



ZARE

Core location

Overview	Located in London Docklands in Tutis point (Docklands Data Centre Limited)
	24 x 7 onsite security, NOC and access.
	A + B Power feeds as standard to all racks
	Carrier neutral facility
Power	2 x 1.5MVA Generators (N + 1) on standby with 96 hours of fuel on site
	98% Efficient UPS system using flywheel technology (N + 1)
Cooling	Cold aisle containment systems
	N + 1 cooling system (Minimum)
Safety	FM200 fire suppression system
	VESDA smoke detection system.
Certifications	ISO 9001
	ISO 27001

Corero Smartwall Protection

Our own in-house DDOS mitigation system can provide protection from attacks up to 100Gbps or 120 Million packets. This, combined with our custom flood filters, makes it a versatile and powerful tool for combating online cyber threats

Protects Against	Volumetric DDoS Attacks	
	Reflective DDoS Attacks	
	Resource Exhaustion DDoS Attacks	
	Other DDoS Attacks (C&C Operations)	
Provides	Other DDoS Attacks	Command and Control Operations
		NTP Monlist Requests
	Customizable Protection	IP Blacklisting
		Port address range filters
	Flex-Rule	Programmable filters to address volumetric, reflective and payload specific attacks
	Smart-Rule	Heuristics based engine using behavioral analysis

Introduction

Zare is a UK based IT Infrastructure Provider that has seen massive growth over the last two years, working it's way up to becoming one of the UK's leading providers in dedicated servers and unmanaged systems. This growth has helped us pave the way for a more robust and reliable network, with improvements and upgrades being made to all systems across our network..





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Network

Key Points of Presence	Telehouse North		
	Equinix LD8		
	City Reach (DDCL)		
	Evoswitch (Amsterdam)		
Redundancies	MPLS TE Core network		
	Fed from 2 separate QFX5100's for every ToR switch		
	Dedicated IPMI/iKVM + on-demand Lantronix KVM		
	Virtual chassis Juniper QFX stack for distribution		
	City Reach features 2x Juniper MX960's with redundant routing engines and a N+N line card configuration		
IPv4/IPv6 Peering	Global Transits	Telia (Minimum 30Gbps)	
		Cogent (Minimum 50Gbps)	
		NTT (Minimum 10Gbps)	
		Tinet / GTT (10Gbps)	
	Private Peering	Online.net (Minimum 10Gbps)	BT (Minimum 20Gbps)
		Gamma Telecom (Minimum 1Gbps)	Sky (Minimum 20Gbps)
		SSE (Minimum 10Gbps)	Virgin Media (Minimum 20Gbps)
		Vodafone (Minimum 10Gbps)	Worldstream (Minimum 20Gbps)
	Public Peering Exchanges (Over 600 peers)	LINX (1x 100GBE)	
		AMS-IX (1x 10GBE)	
LoNAP (2x 1GBE, due to be upgraded to 1x 10GBE)			

Location

Nestled in the heart of the London Docklands, our City Reach data center offers customers several different services to facilitate both the needs of the introductory level and the professional levels of business. With 23,000 square feet of data hall space at our fingertips in a Tier 2/3 aligned facility we can accommodate the needs of the majority of businesses. Our facilities have been designed with redundancy in mind, both in terms of our network and our physical facilities