Subject: Delete with Cascade
Posted by gpatti on Tue, 23 Nov 2010 13:30:07 GMT
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I have a couple of tables which have a master/detail relationship and delete integrity set to cascade. I've noticed that if I delete a master record (from a LIST screen) the delete operation can take a long time and even occasionally times out. Typically, there may be 200 - 250 detail rows related to the master row (so not huge numbers).

As far as I know my indexes are all set correctly. Is the performance possibly related to the frameowrk iterating each detail row and deleting it separately?

If so would a better solution be for me to remove the cascade option and manually delete the details rows on deletion of a master row in a single transaction?

Thanks,

Graham

Subject: Re: Delete with Cascade
Posted by AJM on Wed, 24 Nov 2010 18:57:34 GMT
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Yes. Each child record is read individually so that the deleteRecord() method can be called to deal with any grandchildren (and great-grandchildren, et cetera). If you have audit logging turned on then eah deleted record is also written to the log file.

If you want to turn logging off for deletes you can set $this->audit_logging to FALSE in the _cm_pre_deleteRecord() method an back to TRUE in the _cm_post_deleteRecord() method.

If you want to delete all children and ignore the possibilty of grandchildren you can insert code in the _cm_pre_deleteRecord() method to cycle through the array of child tables and perform a deleteSelection() on each one. This will then delete any child records on that table without having to read them first.