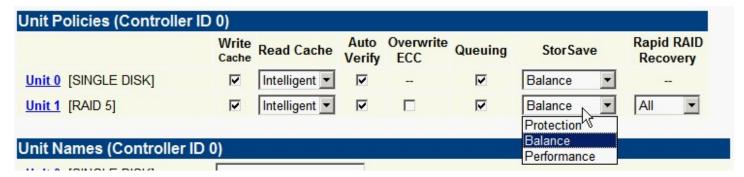
StorSave?????????????BBU?????????????PDF???:

LSI 3ware StorSave TechBrief 072309.pdf

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



?????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. | the unit, but less data |
| 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] (95508% and higher)

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