Epicor Eagle™ Archiving SDBU Backup Data





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Contents

Background	4
Procedure	4
Questions You May Have	9

Background

Since its inception, the SDBU backup service has provided its customers with the ability to recover data going back as far as seven days. The data can be restored from the local backup appliance in normal circumstances, or from the Epicor Data Center in the event of a site-wide disaster where the local backup appliance may no longer exist. However, customers have occasionally asked how they can archive SDBU backups in order to remain in compliance with varying state and federal regulations that might apply to them. They want the ability to save point-in-time snapshots of their ERP server's data set going back for months or years.

The newest version of the SDBU local backup appliance, released in late May of 2014, provides an "Archive Data" feature developed for this very purpose. In short, at any point in time, a customer can attach an off-the-shelf portable USB hard drive to the appliance, log into the appliance's web-based dashboard, and choose to "archive" their most recent backup data onto the USB hard drive. Simply choose the "client" (server) for which to archive the data (i.e., the ERP server), specify a folder name that you would like the data stored under, and proceed. The data for the specified client will then be restored onto the portable hard drive and into the specified folder. As long as it is large enough, the same hard drive can be used repeatedly by specifying different folder names each time. After the process completes, the drive can then be stored in an off-site location, and serve as an archival "point-in-time snapshot" of the selected server's data set. This procedure can be done during normal business hours because the ERP server (Eagle, Compass, Falcon, etc.) is not involved in any way.

IMPORTANT: Any portable hard drive used for this procedure must be dedicated to this procedure. The portable hard drive must be initially formatted with a linux filesystem. The web dashboard enables you to perform this operation if necessary. This format is destructive and will erase any files currently on the portable hard drive. In other words, don't use a portable hard drive that is already being used for storing documents or other files, and use it for archiving unless you are willing to lose the existing documents and/or files.

Procedure

- 1. Connect the portable hard drive to a USB port on the front of the SDBU appliance. If your hard drive is USB 3.0 compatible, use one of the top two ports on the front, which are marked with an "SS" in addition to the little USB symbol. Those are USB 3.0 super speed ports.
- Open your web browser and connect to the web dashboard of the local SDBU backup appliance. Your LPS should have made you familiar with this process at the time of installation. In short, follow these guidelines:
 - Use either Mozilla Firefox or Google Chrome as your web browser.
 - You should configure your browser to allow pop-ups.
 - You have to know the IP address of the local SDBU backup appliance.
 - Use "macontrol" as the login account to the web dashboard. You should have set a password during initial installation with the LPS.
- 3. Once connected, navigate to the "External Disk Status" menu. Simply click "Status," then select "Exernal Disk Status." NOTE: If there is a delay in between making these selections, that is normal, because the appliance is communicating with the Epicor data center in the background. If your

portable drive was detected correctly, that should be indicated in the status table. If the portable drive has never been used for archiving before, you will need to format it. If the portable drive has been used for archiving in the past, there should be no need to format it, and a list of the existing folders will display.

4. See the screenshots below, which depict the formatting process. The first screenshot illustrates that this drive needs formatting:

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Detected	Disk	Partitioned	Formatted	Labeled	Mountable by Label	Status	
r onnar o	CC DIS	Disk Targ	et: [usb-Maxt	tor_OneTo	uch_Y34QKJJE-0:0] [/d	lev/sdc]	

The next screenshot is what you'll see after clicking "Format USB Disk." When the format is under way, at the top left, a little whirly-gig is whirling around to let you know it is running.

	Dashboard Configure Control Download Installer Statu
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ou will be notified when the format has comp	pleted. It may take several minutes depending on hard disk size.
fou will be notified when the format has comp	pleted. It may take several minutes depending on hard disk size.

After a few minutes, you are notified that the format operation was successful:

	The page at https://10.27.89.38:10000 says		×			
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		ок	itrol	Download	Installer	Status
•			_			
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You will be notified when the forma	at has completed. It may take several minutes d	ependir	ng on I	hard disk size	e.	
					EP	ICOR.

