CA Capacity Manager

At a Glance

CA Capacity Manager, part of the CA Capacity Management solution, provides prescriptive insight to help you make smarter IT investment decisions and clearly communicate the cost and value of IT to stakeholders across the enterprise. Designed to help you optimize infrastructure, meet SLAs and reduce capital and operating expenses, CA Capacity Manager delivers advanced scalability and capacity analysis with end-to-end, cross-enterprise support.

Business Challenges

As organizations depend more on IT to run their business, it is critical to deliver on the performance of key business services, especially those that are customer or partner facing. Often, poor service performance is related to increased demand for services as well as the result of not understanding and proactively managing computing capacity needs as they change over time. Previously, IT worked around this by over provisioning infrastructure for peak demand, but this is a very costly way to manage a data center.

To effectively manage the performance of today’s data centers you must be able to:

- Prevent performance problems caused by increased demand for IT services.
- Communicate to the business how business growth will impact infrastructure utilization.
- Determine infrastructure capacity required for business and service growth scenarios.

Solution Overview

Mainframe-to-cloud capacity planning. CA Capacity Manager includes an extensive model library that covers the vast majority of available computing solutions on the market. Users can determine performance, capacity and response time impacts as a result of changing workloads, configurations and platforms. This includes numerous public cloud vendors alongside traditional virtualization environments and hardware/OS environments, ranging from Microsoft® Windows, Linux® on Intel or AMD to z/OS on the mainframe. In addition, an open XML format enables distributed teams to share their insights among team members or business units, making it easier for groups to work together to ensure the overall success of IT and business initiatives.

Decision support for IT investments. CA Capacity Manager can provide insight into the right level of infrastructure investment. The solution provides insights to help you compare and contrast vendor alternatives with ease and to determine which infrastructure meets service levels at the best cost. In addition, Capacity Manager enables you to keep risk at a minimum by ensuring acceptable end-user response times and identifying performance bottle necks while providing cost effective recommendations to correct them.
CA Capacity Manager provides insight into future business changes and their impact on your critical application environments.

Full virtualization, consolidation and cost mitigation support. As over provisioning resources and low data center utilization levels continue, CA Capacity Manager can help you identify opportunities for consolidation or virtualization, maximize VM saturation and realize significant cost savings. Furthermore, it can reveal how applications might behave after the migration to virtualization, enabling you to make changes with confidence.

Infrastructure planning and management. CA Capacity Manager provides prescriptive insight into infrastructure to help optimize your IT operations. It supports ongoing planning in virtualized and physical environments to help ensure your systems will perform in the face of constant change. It includes capabilities to plan new enterprise application deployments and to design disaster recovery and high-availability environments. With broad integration support for many performance monitoring solutions, you can expect to achieve greater data center efficiency, higher utilization rates and even more accurate predictions on application performance.

Performance data insight. Your current performance monitoring data can supply long-term value when used to model future performance. CA Capacity Manager enables you to use the data you already collect to create an accurate simulation of your applications and infrastructure and make virtual changes to it without risk to your production systems. It provides close to 150 mainframe models to expand what-if analysis capabilities in support of end-to-end capacity modeling of business services and applications.

Interactive reporting. Once your model is created, CA Capacity Manager enables you to produce compelling reports that empower both technical users and business executives to quickly evaluate options and scenarios and to make accurate business decisions. An open interface enables you to integrate results with any reporting application, enterprise dashboard or intranet.

Related Products and Solutions
- CA Virtual Placement Manager. Prescriptions for workload assignments and virtual machine right-sizing
- CA Current Capacity Reporter. Consumption and utilization reporting
- CA Capacity Command Center. Capacity dashboard and automated resource scoring
- CA Performance Optimizer. Powerful modeling engine simulation for deep, detailed analysis

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