

# OpenStack Fact Sheet



Putting your business ahead of the game

## Why choose Cloud1 for your cloud hosting?

An increasing number of businesses are moving their data and servers to the cloud to benefit from the improved flexibility, security and resilience that a good cloud solution can offer. Using the cloud allows you to set up a world-class IT infrastructure without the extensive capital costs associated with procuring IT hardware.

The cloud also offers the ability to scale your IT infrastructure at a moments notice to keep up with the demands of your business. By using a cloud platform, you can quickly provision new servers and shut them down when they are not required. No more wasting the resources of valuable hardware. You can also benefit from reclaiming lost office space and reducing the costs of power and cooling which are necessary for power-hungry servers.

By using our cloud solution, your data will be stored securely in one of our three UK-based datacentres. These datacentres are all high-end, boasting multiple redundant power supplies and internet connections, backup generators, UPS systems and 24/7 security.

Our IT infrastructure is resilient and redundant, giving you confidence that your IT systems won't fail you at a critical moment.

## OpenStack cloud services – Key Points:

- Fully Scalable
- Self-service Cloud Platform
- Hourly Billing (only pay for what you use)
- Advanced Software Defined Networking, including:
  - Routers
  - Load Balancers
  - Virtual Routers
  - Firewalls
  - VPN's
- UK Datacentres
- Cloud servers can be integrated into your office network (Hybrid Cloud)

## Why choose OpenStack?

OpenStack offers a hands-on approach to the cloud. Customers can create and delete servers as they wish without needing to talk to us. Cloud1 offers hourly billing, allowing customers to only pay for what they use. The platform is ideal for those who require the ultimate flexibility to provision what they need, when they need it. For advanced users, we also provide the ability to manage your infrastructure automatically through our command line interface or API.

We have developed our OpenStack solution to be world class. Advanced networking capabilities include the ability to create your own load balancers, firewalls and routers. Coping with peak demands is a breeze. Users of our OpenStack solution will also be able to add or remove servers to cope with the peaks or dips in demand and balance the load across their servers with our integrated load balancers.

At Cloud1, we work with the world's best IT professionals, we always deliver a first-class solution. We provide our server solutions on Linux, Microsoft and other operating systems as required. We also provide a professional service to help with your cloud migration, enabling you to move your live servers to our cloud platform with a minimum of downtime and fuss. Different levels of consultancy are available. We are also happy to provide other cloud computing advice.

The security of your data is paramount. Talk to us about our patented 'Trusted Cloud' technology, co-developed with the University of Oxford. A world-leading server-side Security solution which brings a new level of trust to the cloud.

