

E-CRISTAL



E-CRISTAL.COM SYSTEM REQUIREMENTS

OS	Windows	MAC OS X
	XP	10.6
	Vista	10.7
	7	10.8
	8	10.9
	10	10.10
Browser		
Internet Explorer	9	
	10	
	11	
Edge	20	
Firefox	Latest	Latest
Chrome	Latest	Latest
Safari	5	5
		6
		7

Minimum System Requirements		
Processor	Intel Core2 Duo CPU 2.XX GHz or AMD processor: (1 GB of RAM recommended)	Intel processor (512 MB of RAM or more)
JavaScript	JavaScript and Cookies enabled	JavaScript and cookies enabled
Resolution	800 x 600 minimum	
Other	Java 6.0 or later Adobe Reader (to view reports)	Plug-ins enabled in Safari

E-CRISTAL IMPLEMENTED SECURITY

- Website uses 2048 bit SSL data encryption
- Unique login credentials per system user account
- Complex password functionality
- Secure delivery of system generated emails
- Hierarchical data access
- Auto session logouts

KEY PLATFORM COMPONENTS

Virtualisation Technology

VMware vSphere5 Enterprise Plus edition offering full Continuous Availability, Live Migration & Data Protection

Storage Network (SAN)

Dell EqualLogic, SAS 10K drives, RAID-10 configuration across 28 spindles. Replicated to offsite location

Local Network

All servers dual homed to multiple Gigabit switches

External Network

Multiple redundant connections to upstream ISPs.
Private inter-site link

Power

Dual redundant power feeds in every rack. All equipment dual PSU or PSU + DC power backup

Backup

Data backed up daily to local and off-site locations for disaster recovery purposes

Monitoring

All key services monitored 24x7 with text alerts

Security

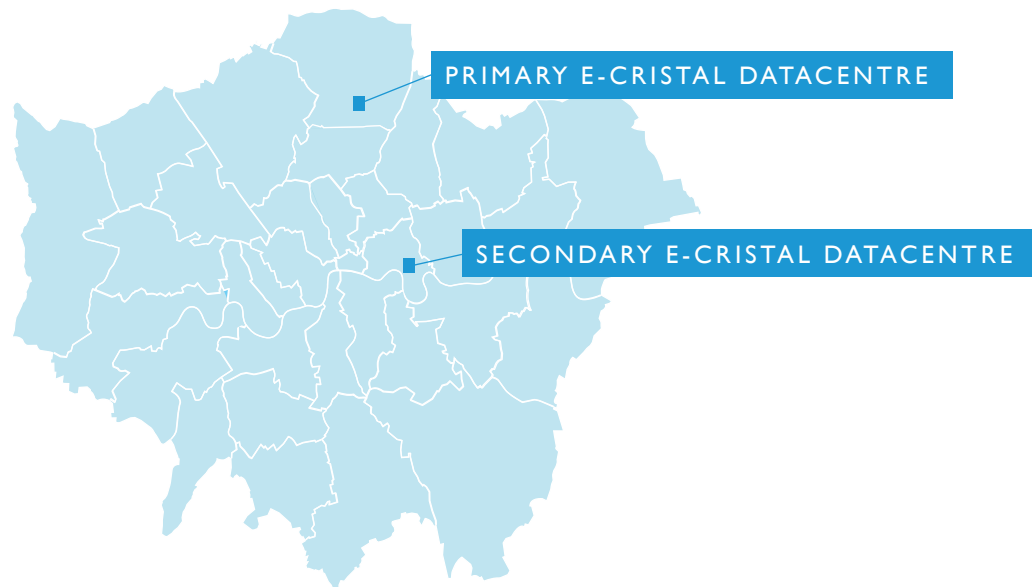
The network includes multiple firewalls



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WHERE IS YOUR DATA BEING HELD?



PRIMARY E-CRISTAL DATACENTRE – The E-Cristal Datacentre, located in Enfield, is the primary datacentre for the E-Cristal system where the servers are hosted.

SECONDARY E-CRISTAL DATACENTRE – The Secondary E-Cristal Datacentre, located in London Hosting Centre, London Docklands, is the disaster recovery site and a backup of the primary datacentre in the event of any problem.

DATA CENTRE KEY FACTS

- 24/7/365 on-site security team
- 8MVA incoming power supply to site on 11kV EDF ring
- Dual A & B supplies to all data halls & racks
- Dedicated N+N in line UPS arrangement
- Centralised N+1 Diesel standby generators with 72 hours on-site fuel capacity
- Chilled water system N+1 air-cooled chillers and pumps serving the technical and plant areas via a ring main circuit
- N+1 CRAC units within each data hall with A & B supplies available
- Diversity of carriers and fibre entry points offering fully resilient connectivity
- 3 metre high perimeter fence with manned vehicle entry gate
- Internal and External IP CCTV complete site coverage
- On-line 'real-time' interactive environmental monitoring system
- Biometric entry system
- Full authentication & access policy control
- Centralised water mist fire suppression system with VESDA detection
- ISO27001 accredited

