

RackForce Cloud: Cloud-E

Enterprise Class Cloud

In 2011 Cloud has become a mainstream delivery model for organizations of all sizes, across all industries. The majority of CIOs and IT Directors include Cloud as an element of their IT strategy. And more progressive organizations are extensively leveraging Cloud services, enjoying the flexibility, scalability, cost advantages and - most importantly - the *agility* advantages Cloud provides.

RackForce's Cloud portfolio provides you attractive options regardless of where you are on your Cloud adoption journey. We provide a broad suite of server, storage and network services with extensive granularity. We have multiple server and storage offerings, and extensive network capacity and flexibility. This enables you to leverage Cloud for uses ranging from small dev/test/sandbox environments, to high performance, high availability platforms supporting your mission critical applications.



Enterprise Cloud: Our flagship enterprise service is delivered on leading products that provide reliability, performance, security and flexibility:

- Servers - Cisco UCS and IBM System x
- Storage - IBM and NetApp SANs
- Network - multiple 10Gbps connections from diverse carriers
- Virtualization - industry leading VMware ESXi Enterprise Plus
- Management - Nimsoft and proprietary management tools

We wrap all this up in a package called Cloud-E, which delivers value and agility for the long term - flexing and scaling up or down, changing configurations on the fly, adding or removing features and services. All to support the evolving needs of your business.

Green & Secure

Cloud-E runs on advanced VMware virtualization and management technologies, and highly efficient, industry leading hardware. Our primary Kelowna data center uses innovative, energy efficient design techniques and 'green' hydro power. Together these advantages can lower your carbon footprint by up to 50x, compared to an average data center.

Each Cloud-E Cloud server has it's own RAM and SAN space, and each Cloud customer has their own private VLAN. The RackForce Cloud and your data center can be linked via a private layer 2 WAN connection. This provides an optimized secure environment.

Hybrid Hosting

RackForce understands no two organizations are alike, each having their own unique IT needs. That's why we deliver our Cloud services in a 'Hybrid' model, customized for each client. For example, you can use our colocation services to house your dedicated equipment at our site, integrating your self-managed servers with our Cloud services. Or integrate RackForce Cloud services with your existing, in-house virtual infrastructure. By utilizing RackForce's VMware vCloud powered features we'll create the ultimate in Cloud manageability and flexibility, tailored specifically for you.

Cloud Hosting Centers

RackForce Cloud-E is hosted in leading facilities, designed for service providers. Our Kelowna, B.C. GigaCenter contains advanced security, tier 3 configured power & cooling infrastructure, and Cisco Nexus Datacenter 3.0 10Gbps network. Our Toronto Cloud is delivered from 151 Front Street, the central Canada network hub with a proven, high quality delivery infrastructure.

Both the Kelowna and Toronto operations are SAS70 and CICA5970 certified.



RackForce Cloud: Cloud-E

Technology

Virtualization: VMware vSphere

Servers: Cisco UCS and IBM System x

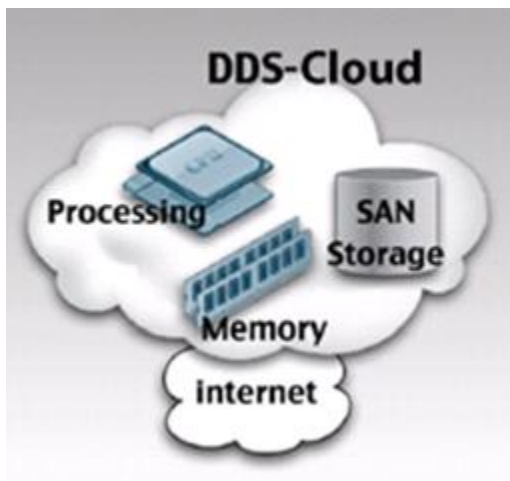
Storage: IBM and NetApp Enterprise SANs

Operating Systems: Linux, Microsoft and others

Redundancy: High Availability (HA) clusters

Data Center LAN: Cisco Nexus 10Gbps converged

Network: RackForce private; Shaw; Bell; US carriers



Optimal Network Connectivity

100Mbps Internet included; 1Gbps available

Carrier neutral access

Multi-homed Internet; Network path diversity

Unified I/O and Fiber Channel over Ethernet (FCoE)

Low Carbon Footprint

As low as 2% of a typical data center

Green hydro-electric power

Exceptional efficient data center design

Optimized 'Free cooling'

IBM 'Big Green' engineering

Custom Cloud Hosting

Optimized for specific application

Customized firewall options

Bare metal servers available

Available as managed or unmanaged

Access to VMware vCenter console

Off-site data backup available

Choice of network carrier and bandwidth options

Granular Scalability

Increments	Processors	By core, up to 8
	Memory	By GB, up to 12GB
	SAN	By 10GB, up to 2TB
	Bandwidth	By 100Mbps
	Firewall	Dedicated or virtual

Customer Benefits

Availability features & redundancy = 99.99% SLA

Highly secure

Highly scalable

Dynamic configuration changes and upgrades

Simplicity and flexibility

Custom configurations and solutions available

Powered by 'green' hydro-electric power

Most cost effective computing platform

Architecture Advantages

Dynamic scalability

Infrastructure-as-a-Service model

Automatic cluster fail-over

Redundant fiber channel internal links

Optional offsite data backup services

