



A-Server BuDR appliance

A-Server Backup, Disaster Recovery and Business Continuity solution

An increasingly important consideration for business's today is business continuity. What this means in very simple terms is being able to carry on with your core business activities as quickly as possible following any event that interrupts your normal working activities. Business continuity covers all aspects of your business but from an IT perspective it's about making sure that vulnerabilities are reduced in the first place and then providing ways to recover from a situation as quickly as possible should something happen.

It is normal to focus on events such as a fire, theft or flood but in reality these situations are fairly rare. The most common situation we see is when there is some sort of hardware or software fault on either your server or PC's/laptops which in the case of your server will mean a complete loss of all email, data access and often internet access as well, with the amount of time you are down ranging from hours to about 5 days in the event that we needed to order in a new server (if it's been stolen or is too old to source parts for etc.).

If the thought of being without your IT for 5 days is not a concern for your business then simply having a backup is fine but if the thought of this time scale is beyond consideration then you need to do more than just take a backup.

For customers that wish to improve upon this time frame we can supply them with a Backup and Disaster Recovery NAS appliance that will provide the following benefits:-

- Incremental backups can be scheduled to run every 15 minutes so that at any point your backed up data is only ever 15 minutes out of date
- Fast recovery of data as you are using hard drive technology
- Offsite backup facility available so that in the event of a site disaster a new device with your data from the last backup can be commissioned and delivered to any location within 36 hours of the disaster occurring
- Fully automated solution requiring no user intervention if you opt for the offsite backup service. If you don't opt for offsite backup then you would need to change external hard drives to take an offsite backup of the NAS appliance
- In the event of your main server going down we would be able to implement a Standby server as the appliance works as a virtual replacement server and can be **started in about 20 minutes**
- Bare metal restore facility which would allow us to restore you failed server onto a replacement machine in a fraction of the time it would normally take us to install a server from the ground up, thus saving time and labour costs.
- Built in backup and restore capabilities for both exchange and SQL server
- 24/7 monitoring

In essence this device covers all aspects of your backup, DR and business continuity in one box and provides your business with near enterprise class levels of protection and above all piece of mind.

There are a number of devices in the range and the table below shows the costs for each of the products.

	Base 1100t	Advanced 2100t	Advanced 2100r	Xtreme 3100r
BDR Box	Tower	Tower	2U Rack Mount	2U Rack Mount
Capacity*	400GB	1TB	1TB	2TB
Disks	500GB x 2 RAID 1	1TB x 2 RAID 1	1TB x 2 RAID 1	1TB x 4 RAID 10
Max no. servers backed up	2	6	6	10
Virtual Machine Acceleration Volume	100GB shared	160GB x 2 RAID 1 separate RAID array	160GB x 2 RAID 1 separate RAID array	160GB x 2 RAID 1 separate RAID controller
Optional bundled offsite storage per month*	100GB	200GB	200GB	500GB
Cost without offsite storage	£2798	£5198	£5798	£7798
Cost with offsite storage*	£3498	£6348	£6948	£10198
Warranty period	For all models the manufactures warranty is 3 years			

* It is important to recognise that due to the historical incremental files that are held on the NAS you need to purchase a NAS with a capacity that is about double your intended data/emails to be backed up thus if you currently have 300GB of data on your server then the Base 1100t is not going to be suitable.

** Should you exceed the bundled amount of storage space you would be billed on a monthly basis for the excess amount with the current rate being £0.50p per Gigabyte

*** Please note the bundled offsite storage is for a period of 3 years and following this should you wish to continue with the offsite storage service you would be able to pay for this on a monthly basis at a cost per Gigabyte which is currently £0.50p

Additional information:-

- Block level backups (no issue with open files or databases etc.)
- Up to every 15 minutes for better, incremental recovery point objectives.
- Optional, the backups of the NAS can be synchronized daily with our offsite datacenters.
- Backups and transfer are encrypted with *256-bit AES encryption
- Restore individual files, folders and mailboxes
- Restore server operations in 20 minutes or less using virtualization.
- Bare metal restorations directly off the backups, even to dissimilar hardware
- Incremental forever methodology is similar to incremental backups where each incremental performs a backup of all changes since the last backup. This greatly reduces the time it takes to perform backups as each incremental takes only seconds to complete.
- Recovering files and folders is a simple process where the entire server is mounted as a volume on the NAS (Network Attached Storage) device.
- The NAS device has the ability to create a 'standby' of a failed server by creating a virtual image of the failed server without reconfiguration.
- Bare-Metal restore: when restoring the virtualized server back to physical hardware, the bare-metal restore process allows restorations to dissimilar hardware. This function can also be used to migrate an image of an old server to new servers.
- If a problem occurs during any backup or with the hardware, we are quickly notified and take corrective action.
- All images are encrypted with a 256-bit Advanced Encryption Standard (AES) algorithm before being saved on the NAS.
- All images are transferred through a 256-bit encrypted tunnel to the off-site data centre.
- The remote site replicates again to alternate datacenters, creating a total of three copies in three geographically distinct regions.