



INFRASTRUCTURE

IMPROVING YOUR IT INFRASTRUCTURE

Just like a building needs a foundation, an organisation needs a robust IT infrastructure to allow it to operate efficiently. It's the infrastructure which allows the applications to process information and move data around the organisation easily and securely.

When designing an infrastructure, it is important to consider the current and future requirements of the organisation. As the trend moves towards more data rich environments, the infrastructure needs to be scalable and use the latest technologies to protect investment.

We draw on extensive experience when we design infrastructures for organisations. We incorporate a wide range of solutions into each design, dependent on the current and future requirements.

Wrapped around our infrastructure solution is a comprehensive consultancy, implementation and support service allowing us to provide the complete solution. With the right infrastructure in place, applications can be added more easily and information can be processed more efficiently.

BACK-UP SOLUTIONS

Given the importance of data and the dependence on it to run an organisation, safeguarding that data is critical. A data back-up policy needs to be in place and this needs to include an off-site data back-up to ensure no data is lost in the event of any malicious actions or natural disasters.

Off-site Back-up

To provide extra security for data, off-site back-ups provide an alternative to tape back-up solutions.

Restoring Data

Restoring data from off-site back-up is a simple and quick process. There is also a version control feature built into the data back-up solution and this allows the restoration of any version of the data.

The Benefits of Off-site Back-up

- Insurance - some companies offer discounted rates for organisations performing office back-ups
- Automatic - back-ups are automated and occur at the same time each day, every day
- Secure - data is encrypted and stored on secured servers
- Cost effective - no capital outlay on media or storage devices

CCTV

Camera and CCTV technology has been revolutionised by IP video capability and the latest advancements means that these technologies can become truly integrated with standard IT solutions.

We can offer a tailored solution based on your exact requirements, budget and size. With each installation, we work with customers to ensure that all systems and operating procedures comply with the statutory requirements of the Data Protection Act 1998 and the recommendations from the Home Office and Police.

Door Access Systems

Door access and security solutions are becoming more and more commonplace in today's society. Implementing such a system provides organisations with the ability to restrict employees, visitors or contractors to certain parts of buildings.

CNT's door access systems can provide not only the first line of security but can also be a valuable tool for enforcing health and safety control in restricted parts of buildings. Today's access systems mean that if a key fob/card or token is lost, the specific object

BENEFIT

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can be completely deleted from the system ensuring that security is not compromised.

Internet Security

The openness of the Internet has helped to make it an essential tool for most organisations. All organisations could find themselves at risk, whether they just use low levels of PC's to email customers or run their entire business online.

We can provide a range of solutions to help deal with this issue:

- Internal network monitoring
- Antivirus software
- Wireless LAN (WLAN) security
- Web filtering
- Firewalls
- Virtual Private Networks (VPN)

Forensic Email Archiving

The use of email has grown rapidly over the past decade and is now a business critical tool at the heart of the majority of organisations.

CNT are able to provide a plug-in forensic email archiving solution that is simple to implement, regardless of an organisation's existing infrastructure or email platform.

Mobile Working

Demand from workers for a better work and life balance is increasingly meaning that mobile and flexible working needs to be an integral part of every organisation.

Typically, a solution is designed using a combination of technologies to address the specific needs of job roles being mobilised. Equipping staff with laptops/PDA's is the starting point and giving them secure access to systems and applications while out of the office is the key to enabling their productivity while out on the road.

Networking

Every organisation will have a requirement for a Local Area Network (LAN) and most will need a Wide Area Network (WAN).

Using best of breed products, our solution is designed, implemented and supported in line with best practice principles.

Data Centre Design

CNT can assist with all aspects of data centre design to an exceptionally high standard. We work with customers that are looking to refurbish or relocate existing data centres, to upgrade or to commit to a new build project.

We work closely with our customers to ensure the very best operating environment to suit their needs and to provide advice and guidance throughout the project. By following this approach we can ensure that the project runs smoothly and to budget whilst meeting current regulation and standards.



Remote Working

With more and more people wanting to and needing to work from home or remotely, giving them access to systems securely is paramount to their productivity and efficiency. A Virtual Private Network (VPN) does just this.

A VPN is an organisations private network which operates across the Internet. As traffic is carried over a public infrastructure, the Internet, securing the VPN is vital.

Server Virtualisation

Organisations run a number of applications and in many cases, more would be used if it wasn't for the cost of purchasing and managing new hardware to host them. Virtualisation is changing that and where multiple servers were required before, a single server with virtualisation applications can do the work of multiple servers.

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Storage Solutions

Sometimes referred to as the network behind the servers, a Storage Area Network (SAN) is a communications infrastructure and a storage system with a management layer to organise connections, storage devices, systems and software so that data is transferred in a secure and robust way. SAN's create new ways of connecting storage to servers, enabling great improvements in availability and performance.

FOCUS

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Thin Client

"Thin client" is a low-cost, centrally-managed computer devoid of CD-ROM players, diskette drives, and expansion slots.

Typically they replace desktop PCs so that users still experience the familiar PC look and feel; they contain no operating system or user application software and internally carry flash memory rather than hard disk.

CNT's thin client solution completely virtualises the desktop which enables users to move from any thin client device to another with the ability to instantly access whatever they were working on.

Virtual Display

Using thin client technology, CNT can provide a virtual display client which is far more cost effective than PC's. Their space saving design makes them ideal for environments with time constraints including call centres, health care, finance and education.



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