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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.

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Overview

Located to the close to the City of Glasgow, IOMart's DC1 location is a vast facility is designed from the ground up to cater to large scale server hosting and colocation. Power and cooling supplies are guaranteed through various levels of redundancy to ensure service availability at all times, even when something goes wrong. We can provide a range of bare metal dedicated servers and transit services from this location, including our state-of-the-art DDoS protection offerings through direct and remote connections.

- Power**
 - N+1 Diesel Generators
 - N+1 Static UPS Systems
 - N+1 Air Conditioning Units
 - 72 Hours On-Site Fuel Storage
 - A+B Redundant 16A 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**
 - Advanced Smoke Detection System
 - Dual Zone Fure Suppression
 - Redundant Cooling

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		Public Peering	
BT (100Gbps)	Hetzner (100Gbps)	LINX (100Gbps)	AMS-IX (20Gbps)
Sky (100Gbps)	Online.NET (10Gbps)	LINX Scotland (10Gbps)	FRANCE-IX (100Gbps)
Virgin Media (100Gbps)	Google (100Gbps)	LoNAP (100Gbps)	SWISS-IX (10Gbps)
TalkTalk (20Gbps)	Worldstream (20Gbps)	Equinix IX (20Gbps)	DE-CIX (20Gbps)
CDN77 (100Gbps)		NL-IX (10Gbps)	

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
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- Volumetric Attacks
- Reflective Attacks
- Resource Exhaustion Attacks