

## VegBank - Bug #560

### purchase and set up tape backup for vegbank

08/15/2002 12:54 PM - Matt Jones

<b>Status:</b>	Resolved	<b>Start date:</b>	08/15/2002
<b>Priority:</b>	Normal	<b>Due date:</b>	
<b>Assignee:</b>	P. Anderson	<b>% Done:</b>	0%
<b>Category:</b>	misc	<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>	1.1.0	<b>Spent time:</b>	0.00 hour
<b>Bugzilla-Id:</b>	560		
<b>Description</b>			
Need to locate funds for a tape backup for vegbank and purchase. When completed, either John, Mark, or Colby can set it up on the server.			

#### History

##### #1 - 01/29/2003 08:05 PM - Gabriel Farrell

DDS4 seems near the sweet spot regarding cost vs. specs.

Example unit is [http://www.tapebackupandraid.com/tape\\_library/son-sdtd11000pb.asp](http://www.tapebackupandraid.com/tape_library/son-sdtd11000pb.asp)  
It is ~ \$1000 media costing ~\$20

Media is 20G uncompressed, I think we should get near 1:2 compression on what we need to backup -- postgres sql dumps, user loaded files etc.

Speed is 4.8 MB/s assuming 2:1 compression.=> 30G of backup in 1.5 - 2hours .. reasonable.

Plots can be up to 30kb in size (relevant data contained, not the mdb files that are up to 3MB!) ... we expect 200K by next year and up to 1 million after that.  
=> 200K plots =~ 6G

Plots may get bigger ( there is some interest in images being associated with them) but I think this backup technology is sufficient.

Timing of this need:

Vegbank 1.0 with an implicit contract with users of safe storage is scheduled for April 1st ...a foolish and ambitious date but driven by the need to tell NSF we have completed grant 1.

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I have slight knowledge of backup tech but maybe some of the project specific info will be of use. I've been know to mishandle ye olde decimal point so take care.

##### #2 - 05/08/2003 04:04 PM - Michael Lee

move these bugs down in priority as time is running out

##### #3 - 08/18/2003 02:19 PM - P. Anderson

Metallica rules!

##### #4 - 09/03/2003 11:12 AM - P. Anderson

After discussing with JH and Colby, I suggest that we DO NOT install a tape drive on vegbank just yet. Instead, we can automate backups to the new RAID Colby's putting together which will have 2 TB of space.

We can always install a dedicated tape later.

##### #5 - 03/27/2013 02:14 PM - Redmine Admin

Original Bugzilla ID was 560