

Here are some details on where and how our servers are hosted.



Platform

We only use Dell servers in our web hosting platform. Our platform is designed to be highly redundant and all data is stored in network disk arrays.

Data is automatically synchronised between the arrays so that in the event of an array failing the remaining array continues to serve data to the servers with no downtime. Each array is also backed up each night to a separate backup cluster which is then written to tape and stored offsite.



Data centre

We utilize un-interruptable power supplies and an n+1 generator setup to ensure constant and clean energy to our infrastructure. The data center is protected by fire suppression, monitored by CCTV both externally and internally, has 24x7x365 on-site security and the building is surrounded by an 8ft perimeter fence.



Security

We are automatically informed of new security patches via our vendor. Patches are applied within 24 hours. Our own platform is scanned each month for application vulnerabilities and we use a network scanner to identify weaknesses in our network.

Climate Control

The system monitors and controls the temperature and humidity levels. The data center is fully climate controlled with N+1 Stultz DX Cybercool Air Conditioning Systems.

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Written by Administrator

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Drip sensors located below floor monitor for any leaks in the system. Cold air is forced underneath raised flooring into the bottom of each server rack, and vacuumed out of the top providing maximum cooling efficiency. The position of each server rack/apparatus is calculated by a dedicated deployment team to further optimise cooling efficiency.

Power Supply and Backup

Each rack has two independent power feeds, fed from two diverse connections to the national grid.

Should one or both of these feeds fail 4 x 300kVA Riello UPS (N+1) battery backup systems will cover immediate power requirements. All power to the cabinets is supplied via the UPS to maintain clean supply to the servers.

If mains power is not restored within 10 seconds 3 x N+1 diesel powered generators will start providing full continuous power to the data centre.

Server & Cabinets

We use **Dell Servers** with a minimum specs of Dual Quad Core Intel Xeon 3.16Ghz, 8GB of RAM, Dual 136GB SCSI for the OS, RAID mirroring for the OS, Dual power supplies and dual gigabit Network adapters.

These are racked in 46u high 1500mm wide x 1000mm deep, cable management system and 80% mesh doors. Cabinets are kept locked at all times.

Fire Suppression

Fire protection is provided by the FM200 Fire Suppression System which fills the sealed data centre with gas to extinguish any fire quickly without the use of water and without damage to any equipment.

Security

CCTV

The data centre is monitored by cctv both externally and internally. All CCTV images are recorded and stored for 3 months.

Secure Fence

The building is surrounded by a 8ft perimeter fence. gates are locked outside of normal business hours.

Secure Fob Access

There are two locking doors to go through for access to each of the separate data halls within DC2. These are locked and can only be opened using Secure Fobs which are only held by named staff.

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