Quest

Foglight Capacity Director

Complete virtual infrastructure capacity lifecycle management

Virtual capacity management is an ongoing — and growing — challenge for IT professionals. Studies show that 62 percent of IT decision-makers are concerned about their ability to manage current capacity or plan for future capacity requirements*. Estimating capacity needs based on average or peak demand may work as a baseline, but as the complexity of your virtual environment grows, the accuracy of this type of forecasting diminishes. To accurately predict future requirements, you need a deep understanding of current and past resource utilization, as well as the ability to see the impact of planned changes to your IT environment.
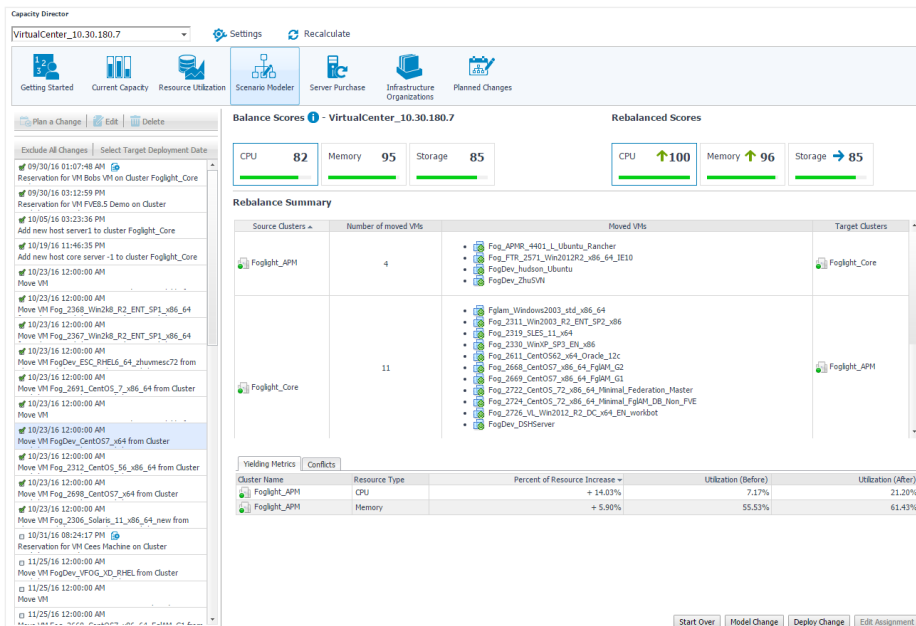
Foglight Capacity Director manages all four stages of your capacity lifecycle — planning, allocation, optimization and maintenance — enabling you to:

- Eliminate performance issues while getting the visibility you need to plan and budget with confidence.

- Gain deep insight into your environment, including the availability and estimated time left for CPU, memory, storage, and input/output operations per second (IOPs).

- Use historical trends to better forecast resource requirements for clusters, hosts and workloads — and proactively predict and budget for capital expenditures.

> 62% of IT decision-makers are concerned about their ability to manage current capacity or plan for future capacity requirements.

BENEFITS:

- Get deep insight into currently available resources, to quickly identify potential bottlenecks.

- Model workload changes to see potential impacts before taking action.

- Automatically or manually rebalance clusters and workloads for optimal VM distribution.

- View remaining capacity and time for CPU, memory, storage, and IOPs to plan and budget for future.

- Optimize workloads to improve performance and save on costs.

- See which clusters can accommodate additional VMs, and determine how many additional resources will fit.

- Deploy and decommission VMs with the click of a button.

- Track and forecast resource consumption and trends using real-time and historical data.

Use the Scenario Modeler to determine optimal infrastructure changes.

- Optimize resource utilization and reduce operational expenses by rebalancing the distribution of clusters and workloads.

- Model your infrastructure changes – add, move, or remove clusters, hosts and virtual machines (VMs) – before deployment to avoid bottlenecks and performance issues or hitting capacity limits.

FEATURE HIGHLIGHTS

Capacity planning – Calculate the remaining capacity and time for CPU, memory, storage and IOPs, to see which clusters can accommodate additional VMs, and determine how many additional resources will fit. Forecast the number of servers that you'll need in the future, based on either your organic rate of growth or on planned future changes.

Capacity allocation – Model and manage your infrastructure changes – add, move, or remove clusters, hosts and VMs – before deployment. Visualize the impact of future workload changes on your IT environment, and deploy and decommission VMs.

Capacity optimization – Automatically or manually rebalance clusters and workloads for optimal VM distribution to improve performance and save on costs.

Capacity maintenance – View your currently available resources, track and forecast resource consumption using real-time and historical data, identify potential bottlenecks and take actions to remediate issues.

Storage capacity management – Extend and expand insight into your overall IT capacity requirements with Foglight for Storage Management. Designed to integrate with Foglight for Virtualization, Enterprise Edition, Foglight for Storage Management provides deep insight into your underlying storage, enabling you to determine whether VM performance issues are originating in the host, fabric, or storage array, see how your storage capacity is impacting VM performance, and analyze your storage consumption patterns to estimate when available capacity will be depleted, so you can proactively plan new disk purchases.

ABOUT QUEST

Quest helps our customers reduce tedious administration tasks so they can focus on the innovation necessary for their businesses to grow. Quest® solutions are scalable, affordable and simple-to-use, and they deliver unmatched efficiency and productivity. Combined with Quest's invitation to the global community to be a part of its innovation, as well as our firm commitment to ensuring customer satisfaction, Quest will continue to accelerate the delivery of the most comprehensive solutions for Azure cloud management, SaaS, security, workforce mobility and data-driven insight.

SYSTEM REQUIREMENTS

SOFTWARE

Foglight for Virtualization, Enterprise Edition 8.5

HARDWARE

4 vCPUs

10GB of memory

120GB of disk storage

PLATFORM SUPPORT

VMware: vCenter Server

5.5, vSphere up to version 6.0

From 2015 Forrester Research "The Case for Virtual Capacity Management" report, a Custom Technology Adoption Profile Commissioned By Quest

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