devices. This complete overview of the system landscape enables managers to make informed decisions and the operations team to establish efficient processes.

READY FOR DIGITAL TRANSFORMATION

The solution enables management of all assets via a single, dynamically updating repository that is integrated into key systems. This not only gives data centers the information and tools needed to support the existing environment, it also allows them to use emerging technologies to drive digital transformation. This visibility forms the basis for agile operation and increasing automation.

CAPACITY AT A GLANCE

The solution offers a comprehensive selection of display and analysis options for all aspects of your data center. It allows an immediate overview of all relevant information about floor space, height units, weights, power consumption, and cooling data. This data is available for single or multiple data centers. Operators can use this information to predict how the site will develop, based on the trends recorded or on planned measures, and generate full historical data. 2D and 3D views of the rooms can be created to provide a visual overview of the physical space.

// USE CASES

INVENTORY & LIFECYCLE MANAGEMENT



Achieve complete transparency over data center inventory thanks to an integrated data model that can replicate all relevant objects in a single database.

- Detailed data on all physical and virtual assets
- Site information and a complete breakdown of the site
- Standard and user-defined reports
- Configurable dashboard views of inventory
- Links, dependencies and relationships
- Warranty and SLA information
- Information to track assets from planning to end of life
- Logbook and change history

CABLE & PATCH MANAGEMENT



Gain full control over operational procedures and access to all relevant information - key requirements for keeping network downtime to a minimum.

- Support for all kinds of infrastructures:
 - Cables, including patch cables, patch panels, junction boxes, splice trays
 - Outdoor infrastructure, such as standard ducts, micro-duct systems, trays, shafts
- Reports with impact assessments for the services affected by an outage
- Extensive end-to-end signal tracing across all devices and cables
- Optional GIS representation of trays and cable routes on the campus

CAPACITY MANAGEMENT



Optimize spending with detailed analysis and planning to ensure you only invest in expansion if you really need additional capacity.

- Be certain that data capacity, power supply, white space, and air conditioning meet the needs of users or clients
- Maximize utilization of existing resources and increase resource density
- Compare actual power consumption with planned power consumption and get time-dependent analysis of changes

CAPACITY OPTIMIZATION



Identify, rehabilitate, and repurpose unused capacity - one of the most cost-effective ways of boosting the performance of a data center.

- Identify unused capacity and possible capacity bottlenecks
- Reduce over-provisioning while guaranteeing safe operation and tier-level reliability
- Reduce energy costs and increase energy efficiency
- Maintain optimum operating conditions within the data center



Major Benefits of FNT Data Center Management



POWERFUL PLATFORM SOLUTION BASED ON STANDARD SOFTWARE

- A comprehensive data model with convenient configuration options
- A unique recording system for all resources within the data center



CENTRAL REPOSITORY

- Inventory management for data center resources over the entire lifecycle of the devices
- Clear, precise, end-to-end view of all objects and relationships



ENHANCED VISIBILITY

- Full transparency into all passive system resources, both internally and externally
- Schematic views together with optional GIS-based graphic network visualization
- Greater efficiency in day-to-day operations, supported by end-to-end signal tracing



OPTIMIZED USE OF ALL SYSTEMS

- Better management of infrastructure capacity and available resources
- Reduction in investment costs



IMPROVED OPERATION AND SUPPORT FOR OPERATIONAL TEAM

- Consistent network documentation and planning, supported by automatic routing
- Integrated workflow functions support processing and facilitate everyday routine tasks
- Faster impact analysis
- Reduced fault repair times, leading to higher customer satisfaction
- Optimized costs and process times
- Reduced operating costs



REPORTING & ANALYTICS

- Key performance indicators (KPIs), including historic changes
- Detailed status and performance data showing users and customers
- Powerful analysis functions and graphical reports for a better understanding of overall capacity utilization and growth
- Tailored information for all users



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