

NxtGen Enterprise Cloud Services

NxtGen CDN NxtGen Enterprise Cloud Services (ECS) provides the best of both worlds, On-demand scalability and pay-per-use model of a cloud without moving your data and applications out of your premise. The architecture is pioneered by NxtGen incorporating technologies from industry leaders, thereby enabling excellence in performance, security and availability.

NxtGen Enterprise Cloud Services enables seamless growth for companies by avoiding IT infrastructure lock-in. NxtGen delivers business value by providing a hybrid model which encapsulates delivering full range of DataCenter & cloud services to enterprises by deploying the cloud at customer premises which is managed centrally.

NxtGen ECS Highlights:

Simplicity and Efficiency

- Single Control panel to enable provisioning of all NxtGen ECS services: Virtual Machines, Storage, Load balancers, Firewall, CDN. Fully manageable via web/mobile app
- Fully customisable software defined cloud stack to suit specific requirements
- Start/stop services and add additional resources as you need, on demand- Infinite Datacenter

Flexibility

- Provision services across availability zones- Create your own virtual datacenter
- Choose resources at a granular level, for your exact needs
- Resources billed hourly based on consumption
- Supports hybrid deployments, with option of burstable resources

Architected for Performance

- Next Generation software defined cloud architecture with all flash storage as standard. Optimised for Performance

Integration APIs

- RESTful JSON and xml API for all cloud management functionality

Wide choice of availability/location zones

- Multiple availability zones: Bangalore(2), Mumbai(2), Delhi NCR(2), Ahmedabad, Jaipur, Ludhiana
- International PoP in Singapore with additional 55 locations worldwide through federation
- Group/aggregate resources to create services based on location including On-Premise
- Create virtual private clouds and availability zones

