Citrix CloudPlatform

Simplify and optimize cloud management by enhancing operational efficiencies, agility and flexibility.
Simplify and optimize cloud management by enhancing operational efficiencies, agility and flexibility. Citrix CloudPlatform is the industry’s only future-proofed, application-centric cloud solution proven to reliably orchestrate and provision desktop (and traditional scale-up enterprise applications), web (scale-out cloud-native applications) and datacenter infrastructure workloads within a single unified cloud management platform. This turnkey solution is an agile, flexible, efficient and open cloud orchestration and provisioning platform that allows you to leverage existing virtualization and hardware investments, and is trusted to power the world’s leading clouds.

CloudPlatform benefits:
- Simple, turnkey cloud orchestration
- Mature and proven at scale
- Application-centric cloud orchestration
- Best Enterprise cloud foundation
- Cloud scalability and efficiency
- Agile, flexible, efficient and open architecture

CloudPlatform™ combines the best private cloud foundation for enterprise application workloads, like CRM and ERP with true cloud scale, elasticity and operational efficiency for the new generation of cloud-native application workloads, like social applications, big data and high-performance computing (HPC). This mature solution has been proven in over 250 production deployments and scales to over 40,000 servers per (Amazon-style) region.

CloudPlatform is unique in its ability to support both traditional scale-up and cloud-native scale-out application workloads in a single orchestration platform. It gives IT the flexibility to meet the scalability, architecture and infrastructure requirements of any application. For traditional enterprise applications running on proprietary infrastructure, CloudPlatform supports scalability to tens of thousands of users. For cloud-native apps and services running on commodity infrastructure, CloudPlatform supports scalability to millions of users and provides resilience for architectures designed to assume failure.

Typical use cases for CloudPlatform include:
- Service Providers that want to offer public, private and hybrid Infrastructure-as-a-Service clouds.
- Enterprises that want faster, more agile and efficient management and operations of XenDesktop and XenApp environments by leveraging cloud-based workload provisioning, or to stage development, testing and production in a consistent way, easing the development and publishing processes for applications.
- Webscale companies deploying scalable, elastic web infrastructure and apps that can adapt to the demand of their visitors.
- Software-as-a-Service (SaaS) providers looking to offer true multi-tenant software hosting while securing each user’s environment.

CloudPlatform is a foundation on which datacenter operators can quickly and easily build cloud services within their existing infrastructure to offer on-demand, elastic cloud services. CloudPlatform simplifies the implementation of clouds by abstracting the network, storage and compute nodes that make up a datacenter and enables them to be
Product Overview

“One of the cool things about CloudPlatform was the ability to have different cloud models without having different products or architectures.”

Ed Laczynski
VP of Cloud Strategy and Architecture, Datapipe

“I can leverage all my existing investments and not get cornered into an evolving market that is very difficult to keep up with.”

Peter Lopez
Systems Architect, Disney Interactive Studios

“We had more than 90 different IT units spread around our main campus. When cloud technology came into play it enabled us for the first time to guarantee a level of quality throughout the university.”

Professor Luiz Natal Rossi
IT Department Director
University of Sao Paulo

CloudPlatform delivered as simple-to-manage, scalable cloud infrastructure. Users can take full advantage of cloud services to achieve higher efficiency, limitless scale and faster deployment of products and services.

Key features
Simple, turnkey cloud orchestration
CloudPlatform is the industry’s only application-centric, cloud orchestration platform that enables you to quickly and efficiently build a future-proofed cloud. It is a turnkey solution based on an open, agile, efficient and flexible architecture that is designed to run every workload (desktop, web, traditional enterprise and 3D graphics) at scale and with simplicity. CloudPlatform makes it easy to manage your entire cloud through a rich user interface and a scalable, centralized management server. Users can request resources through a menu-driven web interface, and administrators can use an enhanced version of the web interface, interact with the RESTful API or the command line interface (CLI).

Deliver every workload
Future-proof your cloud by orchestrating every application workload—traditional enterprise, cloud-native, desktop and 3D graphics—from the only application-centric cloud platform so you can address the requirements of today and tomorrow. Its hardware agnostic approach lets you leverage existing investments and lets you choose virtualization, storage and networking solutions. CloudPlatform supports the leading commercially supported hypervisors including Citrix XenServer, Microsoft Hyper-V, VMware vSphere and KVM, as well as bare metal servers, all from a single cloud. CloudPlatform is also storage agnostic, supporting block, file and object storage irrespective of the storage technologies and protocols underneath. Customers have complete freedom to choose the right infrastructure components for their applications and workloads, instead of being locked into technology from one single vendor.

Enterprise class multi-tenancy and workload encapsulation
Run complex enterprise application workloads with best-in-class virtualization and networking. CloudPlatform delivers true private cloud isolation, ensures SLA levels, meters usage and availability for running mission critical workloads in the cloud. Cloud infrastructure layers—zones, pods, clusters and hosts—and virtual machine resources—CPU, memory, storage and network—can be granularly grouped into different isolated logical partitions for true multi-tenant cloud deployments. Organizations can meet enterprise networking requirements for architecture, scale, SLAs, load balancing and firewalls through direct integration with enterprise class Application Delivery Controllers and networking devices including Citrix® NetScaler®, F5, Cisco, and VMware Distributed Virtual Switch. Requirements for compliance, security and performance can easily be achieved for even the most demanding workloads.

Cloud-native scalability and operations
Designed for the new generation of scale-out cloud-native application workloads, CloudPlatform delivers Amazon-like availability, storage and networking. Proven at over 40,000 hosts per AWS-style region - and supporting multiple regions per system, CloudPlatform provides true cloud scalability, elasticity and management efficiency. Organizations can create AWS-style availability regions that can consist of multiple application-centric availability zones and datacenters for increased scalability, availability and lower latency. Cloud-native workloads that require object storage can easily run on CloudPlatform and have transparent access to storage across regions. Cloud operators can create advanced cloud networking configurations and Network-as-a-Service offerings including
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comprehensive portable IP capabilities, advanced load balancing with GSLB, AWS-like Health Checks to ensure application availability, dedicated network resources and VLANs. When used in conjunction with Citrix NetScaler, gain predictable performance with automated scalability.

Agile, efficient, flexible and open cloud architecture

CloudPlatform is powered by Apache CloudStack®, a community-led open source cloud orchestration project that is backed by community members and partners. The open architecture and framework supports a broad ecosystem of partners that build complimentary and value-added cloud solutions and services. Industry-standard APIs compatible with Apache CloudStack, as well as Amazon Web Services APIs, enable CloudPlatform powered clouds to interface with third-parties for value-add solutions like PaaS, Monitoring, Capacity Management and hybrid clouds.

Experience Citrix CloudPlatform and see how easy it is to get started by downloading the no fee trial software: citrix.com/cloudplatform.

“ I think that every government has to go to the cloud, a secure cloud, to reduce the cost. For the taxpayers we reduced the cost, our cost that has to be paid by the customers, in the past five years by about 10 million euros.”

William Schmitt
CEO
KIVBF

About Citrix

Citrix (NASDAQ:CTXS) is leading the transition to software-defining the workplace, uniting virtualization, mobility management, networking and SaaS solutions to enable new ways for businesses and people to work better. Citrix solutions power business mobility through secure, mobile workspaces that provide people with instant access to apps, desktops, data and communications on any device, over any network and cloud. With annual revenue in 2014 of $3.14 billion, Citrix solutions are in use at more than 330,000 organizations and by over 100 million users globally. Learn more at www.citrix.com.

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