Pulsant South Gyle

Edinburgh, United Kingdom

The Clocktower, South Gyle Crescent, Edinburgh, EH12 9LB

Zare is an IT Infrastructure Provider based in the UK offering affordable bare metal servers, colocation and IT transit services from numerous world-class datacentres throughout Europe. We operate a reliable and ever-expanding low-latency network featuring powerful inline Corero DDoS Mitigation hardware, allowing us to deliver robust services to businesses of all sizes.

zare.com
sales@zare.com
+44 0800 080 3330
Hydra Communications LTD
Unit 1, Apex Court
Bradley Stoke
Bristol
BS32 4JT
@zare_servers
@zare

Overview

Located to the west of Edinburgh, Pulsant's South Gyle location is the largest data centre in Scotland and offers extreme levels of security, reliability and connectivity designed to support mission-critical IT operations for customers of all sizes. Power and cooling supplies are guaranteed through various levels of redundancy to ensure service availability at all times, even when something goes wrong. Hosting 29 carriers, this 65,000-square-foot facility is one of the best-connected commercially available sites outside of the M25.

Power
N+1 Diesel Generators
N+1 Static UPS Systems
N+1 Chiller Units
72 Hours On-Site Fuel Storage
A+B Redundant 16A or 32A Power Feeds

Security
24/7 CCTV Monitoring w/ 108 Cameras
24/7 On-Site Security Personnel
24/7 Environment Monitoring
Keycard & Pin Access Control and Logs
Intrusion Alarm System

Safety
Double-Knock and VESDA Smoke Detection System
IG55 and FM200 Fire Suppression Agent
Free Air and DX Redundant Cooling

Certifications
PCI DSS Compliant
ISO9001 Accredited Facility
ISO27001 Accredited Facility

Services

We have a range of premium yet affordable services available at this location.

- Bare Metal Servers
- IP Transit
- Waves
- Remote DDoS Protection
- Direct DDoS Protection

Network

IPv4 Addresses 53,000+
Total Capacity 1.5Tbps
Peak Throughput 450Gbps

We operate a low-latency, geographically redundant BGP network that spans Europe, providing scalability and resiliency, safeguarding customer service levels with high availability and offering high-quality transit through multiple Tier 1 carriers and diverse peering. This facility features **Juniper MX240** routers at the network edge that utilise redundant routing engines and an N+N line card configuration, supported by a core built with a mix of Juniper EX4200 and QFX5100 switches in virtual chassis' and high-capacity redundant uplinks from each switch to the edge.

Private Peering

BT (100Gbps)
Sky (100Gbps)
Virgin Media (100Gbps)
TalkTalk (20Gbps)
CDN77 (100Gbps)
Hetzner (100Gbps)
Online.NET (10Gbps)
Google (100Gbps)
Worldstream (20Gbps)

Public Peering

LINX (100Gbps)
LINX Scotland (10Gbps)
LoNAP (100Gbps)
Equinix IX (20Gbps)
NL-IX (10Gbps)
AMS-IX (20Gbps)
FRANCE-IX (100Gbps)
SWISS-IX (10Gbps)
DE-CIX (20Gbps)

Global Transit
Telia (180Gbps)
Cogent (180Gbps)
GTT (70Gbps)
NTT (30Gbps)

DDoS Protection

Our custom DDoS protection solution combines state-of-the-art Corero SmartWall DDoS Mitigation appliances deployed across our network edge with powerful, meticulously refined sets of custom flood filters. Configurable on a per-IP basis through the Zare Manager, our in-house firewall allows for precise adjustments to guarantee the best possible protection for your services to help combat digital threats.

Customisation
Smart Rules - Heuristics-Based Engine Utilising Traffic Behavioral Analysis
Flex-Rules - Programmable Filters to Target Volumetric, Reflective and Payload Specific Attacks
Rate Limiting Policies
IP Address, Country and AS Number Block/Allow Lists
TCP/UDP Port Range Filters

BPS Filtering Capacity
160Gbps

PPS Filtering Capacity
240 Million Packets / Second

- Volumetric Attacks
- Reflective Attacks
- Resource Exhaustion Attacks