

How to Create a Backup Set and Configure it to the Media

Introduction:

Amanda Enterprise, a Zmanda product, uses a key policy concept of "Backup Set". It simplifies and optimizes an enterprise-wide backup system with multiple clients protected equally. A Backup Set is a group of one or more DLE's (Disk List Entries). A DLE is a combination of clients and their respective partitions like C: Drive or D: Drive in Windows or /var, /root in linux, applications, file systems, or subdirectories. The backup set also comprises the backup target (Physical Tape Device, Virtual Tape, or Disk), full or incremental backup, scheduling the backup and staging area for tape storage.



Backup Sets allows an administrator to define a set of Backup Policies like What, Where, How, When to different DLE's.

For Example:

We have a Linux server mentioned below that we wish to backup, and then below listed two are considered as two DLE's.

192.168.0.101 : /home

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192.168.0.101 : /var

• Backup Sets are created in Admin -> Backup Sets page in ZMC, as shown below.

Management Console		admin Log Out 😥 🔊 🕅 🖓 🐼 Admin icenses Backup Set: new_test 🔹 🍞 (Advanced Details)
	admin ▼ new_test	Brief Description: new_test Report Display Unit: Megabytes
Comments:	(clear)	Active: new_test Status Backup set is not active (no automatic backups scheduled). Use the Backupinow page to install a schedule using your host server's cron daemon. New Cancel Update

To Configure the Media:

In Zmanda Enterprise, backup sets are configured for backing up the data. It can use a broad range of media devices like Disk, Tape Drive, NDMP tape changer, Google Cloud Storage, or Amazon(S3). Zmanda Enterprise uses native archival tools and can back up a large number of workstations and servers running various versions of Linux, Unix, Mac OS X, or Microsoft Windows operating systems. We ensure that our customers can always recover their data while making backup simple, secure, and cost-effective.

You can select and configure the target device for Backup in Admin -> Devices page as shown below.

About User Guide Feedback		Search Docs Report Restore Admin ferences audit licenses	admin Log Out 🔀 🗞 🕅 🖗 🐼 Backup Set: 🕵 two
	es for backup sets by choosing a type of de below to edit an existing device.	evice to X	
Create Storage Device			0
Attached Storage	Simplified Disk Disk/NAS/SAN	Cloud Storage	(S3)



In Disk Device Media, ZMC fills the data in /var/lib/amanda/disk/ by default. You can adjust this path to your server's requirements.

- The amandabackup user must have permission to write to this directory.
- Multiple Backup Sets can use same disk target directory i.e (/var/lib/amanda/disk). The backup sets will be stored in a directory of the same name as the Backup Set.

Below image shows Disk Storage selected as media:

Zmanda Management Console Amanda Backup Vault Monitor Rep		admin Log Out	
About User Guide Feedback users backup sets devices prefere	nces audit licenses Backup	Set: new_test	· · ·
Edit : Disk/NAS/SAN Device	0		
Name*: Local4TB			
Comments:			
Root Path*: /mnt/4tb/amanda			
Advanced Options ?	Each backupset will use a subdirectory under this		
(root path. If you need a different root path for a different backup set, then create a new device		
	profile.		
View and edit backup set devices	Root Path is discussed in more detail here.		3
All Type Device Name Status	Path Comments Used Wi	La	st Modified By

Amazon S3 Device:

Amazon S3 storage device requires Access key and Secret Key of your Amazon S3 Account as described in Setting up an Amazon S3 Account for Use with Amanda access keys allow you to securely control access to AWS services and resources for your users.

Example:

Access key ID example: AKIAIOSFODNN7EXAMPLE

Secret access key example: wJalrXUtnFEMI/K7MDENG/bPxRfiCYEXAMPLEKEY

		Search Docs		
Amanda	Backup Vault Monitor Report	Restore Adm		
About User Guide Feedback	users backup sets devices preferences	audit licenses	Backup Set:	Please select
Create : Amazon Simple	Storage Service (S3) Device	0		
Name*:				
Comments:				
Access Key*:				
Secret Key*:				
User Token:				
Storage Option:	Reduced Redundancy (RRS)			
Advanced Options (2)				
		Cancel Add		

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Tape Changer Device:

In tape Changer Device, a list of tape changers sensed by the operating system and the ZMC are displayed. When you choose one changer, the number of drives in the changer and tape storage slots are also displayed. The devices must be readable and writeable by amandabackup user. Tape Size must also be specified.

The below image show, tape changer selected as media.

About User Guide Feedback User's backup sets devices preferences audit licenses	admin Log Out 😥 🕅 Backup Set: Please select 🔻 🕢	0
Create : Changer Library Device	Changer/Tape Unit Details	Ø
Name*: Comments: Tape Changer*: Please Select Tape Size*: 0 GiB Native Size	Coole Minutes [2:0:0:0] mcdiums STK LT00 0105 /dev/sg8 [7:0:1:0] tape IBM ULTSS0=TD5 0105 /dev/sg1 [7:0:1:0] tape IBM ULTSS0=TD5 0105 /dev/sg1 [7:0:1:0] tape IBM ULTSS0=TD5 0105 /dev/sg1 [7:0:1:0] tape IBM ULTSS0=TD6 0105 /dev/sg1 [7:0:1:0] tape IBM ULTSS0=TD4 0105 /dev/sg1 [7:0:1:0] tape IBM ULTSS0=TD4 0105 /dev/sg1 [7:0:1:0] tape STK TL0000B 0105 /dev/st1 /dev/sg2 [7:0:1:0] tape STK TL0000B 0105 /dev/st5 /dev/sg3 [7:0:1:1:0] tape STK TL0000B 0105 /dev/st5 /dev/sg3 [7:0:1:1:0] tape STK TL0000B 0105 /dev/sg4 /dev/sg3 [7:0:1:1:0] tape STK	
Advanced Options Cancel Add	Attached devices:	Refres

Please follow the above steps to create a backup set and configure it to the media.

You can reach us at <u>Zsupport@betsol.com</u> or give us a call at 888-496-2632 (U.S.)/ 408-732-3208 (INTL).