

## Hosting Features

### Redhat Enterprise Linux

#### UNLIMITED

Web Space  
Bandwidth  
Sub Domains  
Additional FTP Accounts  
Email Forwarders  
Email Auto Responders  
Email Distribution Lists  
Email Mail Boxes (POP3 & IMAP)

#### Database Support

Unlimited MySQL Databases

#### Support Database

#### Instant Activation

#### General Features

Website Builder  
File Manager  
Display Account Summary  
Display Web Server Information  
Free Internet Access

#### Email Configuration

Catch All Email Forwarding  
Email Filter Logs  
Junk Mail Filters  
Email Summary  
Webmail 1GB

#### Account Utilities

Control Panel  
Scheduled Tasks  
Microsoft FrontPage Extensions  
Website Password Protection  
IP Address Blocking  
Change Your Password  
Backup Your Website  
SSH Server Access  
Site Submission  
Website Redirect

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### MS Windows Server 2008

#### UNLIMITED

Web Space  
Bandwidth  
Sub Domains  
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Email Forwarders  
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Email Distribution Lists  
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2 MySQL Databases

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Website Builder  
File Manager  
Display Account Summary  
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Free Internet Access  
IIS Applications

#### Email Configuration

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Scheduled Tasks  
Website Password Protection  
IP Address Blocking  
Change Your Password  
Backup Your Website  
Site Submission  
Website Redirect



## Redhat Enterprise Linux

### Web Resources

Free Software  
550+ Website Templates  
100,000+ Photos, Images and Web Art  
5 Web Hosting Templates  
Web Design Links  
Javascript Maker

### Website Diagnostics

Web Space Checker  
HTML Tools  
Network Tools  
CGI Script Tools

### Website Reporting

Google Site Map  
Webalizer Graphical Statistics  
AWStats Graphical Statistics  
Log File Download  
Graphical/Text Counter & Hits Logger  
Bandwidth Graphs

### E-commerce

Secure Server Access  
osCommerce Shopping Cart  
Agora Shopping Cart  
Zen Cart  
CubeCart

### CGI/PHP Scripts

WordPress Blog  
Joomla! CMS 1.5  
Joomla! CMS 1.0  
Mambo CMS  
CMS Made Simple  
Geeklog - The Ultimate Weblog System  
Nucleus Weblog  
phpBB 3  
phpBB 2  
RoundCube WebMail  
MediaWiki  
SugarCRM  
Openads  
Drupal CMS  
Coppermine Photo Gallery

## MS Windows Server 2008

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### E-commerce

Secure Server Access

### CGI/PHP Scripts

WordPress Blog  
Joomla! CMS 1.5  
Guestbook  
Photo Gallery  
MetaCart Shopping Cart  
Simple Blog  
Website Search  
404/500 Error Page  
Form to Email

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## Redhat Enterprise Linux

### CGI/PHP Scripts cont.

Locked Area Lite  
Form to Email  
Photo Gallery (no db)  
Photo Gallery (db)  
Free For All Links Page  
Website Search  
Guestbook  
E-Blah Discussion Board  
Web Postcards  
Web Auction  
Domain Name Checker  
404/500 Error Page  
Banner Advert Manager  
Java Clock  
Web Calendar  
Web Survey  
Internet Countdown  
Random Text Displayer  
Random Images Displayer  
Tell-A-Friend  
Web Ring  
Trouble Ticket Express  
Classified Adverts  
Typo3  
TraceWatch  
Crafty Syntax Live Help  
osTicket  
dotProject  
PHPCoin  
Squirrel Mail  
Elgg



## Hosting Technology

### Dell Servers

We only use Dell servers in our web hosting platform. Utilising state-of-the-art technology we have built a web hosting platform that is second to none.

Our platform is designed in such a way that if any server fails another server automatically and without delay takes over that server's workload. For example, if one of our mail servers breaks down another server automatically comes online, with all the correct configuration, and takes over the work of the failed server. During this period no email is lost.

As well as this, all data is stored in two large 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.

Our network arrays operate RAID, a way of configuring a system so a disk can fail with no impact to data. As explained above we also operate our network arrays in mirrored pairs so a whole array can fail with no impact. Each array is also backed up each night to a separate backup cluster which is then written to tape and stored offsite.

Our backup procedure goes above and beyond the majority of web hosting companies.

### Cisco Network

Our network operates 100% on industry-leading network equipment from Cisco Systems. All our switches and routers are developed by Cisco. Our network is based on gigabit technology, which means that it runs at a speed of 1000 Mb per second - most other web hosting networks are limited to just 100 Mb per second.

Our network also utilises 100% CAT6 network cable, which contains four pairs of copper wire and, unlike CAT5, utilises all four pairs. CAT6 supports Gigabit (1000 Mbps) Ethernet and supports communications at more than twice the speed of CAT5e, which is the other popular standard for Gigabit Ethernet cabling.

We operate a multi-homed network utilising BGP4 technology. Simply put, we have multiple connections to the Internet with different backbone providers, should any connection fail our other connections automatically take all the traffic. Not only does this mean that we are very unlikely to lose connectivity to the Internet, but it also means that traffic moving to and from our network can choose from a range of paths to get to its final destination. This means that we have been able to configure the network always to take the fastest paths.

### Redhat Enterprise Linux

Redhat is the leading provider of Linux open source software. For many years now Redhat Linux has been the number one choice for web hosting companies, not just because of Redhat's amazing scalability but also because of its track record as the most stable operating system available in the market today.

Our systems utilise the latest Redhat server technology to allow our servers to be continually up to date with Redhat system & security patches.



Unlike many of our competitors we run Redhat Enterprise Linux, the most stable release of Redhat Linux available and the only version that keeps completely up to date with security patches.

### **Windows Server 2008**

We use Microsoft Windows Server 2008 to power our Windows shared hosting platform.

Microsoft Windows Server 2008 is the most advanced Windows Server operating system yet, designed to power the next generation of networks, applications, and Web services. With Windows Server 2008 you can develop, deliver, and manage rich user experiences and applications, provide a highly secure network infrastructure, and increase technological efficiency and value within your organization.

### **Power Supply & 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.

Spare fuel for the generators is stored on-site and contracts are in place with fuel companies to deliver continuous emergency fuel for a virtually unlimited amount of time.

### **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.

### **Climate Control**

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

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.



## Server Cabinets

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

## 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 an 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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