NetIQ Cloud Manager: The Fastest, Easiest Way to Build and Manage your Cloud

SOLUTION

Workload Management

PRODUCT

NetIQ® Cloud Manager

"NetIQ Cloud Manager provides all needed capabilities to deliver enterprise grade cloud services."

BR Pasi Sutinen
Technical Director,
Tieto

NetIQ Cloud Manager lets you build a cloud environment using the virtualization technologies you already own and use in your data center today.

Pressure to deliver IT services faster and more efficiently has never been greater. End users can download and install apps from an online app store or market in seconds, and they wonder why deploying corporate IT services is so much more complex and takes so much longer. Application teams need an infrastructure that is available on-demand and ready to scale up or down with a moment's notice. And business leaders want new IT services implemented quickly so business benefits can be realized faster.

Infrastructure as a Service (IaaS) isn't just a buzzword; it's a more efficient, collaborative and cost-effective way of delivering IT services. NetIQ® Cloud Manager transforms virtualized data center infrastructures into true service-based cloud computing environments—private, public or hybrid. Built to operate with the VMware, Microsoft Hyper-V, KVM or Xen virtual host servers you already own, NetIQ Cloud Manager creates and manages a cloud environment that delivers on the promise of utility computing by provisioning workloads on demand in a secure and compliant manner.

Traditional virtualization solutions once thought to be the solution to such problems as limited data center space, under-utilized servers, and runaway power and cooling costs have created almost as many problems as they solve. The promise of an agile, cheap and flexible virtual infrastructure has been replaced with the realities of service level agreement (SLA) challenges and virtual machine sprawl, with far too many bloated virtual machines allocated with far more resources than they need.

NetIQ Cloud Manager brings business and technical stakeholders together in a single interface, to collaboratively manage the entire IaaS experience—from initial business service requests to deployment to eventual retirement—faster and more efficiently, while aligning IT assets to business priorities.

With NetIQ Cloud Manager you can dramatically accelerate service delivery by building a secure, compliant cloud computing environment on top of the virtual infrastructure and resources you have today. Architected from the ground up for massive scalability, NetIQ Cloud Manager is the perfect solution for enterprises and service providers of any size.
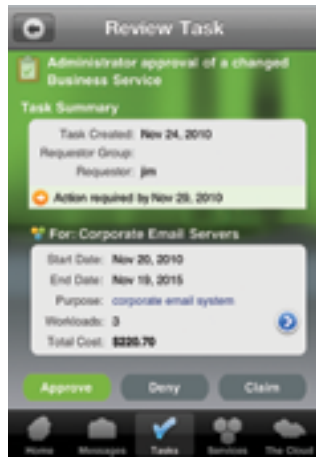
Workload Provisioning

NetIQ Cloud Manager fully automates the process of provisioning new workloads. With the request and approval workflow integrated right into the product interface, NetIQ Cloud Manager brings business and technical users together to keep the workflow moving. For many organizations, the workload provisioning process is a black box. The request goes in, and then days, weeks, or even months later, the workload is provisioned—or perhaps denied. NetIQ Cloud Manager opens up this process, establishing a transparent workflow that ensures visibility every step of the way, from initial request until the workload has been deployed. And the ability to delegate responsibilities means that processes don't grind to a halt during vacations or unexpected absences.

NetIQ Cloud Manager automatically creates and deploys workloads into the virtual environment based on a service catalog of predefined workload templates. Template-based provisioning standardizes workloads with the corporate service catalog and ensures adherence to corporate policy. If necessary, customized configuration changes, such as increased memory or disk space, can be made at the time of the request. NetIQ Cloud Manager can determine the optimal location to deploy the new workload, or administrators can select from appropriate available virtual resources across production and staging environments.

Provides a Secure Self-service Request Portal

NetIQ Cloud Manager features a configurable self-service request portal that customizes itself based on the user's profile. This portal reduces the complexity of the service "shopping" experience, which in turn reduces support incidents. IT administrators can predetermine which workload templates individuals or groups can select from the catalog and whether they can modify the base templates. The portal interface dynamically displays available configuration options, ensuring that all workload requests are standardized and aligned with IT policy and security privileges.

