



// when transparency matters.



- Read access to data center information in FNT Command
- 3D footprint view and capacity analysis
- Capacity data including date-specific values
- Search and query functions
- Diagrams and dashboards



// FNT Command Data Center Client

Keep a close watch on every aspect of your data center: power, climate, floor space, and weight

Data centers are among the most expensive and fastest-growing areas in modern organizations and businesses. To develop and operate a resource-efficient data center, it is essential to have a detailed overview of your current and planned utilization of space, power, and climate control systems, as well as the weight of all installed components.

It's also extremely important that all operational and planning-related data for the facility is available at all times in the form required by the relevant users and groups. The data center manager, for example, needs an overview of key metrics, while in the case of more detailed planning measures, planners require a 3D view of both the current and planned status of individual rooms or racks. When it comes to installing or modifying devices, access to device-specific data and parameters is necessary.

FNT Command Data Center Client

FNT Command Data Center Client complements the existing core DCIM modules for FNT Command, adding read access for users who need to view current capacity information and data,

but who do not produce documentation, make changes, or engage in planning. It also provides simple and cost-effective access to all data (including planning information) in the following modules: FNT Command Data Center Cockpit, FNT Command Power Management, and FNT Command Aircon. As a result, FNT Command Data Center Client offers a wide range of display and analysis options for the entire facility, while providing an immediate overview of all important data relating to power, climate, floor space, and weight.

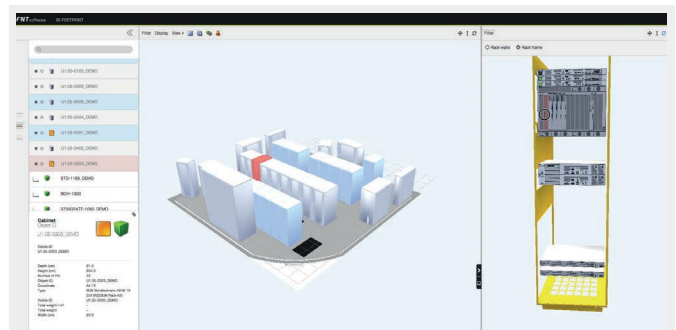


Fig. 1: 3D footprint with rack view and technical data

All information on power loads, climate status, floor space usage, and weight loads is presented clearly in graphical and tabular form and supplemented with reports on power consumers. In addition, it's possible to view data center rooms in both 2D and 3D footprint view and to connect optional external DCIM dashboards.

The integrated 3D footprint view is a powerful tool that provides facility managers with a fast and comprehensive three-dimensional overview of current and planned conditions within the data center. In addition to a photorealistic display of all devices and racks along with the relevant technical data, the 3D footprint view enables fast graphical analysis of all current and planned capacities within the facility.

Other FNT Command Data Center Client features include the integrated viewer license, enabling optional access by external solutions to data stored in FNT Command as well as connectivity with DCIM dashboards.

In summary, the FNT Command Data Center Client module provides full read access to all relevant information about your data center. In this respect, it is similar to the FNT Command Viewer module for the base packages FNT Command C base and FNT Command C line.

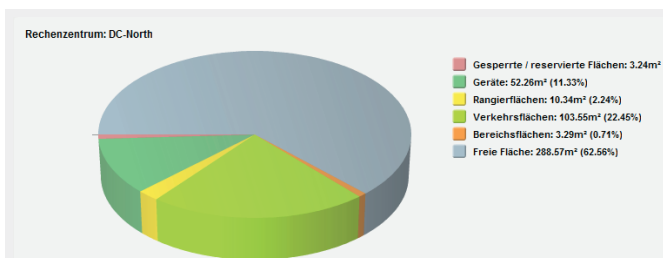


Fig. 2: Overview of data center capacity in the form of a pie chart

Capacity, Forecasts, and Historization

The integrated load diagrams display all spare capacities for selected rooms or data centers. With just a few clicks, you can create diagrams showing power consumption, climate status, and floor space usage, as well as pie charts with the relative percentages for the various categories of space, i.e., occupied with device, unoccupied, maneuvering, traffic, and blocked. The current and planned utilization and power consumption for individual rooms is presented in the form of bar charts.

Thanks to the extensive planning functionality in FNT Command, the system can access all the necessary current and plan data to enable a unique calculation and visualization of future development of the data center. As well as creating predictions based on planned installations or changes in the data center, you can generate trend analyses using historization data. The information presented for the selected rooms includes power consumption (in kVA), thermal load (in BTU/h), and weight.

Footprints and integrated capacity analysis

“Footprints” are 2D or 3D graphical representations of the entire data center or selected zones therein. A layer function enables you to show or hide different object and utilization categories, e.g., device types, floor space usage, or weight loads. If preset threshold values are reached or exceeded, the problem areas will be highlighted in color.

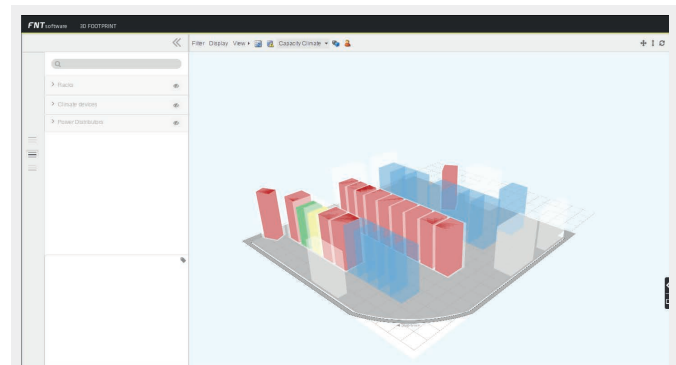


Fig. 3: 3D footprint view of climate capacity utilization in FNT Command Data Center Client

You can display and analyze spaces within the data center as a 2D diagram or special 3D footprint view. In addition to the 3D footprint with its realistic perspective, it is possible to display rooms using a number of other predefined views and navigate freely through them. You can also show and hide individual elements and view capacity information at the rack level. As a result, all users can quickly analyze and evaluate capacities within the data center according to a range of criteria, e.g., climate, weight loads, and rack density.

The ability to navigate freely enables users to “walk through” a photorealistic 3D model of the entire data center, obtain an overview of its current status, and view information for individual devices “in situ.”

System Requirements

The FNT Command C base module (version 9.5 or above) and FNT Command Data Center Cockpit are required in order to use FNT Command Data Center Client.