

July 11, 2008

## **RE: Symantec Backup Exec Setup with High-Rely Backup Unit**

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***Summary: One of the most common backup programs used by our customers is Symantec Backup Exec. This paper will provide the instructional concepts to setup BE with a single and multi-bay High-Rely backup unit.***

With the arrival of your new High-Rely Backup unit comes the decision to use some type of backup software. One of the most commonly used programs is Symantec's Backup Exec.

There are just a few steps necessary to setup any of our backup units with the Backup Exec. To allow for the hot-swapping to work properly, the version of Backup Exec must be 9.1 or higher, only these versions support removable media.

Once the installation of the driver for the eSATA controller has completed simply connect the High-Rely unit with the eSATA cable. Your drives should start appearing in the Disk Management snap-in. If using a USB connection, simply use your onboard USB controller or one recommended with your purchase. Once the drive letters have been setup though HRDM2, (please visit the HRDM2 help file for instructions) you are ready to setup your backups.

It is not necessary to use HRDM2 unless the drives will be swapped in a configuration where more than one drive needs to have the same letter. With a single bay unit multiple drives can be swapped to use the next available drive letter in Windows. Whereas with a multi-

bay unit, HRDM2 will maintain consistency with the drive letters for drives that are being swapped.

For example, with a 7Bay unit, the first set of seven drives will be given drive letters (H, I, J, K, L, M, N) that will be the same as the second set of seven drives being swapped for their corresponding bays. Thus with 21 drives, there will be three drives using the same drive letter (3 Monday's, 3 Tuesdays' 3 Wednesdays...). Usually, they are used in the same bay to avoid inserting them simultaneously (left most is Monday, second left is Tuesday...).

Now that the drives are setup, Backup Exec can be configured to backup to the correct location(s). With a single bay unit the simplest method would be to setup one location and swap drives as needed for offsite backup. With a multi-bay unit like a 7 Bay, devices can be created for each day of the week and can be swapped weekly for offsite backup. The setup is simple.

While in the Backup Exec console choose "Device" tab in the navigation bar. In the Devices section expand the All Devices, expand the computer (listed by computer name), then Backup-to-Disk. Right-Click and choose Removable Backup-to-Disk Devices and create a new folder. Select the drive location that should be used.

There are quite a few options that can be setup when using Backup Exec including the backup-to-disk file size and overwrite/append options. The current default setting for backup-to disk

file size is 4GB which would create a significant number of files depending on the size of your backup. It would reduce the duration of the backup if this size is increased. Thus, optimize it completely by setting the size greater than the backup size. This can be set by viewing the properties of the removable backup-to-disk device. Having less files does pose a greater risk if corruption occurs but with consistent daily backups this should not be a great concern.

Next, once a drive has performed the initial backup it can either be overwritten, appended or overwritten if there is no space left to append to. If appending is required, unless the “overwrite if no appendable” option is selected, the job will fail when the drive becomes full. This can be set within the job setup when “device and media” is selected. Also, compression settings should be set to either “None” or “Software”.

For the 7 Bay, each drive letter should have its own removable backup-to-disk folder. Thus when the seven drives are swapped the backups will perform for set two seamlessly. For further instructions for Backup Exec setup please visit <http://seer.support.veritas.com/docs/253764.htm>.