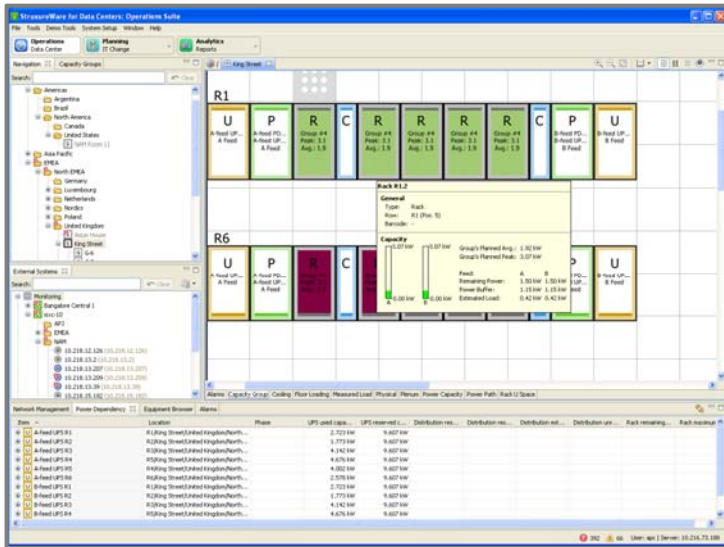




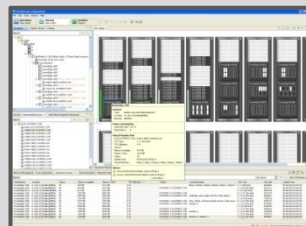
Data Center Operation: Capacity

Simulation, planning, and optimization of infrastructure capacities to right-size the data center



Planning and optimizing utilization of actual physical infrastructure capacities via shared data center model, enabling efficient equipment provisioning and right-sizing of your data center

Virtual environment integrations between StruxureWare Data Center Operation and VMware and Microsoft System Center Virtual Machine Manager.



The integrations provide insight into how virtual machines relate to physical servers and their location, automatically migrating virtual machines to secure host environments from faulty infrastructure enabling customers to maintain Service Level Agreements and view and manage network health.

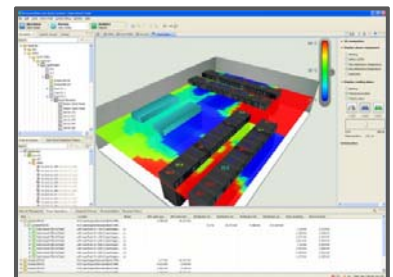
Data Center Infrastructure Management Application for StruxureWare Data Center Operation

Data Center Operation: Capacity predicts the optimal location for physical infrastructure and rack-based IT equipment based on the availability and capacity requirements; and user defined requirements such as redundancy, network and business use grouping.

> It reduces stranded capacity through optimized use of the physical infrastructure and avoids unplanned downtime.

> With its sophisticated simulation based on live data, Data Center Operation: Capacity proactively analyzes the impact of changes before they occur, enabling informed decision making and planning, ensuring that your physical infrastructure provides the required capacity for current and future needs.

> Data Center Operation: Capacity calculates the airflow and temperature inside the data center and displays it in a modern 3D view making it easier to locate hot spots.



Features & Benefits

Predictable Planning	Benefits
IT equipment guidance	Instant server placement recommendation through real-time analysis of available data center capacity, including power, cooling, u-space, network and power ports, capacity strategies, weight limits and more.
Infrastructure failure to IT impact	Critical events are translated into server impact analysis, and virtual machines at risk are automatically migrated to healthy hosts.
Simulation of device failures	Enables data center operators to proactively identify how a device failure will impact business critical applications.
Business impact	Shows the consequence of device failure on data center infrastructure equipment for instant identification of critical business application impacts.
3-phase load balancing	Automatically distribute and track single and three-phase equipment power draw from UPS power supply, through distribution down to server and blade level, ensuring all three phases on the power system carry a balanced load.
3D airflow analysis	Simulate any cooling scenario in your data center, instantly visualizing the cooling effect on your infrastructure for easy identification of overcooling and hotspots.
Power dependency path	Map the power path and physical system relationships and dependencies, providing detailed overview of electrical distribution and phase balancing.
Scenario analysis	Try out future data center changes and view the impact, without making any changes to their live StruxureWare Operation application.
Vendor neutral	Allows for modeling equipment and data from any vendor, providing support for existing data center environments.
Capacity Analysis	Benefits
Live dashboard	Gain transparency to data center key performance indicators through easily configured web dashboards, displaying customizable management-level information.
Available capacity	Global view of available capacity within an organizational context, providing an instant calculation of actual space, power and cooling consumption, power and network port availability and floor and rack weight limits against overall data center capacity constraints.
Measured power data	Prevent overloads through graphical display of average and peak power usage by measuring actual consumption through metered rack PDUs and branch circuit monitoring.
Keyword tagging	Highlight location constraints through keyword tagging of data center racks or equipment, for both technical and business-level categorization of assets,
Capacity policies	Group IT equipment to match availability needs and avoid stranded capacity
Global asset search	Quickly locate assets through free text search and export equipment data to excel format.
Reporting Capabilities	Benefits
Capacity reports	Shows planned and actual power data in one view, enabling detailed planning of future power needs
U-space report	Provides a quick overview of available U-space within your data center

Prerequisite:

StruxureWare Data Center Operation

Product Module Options:

Data Center Operation: Capacity
 Data Center Operation: Change
 Data Center Operation: IT Optimize
 Data Center Operation: Energy Efficiency
 Data Center Operation: Energy Cost
 Data Center Operation: Insight

Enhancement Options:

Data Center Operation: VIZOR
 Data Center Operation: Mobile
 Data Center Operation: Dashboard

Data Center Monitoring Option:

StruxureWare Data Center Expert

For further information, please visit:

www.apc.com/software