CLOUD DISASTER RECOVERY

An IT systems disruption or disaster can lead to catastrophic problems for businesses. Integratech has a range of solutions designed to offer varying levels of protection depending on the needs of your business.

Most businesses have experienced some kind of outage, often resulting in data loss. This can be very frustrating, but luckily in a lot of cases the impact is quite minor. Some disasters, however, can have a near catastrophic impact on a business and make it almost impossible to return to normal, if they are unprepared.

When we think of disaster recovery, we often think of catastrophic disasters like fires or floods, but the reality is that the majority of unplanned downtime and data loss is caused by things like power outages, hardware failure, human error or viruses and malware.

By implementing one of Integratech's cloud disaster recovery solutions, you can save your business precious time and money, and possibly even the business itself.

Cloud Backup

Cloud Backup is designed for organisations requiring a simple, secure and reliable data backup, which would be held offsite. An automatic and fully monitored backup of your server data, folders and files (word documents, excel spreadsheets PDFs, images etc.), is securely completed. In the event of a disaster, your data would be available to retrieve from our highly secure, hosted location. If you need to recover any items then these are available to restore directly.

Cloud Replication

For those companies that require more than just their files and folders protecting, Cloud Replication offers a complete mirror image of your physical and virtual servers- including its data- encrypted and transferred securely to our cloud storage. The images are kept for a prearranged amount of days using high-level replication technology and with the option of storing multiple recovery points. If you need to recover any items, a full copy of your servers, their operating systems, configuration and data is available to retrieve from our highly secure data centre.

Cloud Live

Cloud Live is a totally comprehensive solution for those organisations looking for a full business continuity and disaster recovery service. It offers a complete mirror image of your physical and virtual servers, with the added enhancement that in the event of a disaster, the replicated system images can be invoked securely in our data centre- allowing you to continue to work, as if your main IT systems had not failed.
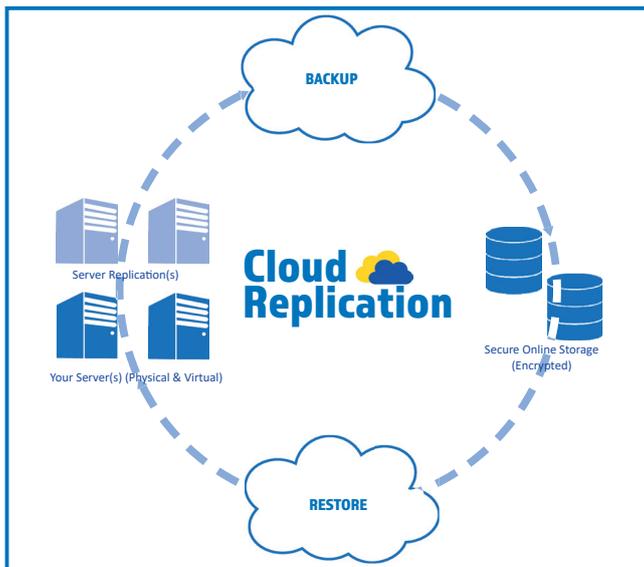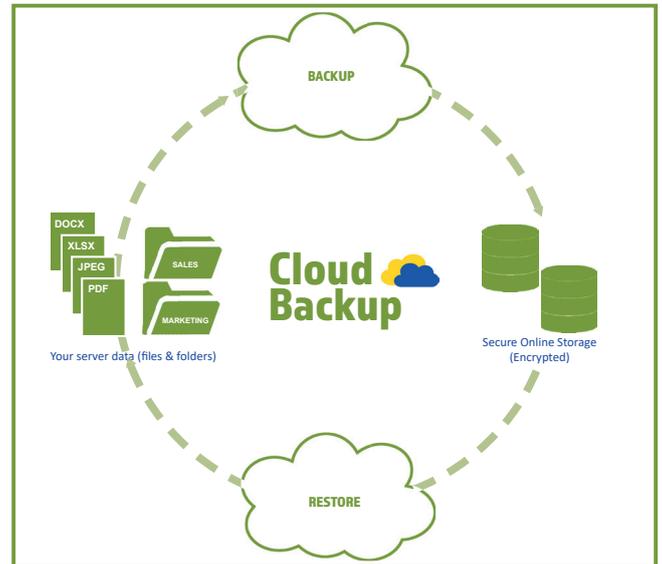
HOW DO THE SOLUTIONS WORK?

Cloud Backup

A secure upload of you folders and files (word documents, excel spreadsheets, PDFs, images etc.) is completed at set intervals (agreed by you) to our offsite storage location.

After the first full backup, future backups are performed incrementally, meaning that only the bits and bytes that have changed will be updated, so saving you precious bandwidth.

The security of your data is assured as not only is it uploaded using an encrypted SSL connection, but it remains encrypted whilst on our cloud servers.