5. Once the formatting has completed, you can return to the "External Disk Status" page. The screenshot below is from a situation where an already-used drive is attached, and you'll see it looks quite a bit different. Note that the "Status" of the drive is "OK." Note that there are already some existing folders on this drive. Most importantly, now that a useable portable drive is present, note the addition of the link at the bottom of the page called "Archive Data." Click that link.

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6. Enter the "Archive Data" menu, and you get something like this:

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222222_eagle	Linux	222222_eagle	EagleData			Arch	nive Data		
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Note the above table. The backup appliance has logged into the Epicor Data Center in order to figure out what backup Clients it serves so it can draw the table correctly. In this example, there are both Compass and Eagle servers that back up to this appliance regularly.

Continuing with our example, let's say it is April 1, 2014, and you want to archive your Compass Data as of March month-end (i.e., as of the prior night's backup). Type in the desired "Destination Folder" name, (for example, something like "Mar_2014_Compass"), then click the appropriate "Archive Data" button. NOTE: The destination folder name is limited to 26 characters and no spaces are allowed. See the screenshot below for an example.

EL8045 Archiving SDBU Backup Data

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	Linux	222222 eagle	EagleData			Arch	nive Data		
22222_compass	Linux	222222_eagle	EagleData	Mar_2014_C	ompass	Arch	nive Data		

7. The next screen shot is after clicking the button for archiving the Compass server data. The Log Viewer has been started, so you can watch a restore log while the restore runs.

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If you are using the Log Viewer, it might indicate that the restore is complete. HOWEVER, please wait for a pop-up alert that will require you to click "OK" to proceed. There is typically a slight delay between the two. It is important to give the process time to complete so that the portable hard drive can be un-mounted in the background properly. The screen shot below illustrates the desired pop-up indicating the restore job is complete:

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If in the above example, you were viewing the log, don't forget to click "Stop Log" once you have acknowledged the pop-up alert.



8. If you go back to the External Disk Status page while the disk is still attached, you will see how additional space has been used up on the portable hard drive, and you will also see the folder into which you just archived data, and how much space is being used:

SDBU -	Ext	ernal Dis	k Status			Dashboard Co	onfigure	Control	Download	Installer	Status
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9. Simply click "Sign Out" at the bottom of the screen. Don't forget to detach your portable hard drive and store it somewhere safe.

Questions You May Have

What type of portable USB hard drive can I use for this purpose?	Almost any off-the-shelf portable USB drive should work. If it were big enough to accommodate your data set, you could even use a "thumb drive." We cannot guarantee all drives will work, as there are hundreds available in the marketplace. Epicor sells the Dell RD1000 external drive enclosure, which utilizes individual drive cartridges.
How big does the portable USB hard drive need to be?	The drive size that is required depends on several factors. The most basic requirement is that it be capable of holding the amount of data that will be restored onto it. Support can assist you in determining that information if you don't already know it. The second consideration is, how many sets of data do you wish to keep on one drive. Remember, you will be archiving the data into folders. If, for example, you want to store 12 archives on one portable hard drive, it will need to be big enough to hold 12 sets of data.
What is actually on the drive after archiving data?	After archiving data, what is on the drive is exactly what was backed up most recently for the client for which you chose to archive data. For example, if you archive data for an Eagle server during the middle of the day on Wednesday, and the most recent Eagle data backup was Tuesday night, you'll restore onto the portable hard drive the Eagle data as of Tuesday night when that most recent backup ran. It is important to understand that there is really no choice other than to archive your most recent backup. You cannot, at this time, choose to archive data from a backup that occurred several days in the past.
How long will archiving take?	If you know how long your nightly SDBU backup takes, that should give you a pretty good approximation of how long archiving will take.
If I receive a request for past data, such as if an auditor calls me and wants sales information from last year, and I have my data archived onto portable storage, how do I access it?	Contact software support as you normally would, and explain the situation to them. More than likely, your LPS would be involved, as would Technical Services, and accessing that data may end up being a billable project.