

How to Enable Write Cache on SATA HDDs for HP ProLiant ML100 series and ML310/DL320 Servers



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Changing the Disk Write Cache (DWC) setting from Embedded SATA Controller

- To enable or disable the drive write cache for an array:
 - **1.** From the main menu of the array configuration utility, select **Manage Arrays**, and press the **Enter** key.
 - **2.** From the List of Arrays, select the array for which you want to modify the write cache setting, and press the **Ctrl+W** keys. A dialog box appears asking you to confirm that you want to modify the setting.
 - **3.** Press the **Y** key to change the current setting.

Information for how to enable write cache on embedded SATA HDDs controller for ML100 series and ML310/DL320s

Platform	Controller	Operating Mode	Changing the disk write cache setting	Online User Guides
ML110 G4/G5	Integrated	Non-RAID (default)	http://h20000.www2.hp.com/bc/docs/support/SupportManual/c00191707/c00191707.pdf?jumpid=reg_R1002_USEN	Page 31 of 54
ML110 G4/G5	Integrated	SW RAID	http://bizsupport.austin.hp.com/bc/docs/support/SupportManual/c00771065/c00771065.pdf	Page 7 of 16
ML150 G3	Integrated	Non-RAID (default)	http://h20000.www2.hp.com/bc/docs/support/SupportManual/c00191707/c00191707.pdf?jumpid=reg_R1002_USEN	Page 31 of 54
ML150 G3	Integrated	SW RAID	http://bizsupport.austin.hp.com/bc/docs/support/SupportManual/c00771065/c00771065.pdf	Page 7 of 16
ML310 G4/G5	Integrated	Non-RAID (default)	http://h20000.www2.hp.com/bc/docs/support/SupportManual/c00191707/c00191707.pdf?jumpid=reg_R1002_USEN	Page 31 of 54
ML310 G4/G5	Integrated	SW RAID	http://bizsupport.austin.hp.com/bc/docs/support/SupportManual/c00771065/c00771065.pdf	Page 7 of 16
DL140 G3	Integrated	Non-RAID (default)	http://h20000.www2.hp.com/bc/docs/support/SupportManual/c00191707/c00191707.pdf?jumpid=reg_R1002_USEN	Page 31 of 54
DL140 G3	Integrated	SW RAID	http://bizsupport.austin.hp.com/bc/docs/support/SupportManual/c00771065/c00771065.pdf	Page 7 of 16
DL320 G5/G5p	Integrated	Non-RAID (default)	http://h20000.www2.hp.com/bc/docs/support/SupportManual/c00191707/c00191707.pdf?jumpid=reg_R1002_USEN	Page 31 of 54
DL320 G5/G5p	Integrated	SW RAID	http://bizsupport.austin.hp.com/bc/docs/support/SupportManual/c00771065/c00771065.pdf	Page 7 of 16

Drive Write Cache (DWC), which improves hard drive write performance, is available as a configuration option for drives connected to

HP Smart Array P400/P400i (SA-P400/P400i),

HP Smart Array E500 (SA-E500),

HP Smart Array P800 (SA-P800)

running firmware version 4.06 or later.

How to enable write cache on SATA HDDs for ML100 series and ML310/DL320s with HP Smart Array Controller

Platform	Controller	How to enable write cache on SATA HDDs
ML 310 G3/G4/G5; DL320 G4/G5; DL320s	P400	http://h41302.www4.hp.com/km/saw/view.do?docId=emr_na-c01149818
ML350G5	P400i	http://h41302.www4.hp.com/km/saw/view.do?docId=emr_na-c01149818
ML 310 G3/G4/G5; DL320 G4/G5; DL320s	E500	http://h41302.www4.hp.com/km/saw/view.do?docId=emr_na-c01149818
ML 310 G4/G5; DL320 G4,G5	P800	http://h41302.www4.hp.com/km/saw/view.do?docId=emr_na-c01149818

ML110 G4/G5; ML150G3/G5; ML310 G3/G4/G5; DL320 G4, G5	E200	DWC is not available from E200. Will be Available in January, 2008
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