StorSave????????????. ????????BBU?????????. ?????????PDF???:

LSI_3ware_StorSave_TechBrief_072309.pdf

??????, StorSave?????????, ????????????. ?BBU????????????.

Unit Policies (Controller ID 0)	Write Cache	Read Cache	Auto Verify	Overwrite ECC	Queuing	StorSave	Rapid RAID Recovery
Unit 0 [SINGLE DISK]	☑	Intelligent ▼	☑	--	☑	Balance ▼	--
Unit 1 [RAID 5]	☑	Intelligent ▼	☑	☐	☑	Balance ▼	All ▼
						Protection	
						Balance	
						Performance	

Unit Names (Controller ID 0)

?????StorSave???????: Protection, Balance?Performance:

	Protection	Balanced (Default)	Performance
Definition	Maximum data protection, but slower performance.	More data protection than *Performance* but less data protection than *Protection*.	Maximum performance for the unit, but less data protection.
FUA (Force Unit Access)	Honor FUA (If no BBU is present) Ignore FUA (If BBU is present)	Honor FUA (If no BBU is present) Ignore FUA (If BBU is present)	Ignore FUA
Write Journaling	Enabled	Disabled, if no BBU present. (Enabled, if BBU is present.)	Disabled (If BBU is present, this essentially disables the BBU for this unit.)
Disable Cache on Degrade	Enabled	Disabled	Disabled

Balance?????????, ???????, ??????BBU, Write-journaling?????. ??Auto-resume???????. ?FUA???Write-back Cache????, ??????:

FUA (Force Unit Access). The FUA bit is a way that the RAID controller or a program (such as a database program) can ensure that data is actually written to the disk drive media, and is not stored in cache. When a write command has the FUA bit set, then the disk drive will only issue "command complete" to the controller once the data is written to media. When performance is considered more important than protection, it may be desirable to ignore the FUA bit.

The Protection and Balanced profiles honor FUA commands if no BBU is present; the Performance profile ignores them regardless of whether a BBU is present.

If you use a battery backup unit (BBU), FUA is ignored, because the BBU preserves the contents of the controller cache memory for a limited period of time (up to 72 hours), in the event of a power failure.

????Balance?, ?????BBU, honor BBU???hot data?????PD, ???????. ?????????, Performance?????cache buffer? ?????.

?????CLI????????StorSave?????:

```
/cx/ux set storsave=protect|balance|perform [quiet]  (9550SX and higher)
```

???????, BBU???????, ??????????, ????I/O??????. honor FUA?ignore FUA???????30~35%??..