

Managed Hosting & Virtualisation



A Complete Managed Server Hosting and Virtualisation Solution for Small to Medium Sized Businesses

Do you want an enterprise class IT infrastructure, managed by professionals at a fraction of the cost? We can help you reduce costs, ensure compliance with licensing laws, reduce your carbon footprint, remove the problem of server sprawling and provide a viable and cost efficient disaster recovery option.

MANAGED SERVER HOSTING SERVICES

CINFINITY offers a managed server hosting service with a difference i.e. we offer a complete service. We work with you to design your system to your specific requirements. It is this holistic approach that makes CINFINITY different from the competition. Our technical staff will work with you to: **1.** Design the solution **2.** Identify and resolve potential issues **3.** Guide you through the many design options and **4.** Offer best practice solutions that are flexible, fault tolerant and future proof.

WHY CINFINITY'S MANAGED SERVER HOSTING SERVICES

- CINFINITY's Managed server hosting services allows you to
- Focus on your core business; after all it is what you do best.
- Gain access to the second best data centre in Europe.
- Access an enterprise level of performance, flexibility and connectivity at an affordable price.
- Place your service in an optimised infrastructure environment.

We offer the very latest in virtual servers as well as traditional physical servers, with maximum performance and higher uptime for lower costs. All servers are deployed with redundancy, e.g. network connectivity, storage and power. Solutions can vary from a simple N-Tier application featuring load balancing and clusters to a complex multi-network solution for a complete IT service provision. Internet connectivity, security and remote access are provided using a Cisco ASA firewall cluster and full fault tolerance throughout the deployment.

Server Monitoring: CINFINITY deploys a complete monitoring solution that offers you peace of mind. We believe that an unmonitored server or unmeasured solution is not a managed solution. When we monitor a server, we monitor everything on that server including:

- The operating system.
- System Performance and Critical Services.
- Errors in the operating system logs and application logs.
- Applications such as SQL, Exchange, Citrix or IIS
- The hardware using knowledge provided by the hardware manufacturer.

Our solution will monitor a predefined set of criteria on each and every server that we host using best practices designed by the original developers of those products. Not only this, but our monitoring solution will often offer guidance on how to resolve the alert in question. We know of no other hosting provider in Ireland that can offer this solution. We work with you to develop a customised monitoring solution for your applications and service and you can use our Operations Console via secure remote access to monitor your solution.

The Data Centre: We use the best data centre in Ireland and the second best data centre in Europe. It is a Tier 4 facility i.e. the most advanced and it offers:

- **Superior Internet Connectivity:** Connected to 4 Internet backbones, the T50 Dublin fibre ring, satellite connectivity, and managed Internet access.
- **100% Power Uptime:** A proven 100% SLA on power uptime remaining online since March 2001. It has a dedicated ESB managed 5 megawatt power substation. There are no single points of failure.
- **Cooling System:** Constant temperature of 20-22°C with humidity at 45-55%. It is designed to be capable of cooling every rack in the facility.
- **Physical Security:** Access is controlled using biometrics, access lists and appointments. Over 100 video cameras are recorded and monitored 24*7. All our servers are stored in secure racks.

C INFINITY choose this centre because it is the best available. Using anything less would be a disservice to our customers who would suffer unwanted service outages that should not occur in a correctly designed and well managed environment.

REMOTE ON-SITE MONITORING SERVICES

C INFINITY also provide a remote on-site monitoring service to monitor your servers on your site. We can provide immediate alerts to system faults which will help you to minimise or even eliminate downtime.

When onsite systems fail, the resulting downtime can be catastrophic to businesses in terms of the potential loss of data and time, or at the very least it is a huge inconvenience. C INFINITY remotely monitors the health of all your mission critical systems, providing alerts and offering guidance on how to resolve the issues, thus minimising or even eliminating downtime.

We work with you to design a monitoring system to meet your specific requirements including monitoring the operating system, system performance, log issues, critical services, applications and hardware.

VIRTUALISATION

Virtualisation allows many separate machine instances to run on a single piece of hardware. Each has its own memory, storage, CPU allocation and operating system. In every sense they are individual secure entities. A virtual machine runs on and consumes the resources of a physical host computer. They are intended to be used for less resource intensive machines including the majority of servers that are deployed for online applications. We see virtualisation as a strategic enterprise level solution and we manage it as such. Not all machines should be virtual and we will work with customers on the decision making process. All our virtual machines are managed just like our physical machines and are subject to the same levels of security and pro-active management.

C INFINITY has chosen to use the leading edge Microsoft Windows Server 2008 Hyper-V as its virtualisation solution, offering reduced costs, flexibility and its ability to be managed like no other virtualisation solution.

KEY FEATURES

SERVER HARDWARE INFRASTRUCTURE

- Hewlett Packard C Class Blades offering
- Dense computing
 - Reduced power consumption
 - Flexibility and Modular

STORAGE INFRASTRUCTURE

- Hewlett Packard EVA SAN offering
- Dense storage
 - Huge capacity
 - Rapid growth and Flexibility

SERVERS AND STORAGE

- Hewlett Packard Virtualisation
- Diskless Blade Servers
 - Virtual Network and Storage Addresses
 - Monitored by Microsoft OpsMgr 2007 using HP management packs
 - Storage alerts sent directly to HP
 - All hardware covered by HP 4 hour support contracts

BENEFITS OF C INFINITY'S VIRTUALISATION SOLUTION

- Lower Cost of Ownership
- Less power consumption: reducing the carbon footprint and reduces costs.
- Flexibility: virtual machines are abstracted from the underlying physical hardware, making them mobile and less reliant on that hardware.
- Fault tolerance: using clustering, if a host fails, the virtual machine is automatically relocated elsewhere in the cluster.
- Utilise our experience and expertise.
- Enhance your Business Continuity Plan.



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C INFINITY

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C INFINITY is one of Ireland's leading providers of Managed Hosting and Virtualisation Services. For more information on this and our Data Backup, Protection and Recovery services, visit www.cinfinity.ie or email sales@cinfinity.ie or info@cinfinity.ie.