

Datalogging storage question

Source:

<http://coding.derkeiler.com/Archive/Delphi/borland.public.delphi.thirdpartytools.general/2004-01/0706.html>

From: matt laver (*matthew.laver_at_NOSPAMstcenergy.com*)

Date: 01/19/04

Date: Mon, 19 Jan 2004 11:37:56 +0000

Hello,

I am currently writing a datalogging application and am now wondering how to handle the data storage. My application could be logging data as frequent as every second for long durations (many months). It could also have multiple channels of data being logged at the same time, each labeled with a datetime stamp.

The application is not client/server but will have new data that needs writing to a persistent store while a user examines historic data at the same time.

I want the application to be a single install so using a database server like SQL Server, MySQL, etc is out of the question.

I could roll my own data storage file format, however I'm concerned about the time taken to do this as my application is multithreaded so could cause headaches when I have multiple writes, etc.

At the moment I am thinking about using Turbopowers FlashFiler as it can compile into my application and will allow me to use SQL statements to harvest historic data for reports.

Does anyone have any advise or better suggestions?

Thanks

Matt