Highly resilient

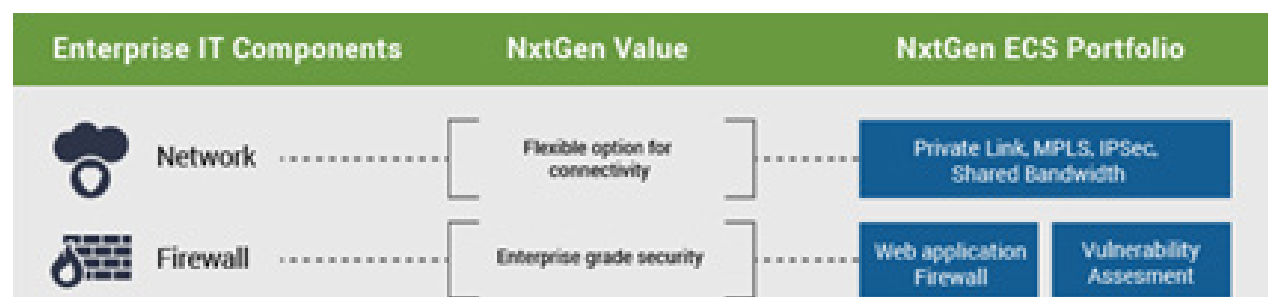
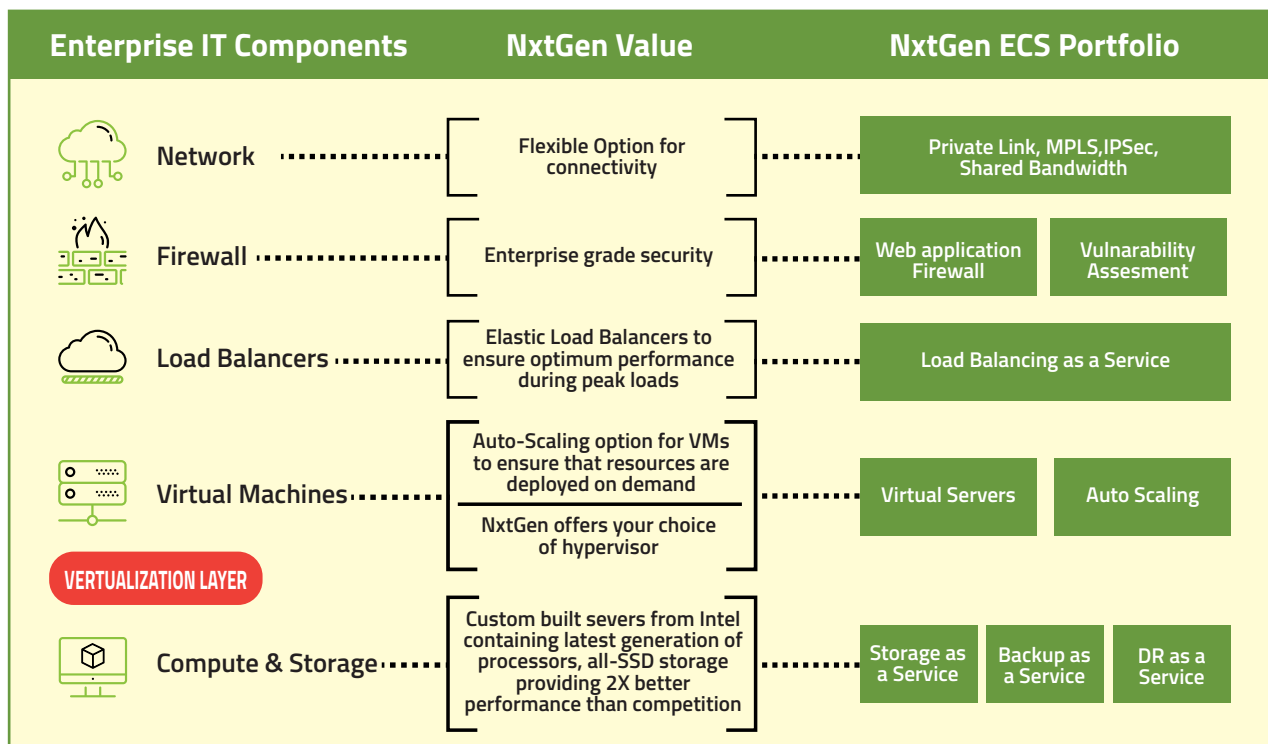
- NxtGen cloud is self-healing and resilient.
- Failover starts automatically if a physical server becomes unresponsive
- Virtual servers and smart servers migrate to a healthy server on cloud

Autoscaling and load balancing

- Automatic load balancing of selected virtual servers
- Autoscale up and out based on configurable thresholds: add RAM, CPU and disk to a virtual server or clone a new virtual server

Backup

- Backup VMs on demand or via automated schedules
- Full-server snapshot backups
- Integrated incremental backup, plus extended incremental backup via 3rd party backup software



Key Differentiators



Elastic:

A highly desirable provision to select and pay only for the very service/s that you require



Freedom of Choice:

No IT infrastructure lock-in. On-premise, hybrid or hosted cloud: choose the IT infrastructure service that best empowers your enterprise



Matchless Performance:

Proven performance that surpasses other public cloud providers while remaining very budget-friendly.



Widely Distributed Point of Presence (PoP):

Benefit from our highest numbers of PoPs, enabling connectivity to the nearest cloud

Security

- Multi-layered security model
- Enables secure VLAN sharing
- Isolates VM data and traffic
- Includes an anti-sniff, anti-spoof firewall
- Make full use of hypervisor firewall features
- Additional user-configurable firewalls
- Integration with 3rd party firewall/IPS, WAF for additional security options

Network management

- IP management for IP pools with IPv4/IPv6 support
- Advanced VLAN management
- Flexible billing: Dedicated port based or data transfer

Integrated CDN

- Deploy edge servers in your cloud to create your own CDN PoP, or a complete private CDN
- Connect to our partner networks to get global capacity on demand
- Supported protocols:

Video on Demand/Live streaming

- HTTP Pull, HTTP Push

