

Newsletter

The start of another year and Continent 8 Technologies has hit the ground running.

Over the coming months we hope to see you at many of the tradeshows and conferences around the world and hopefully get a chance to bring you up to speed with the developments here at Continent 8. In the meantime please enjoy issue 4 of our Newsletter, which covers many of the developments and hopefully furnishes you with some useful information.

Over the last number of years we have added to our distributed global network of data centres. We now have nine data centres around the world with Montreal ideally located for servicing The Americas and Singapore covering Asia. Understandably, our main concentration of data centres is in Europe with data centres in London, Isle of Man, Paris, Dublin, Gibraltar, Malta and Guernsey.

Continent 8 has recently signed deals to add data centre space in Dublin and Guernsey in the first quarter of this year, with the company's Global Private Network being increased to connect these new data centres. Additional network points of presence (PoPs) have been implemented in Belgium and will be added in Toronto, New York / New Jersey and the US Virgin Islands in the coming year.

Due to customer demand, we have started the next phases of the Gibraltar data centre expansion ahead of schedule and phase two of the Isle of Man data centre build out is also about to start.



To support this technical expansion we have increased the sales and account management team with Graham Foster (Account Manager), Marcus Bartolini (Account Manager) and Justin Cosnett (Senior Solutions Architect) joining the company. All three are based out of our new London office. Roberta Castle (Account Director) has also joined the company and is based out of the Isle of Man data centre and headquarters.

In this issue we have included a case study to show how optimising Continent 8's global infrastructure and solutions can help

you target your global customer base, while at the same time protecting your online service and brand reputation.

There is also a special focus on our new Dublin data centre, which is ideally located to provide front end, development or disaster recovery services.

As you can see there are a lot of new and exciting things happening at Continent 8 at the moment.

We look forward to seeing you in 2013.



Issue 4 Spring 2013

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Dublin Data Centre Profile

Inside this issue you will find the technical highlights and other information about our Dublin data centre.



See page 2 for full story.

Managed Services

It's all in hand

Ideal for organisations who want to concentrate on their core business solutions or who don't have the internal expertise and resources – Continent 8's expert engineering and support teams take on the role of managing the systems upon which your solutions rely. Continent 8 can provide managed services up to the application layer; supporting hardware, network services such as firewall and load balancing, multiple operating systems and backup services. All services are available with the flexibility you need and backed by a comprehensive SLA.



Dublin



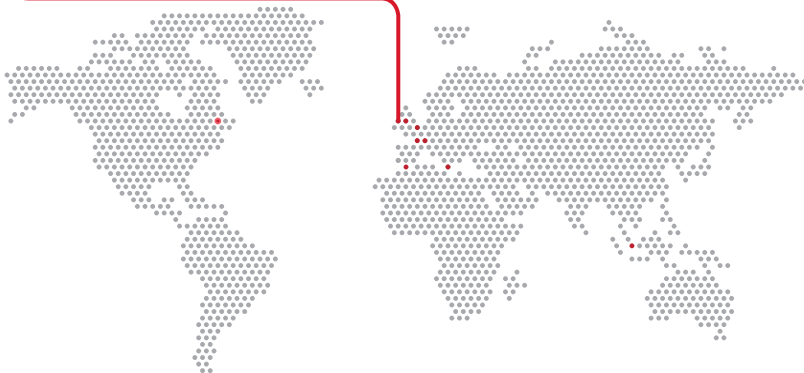
A grand place to host

Continent 8 opened the Dublin location to provide a greater value offering to customers for services to Europe and beyond. Enabling separation of services whilst maintaining connectivity via our MPLS backbone, the Dublin location provides a perfect front-end or disaster recovery proposition to both existing customers and future partners.

Continent 8 Technologies' location in Dublin is a purpose-built facility in Ballycoolin Business Park, benefitting from the highest levels of connectivity and power provision in this high-tech region.

A comprehensive suite of services and solutions are available from our Dublin data centre from traditional co-location to fully managed solutions, designed to meet your organisations needs now, and into the future.

- *Multiple Tier 1 carrier connections*
- *Diversified multi-gig-E Paths between sites*
- *Private backbone network to North America, London, Isle of Man, Gibraltar, Milan and Malta via layer 3 MPLS network controlled by Continent 8 end to end*
- *Manned facility, multilevel, including biometric, access control with CCTV monitored 24 x 7*
- *Fully redundant cooling systems in a minimum N+1 configuration*
- *Mechanical, electrical and network systems monitored 24 x 7 by expert engineers*
- *Fire and water leak protection systems*
- *Average 3.2 kVA per rack up to 8 kVA per rack dual power provision*



DATA CENTRE FEATURES:

- ✓ *Home to High-Tech industries, benefitting from considerable investment in infrastructure*
- ✓ *Scalable facilities, enabling separation of tier value*
- ✓ *Great value co-location and disaster recovery location*



Case Study eGaming

In this case study we hope to demonstrate how you can optimise and protect your company's technology platform by using Continent 8 Technologies' globally distributed data centre network and suite of solutions.



The Proposition

Continent 8 Technologies was approached by a customer seeking to provision an eGaming platform across multiple regulated jurisdictions.

