## MANAGE DISK FAILURE: MANUAL REBUILD

This section describes the procedure for manually rebuilding a degraded array when Auto-Rebuild is disabled and a dedicated spare drive is not available. You must have at least one unconfigured hard drive in the enclosure to perform the steps below.

## **REBUILDING A DEGRADED ARRAY**

- 1. Select the degraded array in the Storage pane. You will recognize the degraded array by its yellow icon.
- 2. Roll over the **Operation** tab and select **Rebuild**.

				_							
St	orage		Property	Create VD	Operation						
Storag	e Managem	ent			Rebuild			Modify	Restore		
- Device			Disk array 1 curr	ent storage alloca i	Migrate			assigned	free		
÷	Adapter 0				Delete Array						
•	Array 0	(Three Disks)	VD1		Delete Array						
F	Viet	tual Disk 1: (BAID 1)									
	Physical De	vices	ID				1				
	- SPhy	sical Disk: port 0	Name				Two Disks				
	- Phy	sical Disk: port 1	Disk Write Cach	ie							
		sical Disk: port 2	RAID Level				RAID 1				
	Phy	sical Disk: port 5	Status				PD Missing				
	- Phy	sical Disk: port 6	Total City				3 726 0 GB				
	Phy	sical Disk: port 7	lotal Size				3,726.0 GB				
Manag	E_Management			tivity State			None				
- 9	Section Section						512 B				
	BGA Sched	ule Setting	Stripe Size				256 K				
Even	Logers	00+218 /Total Ex	(ontri 218)	Save )	Clear )			(3)	000		
LVCII	Logs()	.99~218/10tal EV	Time		cicar		Becelation				
	Adapter Class Time						Description				
	0 PD Event 04,		04/30/2014 11:31	Physical disk 6 l	nas been unset as spare driv	ve					
0	0 Monitor Event 04		04/30/2014 11:30	Adapter 0 identification is off							
•••	0 Monitor Event 04,			Adapter 0 Identification is on							
	A 0 VD Event 04/20/2014.11		04/20/2014 11-20	Mistual Dials 1 in	in desceded				_		

3. LaCie RAID Manager displays hard drives that have not been added to an array.

St	orage			Property	Create VD	Operation			
Storage Management							This operation will rebuild with selected Physical Disk on the Array (Name: Two Disks)		
Device				SATA 3,726.0 GB (3,725.9 GB) ID : 6	SATA 3,726.0 GB (3,725.9 GB) ID : 7	SATA 3,726.0 GB (3,725.9 GB) ID : 8			
Wirtual Disk 1: (KAID 1)  Physical Disk: port 0 Physical Disk: port 1 Physical Disk: port 2 Physical Disk: port 3 Physical Disk: port 5 Physical Disk: port 5									
Manag	ement	sical Disk: port 7							
						(Sut	mit) 🤇	ancel	
Even	Event Logs(199~218/Total Events:218)				Save	Clear		00	00
Adapter Class			Time			Description			
0	0	PD Event	04/3	30/2014 11:31	Physical disk	6 has been uns	et as spare drive		0
0	0	Monitor Event	04/3	30/2014 11:30	Adapter 0 ide	entification is off			
•	0	Monitor Event	04/3	30/2014 11:29	Adapter 0 ide	entification is on			
A	-	UD Eugat	04/3	0/2014 11.20	Mistual Diale	hohereded		_	

4. Select a hard drive from the list and choose **Submit**.

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S	torage			Property	Create VD	Operatio	0III										
Storage Management This operation will rebuild with selected Physical Disk on the Array (Name: Two Dis									isks)								
- Device					2	-											
B-4	Adapter 0			SATA	SATA	SATA											
Array 0: (Three Disks)				3,726.0 GB	3,726.0 GB	3,726.0 GB											
9	Array 1	I: (Two Disks)		ID : 6	ID : 7	ID : 8											
	- Wir	tual Disk 1: (RAID 1)															
6	Physical Do	rvices															
	- SPhy	sical Disk: port 0															
	- SPhy	vsical Disk: port 1	-														
	- SPhy	vsical Disk: port 2	1														
	- SPhy	vsical Disk: port 3															
	Phy	vsical Disk: port 5															
	- Phy	vsical Disk: port 6															
	- Phy	sical Disk: port 7															
E_Manag	ement																
-9	Account Ma	anagement															
- E	Email Notif	y Setting															
- E	BGA Sched	ule Setting															
			_												Submit	Cance	el
AT.																200	
Even	t Logs()	199~218/Total Ev	ents:2	18)	Save	Clear										000	10
	Adapter	Class		Time							Description	n					
0	0	PD Event	04/3	30/2014 11:31	Physical disk	6 has been un	iset as spare driv	ve									0
0	0	Monitor Event	04/3	30/2014 11:30	Adapter 0 ide	intification is of	off										
•	0	Monitor Event	04/3	30/2014 11:29	Adapter 0 ide	intification is o	n										
A	0	VD Event	04/3	0/2014 11.20	Mistual Diale	in descended	_	_	_	_	_	_	_	_		_	

5. Choose the Property tab for the array. The Background Activity State shows that the rebuild is running.

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St	torage			Property	Create VD Operation							
Storag	ge Managem	ent				Modify Restore						
-Device				Disk array 1 curre	Disk array 1 current storage allocation:							
e-@	Adapter 0											
	Array (	: (Three Disks)		VD1								
e	Array	: (Two Disks)										
	Physical De	tual Disk 1: (RAID 1)		ID		1						
	- Sph	vsical Disk: port 0		Name	Two Disks							
		vsical Disk: port 1 vsical Disk: port 2		Disk Write Cach	e	ON ○OFF						
	Phy	vsical Disk: port 3		RAID Level		RAID 1						
	- Phy Phy Phy	vsical Disk: port 5		Status		PD Missing						
	Phy	sical Disk: port 7		Total Size		3,726.0 GB						
Management				Background Act	ivity State	Rebuild running						
- 2	Account Ma	snagement v Setting		Disk Block Size		512 B						
BGA Schedule Setting				Stripe Size		256 K						
AT						223						
Even	t Logs(	200~219/Total Ev	rents:2	219)	Save Clear	0000						
	Adapter Class			Time		Description						
0	0 VD Event 04/3			30/2014 11:34	Rebuild disk on virtual disk 1 started	0						
0	0 PD Event 04/		30/2014 11:31	Physical disk 6 has been unset as spare drive								
0	0 Monitor Event 04/30/2014 11:30			30/2014 11:30	Adapter 0 identification is off							