Controls Virtual Sprawl with Cost Visibility

One of the main benefits of virtualization also creates one of the most significant challenges. When virtual machines are effectively free and can be created almost instantly, demand for virtual machines can quickly consume all of an organization's available capacity. By reintroducing the concept of cost, NetIQ Cloud Manager gives cloud administrators the power to expose the real price of workloads, resources and service levels and allows business service owners to select and pay for only what they really need.

With NetIQ Cloud Manager, costs can be linked to nearly all items that are relevant to a business service: workloads, associated resources (virtual CPUs, memory, virtual network cards and disk space) and service levels. And when things change, as they almost always do, NetIQ Cloud Manager lets you add or remove resources from workloads. Adding resources to heavily used and under-performing workloads allows users to increase the performance of workloads that need it; subtracting resources from underused workloads lowers the cost of workloads that no longer require the resources initially deployed, and allows those resources to be redeployed elsewhere.

Access Anywhere, Anytime

Manage your entire cloud environment—including business services, workloads and resources—right from your iPhone or iPad using the exclusive NetIQ Cloud Manager mobile app. The NetIQ Cloud Manager mobile app is a powerful mobile client for NetIQ Cloud Manager. It lets you manage your entire cloud environment—including business services, workloads and resources—from a single intuitive mobile interface. Once you log in, a customized dashboard specific to your user role is displayed, and virtually every task and action from the web browser client is available.

From the NetIQ Cloud Manager mobile app, you can copy, configure, update and delete workloads. You can also generate reports and even manage user and business groups, workload templates, and service levels. Most importantly, you can actually manage and act on business service requests. Access to virtually every feature of NetIQ Cloud Manager in a mobile app means your team can be more agile and responsive to users than ever before.

Purges Unused and Expired Virtual Machines

Many types of virtual machines, especially those used for evaluation, test and development purposes, are temporary by nature. Many organizations have dozens or hundreds of unused virtual machines, each of which still consumes valuable allocations of CPU, memory and disk resources. NetIQ Cloud Manager prevents these workloads from permanently clogging up the virtual farm with built-in expiration dates and allows you to purge expired virtual machines to reclaim and redeploy their resources.

Integrates with Best-in-Class Security and Business Service Management

- A built-in connector to NetIQ Sentinel™ allows security managers to correlate events coming from NetIQ Cloud Manager with other events that are detected in the cloud or any other Sentinel-aware location.

- NetIQ Cloud Manager integrates with NetIQ Operations Center to deliver unmatched visibility into business efficiency. Forecast business needs with more accuracy so you can reduce future costs and make the most of your current investments.

- Or you can use the NetIQ Cloud Manager REST API and call-out mechanism to build deep integration with your own existing systems.

Supported Environments

Hypervisors

- VMware vSphere 5 (managed via vCenter)
- VMware vSphere 4/ESX 4/ESXi 4 (managed via vCenter)
- Windows Server 2008 R2 Hyper-V
- Citrix XenServer
- Xen (as part of SUSE® Linux Enterprise Server 10 or 11)
- KVM (as part of SUSE Linux Enterprise Server 11)

Workloads

- Windows Server 2008
- Windows Server 2003
- SUSE Linux Enterprise Server 11
- SUSE Linux Enterprise Server 10
- Red Hat Enterprise Linux 6
- Red Hat Enterprise Linux 5

System Requirements

- Recommended Requirements:
  - Cloud Manager Application Server: 40 GB disk space, 6 GB RAM, 2 Pentium-class CPU cores*
  - Cloud Manager Orchestration Server: 80 GB disk space, 6 GB RAM, 4 Pentium-class CPU cores*

- Client Access:
  - Internet Explore 9 (or higher)
  - Mozilla Firefox 7 (or higher)
  - iPhone, iPod Touch, or iPad with iOS 5.0 (or higher)

Two virtual cores (vcores) if installed as a virtual machine (VM).

Note: Specifications subject to change without notice.

To learn more about NetIQ Cloud Manager, or to start a trial, go to **www.netiq.com/cloudmanager**.

NetIQ.