THE REQUIREMENTS:

- ✓ Fully managed hosting services with primary location in a licensed jurisdiction
- ✓ Disaster recovery services in an efficient secondary location
- ✓ Guaranteed (SLA) connectivity between primary and secondary
- ✓ Secure highly-protected bandwidth and network provision
- ✓ Resilient bandwidth provision for multiple source countries
- ✓ Flexible, scalable offerings for growth in capacity and market

The Approach

We took each requirement and built a proposal which provided a scalable platform architecture, delivering not just the minimum requirements, but additional solutions to reduce the customer's time to market and capital expenditure.

In this instance, the customer already had an eGaming license in Gibraltar, but wasn't sure whether to stay with co-location or move to a fully managed hosting service.

By moving the customer to a fully managed service, they were able to reduce their IT Capital and Operating expenditure and concentrate their resources and skills on their core gaming business solutions. We took on the monitoring, maintenance and support of the equipment as well as the operating software supporting the applications.

Disaster Recovery is a necessity that all operators want but never get around to implementing, however it's an insurance you don't want to be without. There are many places that can offer effective disaster recovery solutions, but not many where you can legally fail over to. The Isle of Man is one of, if not the best, locations that fits all the requirements from an eGaming perspective.

Due to the nature of the customer's business, we advised the customer to take advantage of the Continent 8 DDoS prevention service. As well as securing and protecting our customer's businesses

from attack, this service provides advanced traffic analysis and reporting.

Since all Continent 8 data centres are connected via our own managed global MPLS platform with a guaranteed SLA covering connectivity between all sites, the supply of all services from a single partner such as Continent 8 becomes a very attractive proposition.

While the proposed solution of primary in Gibraltar along with a Disaster Recovery option in the Isle of Man satisfied the customer's immediate requirements, Continent 8's global footprint and network caters for any future ambitions for expansion.

With the customer's architecture designed and specified in this way, they have future-proofed their infrastructure allowing for the rapid deployment of additional solutions, such as Cloud Storage Service, Network Services and Backup Services.

These requirements aren't unique, but we recognise that each customer is, so if you would like to discuss your requirements with us for any eGaming solution, please get in touch, we would be happy to provide a similar service.

A more detailed version of this case study will be available at continent8.com

Secure Networks

Reliable, Fast, Secure



Service Focus – DDoS Prevention

The advantage of using Continent 8 in limited bandwidth jurisdictions

Unlike enterprises in many other industry sectors, eGaming operators and software suppliers often have to locate critical infrastructure within suitably licensed or regulated locations. However, many of these jurisdictions, due to their sometimes unusual geographic location and the high cost associated with bringing in fibre connectivity, have limited bandwidth capabilities when servicing the customer base and in comparison to Tier 1 cities.

This can have catastrophic consequences when customers within these jurisdictions are faced with high volume DDoS attacks against their infrastructure. In these scenarios, it is not just the specific targeted customer who is affected, but it is generally also the whole country or jurisdiction that can be brought down.

At Continent 8 we have mitigated regular attacks against targets hosted in many locations, and it is becoming commonplace to see attacks anywhere between 5 and 15 Gbps. Therefore, a single volumetric attack can constrain bandwidth for ALL customers of the local internet provider, until that provider is able to mitigate

effectively, or even use the upstream internet provider to assist in prevention. This means that while “bad” traffic is only being directed at a single target, bandwidth to all customers is affected before “good” traffic and “bad” traffic can be separated for the target customer.

However, because Continent 8 has a dedicated, resilient MPLS network into each of these locations and we peer with global Tier 1 providers across Europe, North America and Asia, we are able to start mitigating the attack BEFORE it is fed to the target. We use our experience along with industry-leading detection and mitigation architecture to clean and separate the traffic, thereby passing only the “good” traffic to the target and until the attack has been fully mitigated and “normal” traffic patterns resume.

This means that not only is OUR target customer mitigated swiftly, but our other Continent 8 customers are unaffected as well as other internet users in the particular jurisdiction - even when not supplied by Continent 8 for DDoS prevention service.

So, if you are not a Continent 8 customer today and taking advantage of our bandwidth and DDoS services in these regulated environments, you should hope that your competitors are!

Company Overview

Reliable Innovation

Continent 8 Technologies provides highly reliable co-location and managed services for today’s online business-critical service platforms. Our customers benefit from our continued investment in advanced data centres, high quality networks and online technologies. Having multiple centres of excellence around the world, including the Isle of Man, London, Paris, Dublin, Malta, Guernsey, Gibraltar, Singapore and Montreal, Continent 8 provides a truly global service capability to its clients, regardless of geography.

Our services enable organisations to rapidly deploy to market and implement business critical back office or public front end systems, across the globe.

Continent 8 is ideally positioned to provide local expertise in the provision of hosting services in both highly regulated and technically challenging geographic locations around the world. We have developed reliable and secure solutions for organisations in multiple industry verticals.

Providing complex reliable and innovative services to customers in highly regulated markets for over 14 years, Continent 8 can deliver fully managed and integrated solutions and services to meet your organisation’s needs now and into the future.

AVAILABLE SERVICES:

- ✓ *Hosting*
- ✓ *Co-Location and Disaster Recovery*
- ✓ *Network Management, Monitoring and Provisioning*
- ✓ *DDoS Prevention*
- ✓ *Fully Managed Services*
- ✓ *IP Transit and Tier 1 Peering*
- ✓ *Global MPLS Connectivity*

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