If you need to recover any items then these will be available to restore directly.

Cloud Replication

A complete mirror image of your physical and virtual servers, including its data, is securely transferred to our offsite storage location.

The images are kept for a prearranged number of days, using high-level replication technology and with the option of storing multiple recovery points.

Future images are replicated incrementally, meaning that only the bits and bytes that have changed will be updated.

Should you need to recover any items, then this can be done quickly and securely from the cloud, utilising your own onsite infrastructure.
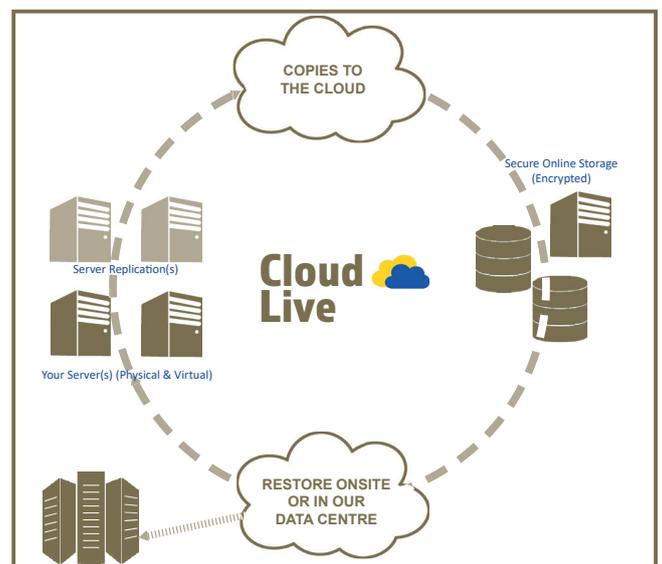
Cloud Live

A complete mirror image of your physical and virtual servers, including its data, is securely transferred to our offsite storage location.

The images are kept for a prearranged number of days, using high-level replication technology and with the option of storing multiple recovery points.

Future images are replicated incrementally, meaning that only the bits and bytes that have changed will be updated.

Should you need to recover any data, or a server, then this can be done quickly and securely from the cloud. However, should you lose access to your site, we can activate your servers in our cloud, giving you continuity of service.

CLOUD DISASTER RECOVERY

WHAT DOES EACH SOLUTION INCLUDE?

	Cloud Backup	Cloud Replication	Cloud Live
Data is kept offsite	✔	✔	✔
Applications are kept offsite	✘	✔	✔
Image-based technology	✘	✔	✔
Automated procedure	✔	✔	✔
Proactive backup and replication monitoring	✔	✔	✔
Backup archives	✔	✔	✔
Image recovery	✘	✔	✔
Data encrypted	✔	✔	✔
Recovery via media	**Option**	**Option**	**Option**
Systems hosted to allow continual working	✘	✘	✔

WHAT DATA CENTRE DO WE USE?

Our UK based Data Centre is IL3/4 compliant. The site was acquired from the US Air Force and was originally used as a command and control centre protecting people and technology from nuclear attack. The construction and security are military-standard. It has steel doors and tempest shielding. Layered on top of this physical inaccessibility is a 24-hour watch, CCTV and a series of sophisticated access controls.

Other specs include:

- Redundant air conditioning units to guarantee stable temperature and humidity @ N+1
- Redundant UPS conditioned power @ N+1
- Diverse Power Supplies with diesel generator back-up @ N+1
- Carrier Neutral Facility

- Multiple Fibre Providers
- Multiple Internet Service Providers
- Diverse independent telco risers from public highway to data floor
- Tempest RFI intrusion protection
- Two separate incoming power supplies with dual diesel generator backup
- Firetrace fire suppression system

Disaster Recovery

WHY YOU NEED DISASTER RECOVERY

What would be the impact on your ability to do business if you were unfortunate enough to suffer a disaster such as hardware error, data breach, virus or malware attack, equipment theft, fire, or less likely, but ultimately still possible, a natural disaster such as a flood?

Disaster recovery planning is never a glamorous task, but in today's IT intensive business climate, it is a necessary part of a successful business strategy. By implementing an independent disaster recovery solution, you can save your business precious time and money, and possibly even the business itself.

ENSURE YOU TEST YOUR DISASTER RECOVERY PLAN

Once you have a disaster recovery plan in place, it is vitally important that you test it so that you and your employees know what to expect if you ever have to use it in a real-life situation. Testing the plan will show how long it would take to retrieve some files or restore a server backup in the event of a disaster. Additionally, testing will uncover invaluable information which you can use to fine-tune your plan.

NEXT STEPS

We can provide you with help through all of the stages, from initial planning, solution selection and implementation, right through to periodic testing and process refinement.

Talk to us about your business and to understand more about the full range of disaster recovery services we have to offer.

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