**Multiband Corporation**

Memorandum

Multiband Corporation Information Technology Manager

Casey Bladow, IT Consultant

December 3rd 2013

Feasibility of Current Operating System Performance

I am happy to attach my feasibility report of your companies’ current computer performance issues.

The report shows that your current computer systems are riddled with old unused registry keys, files and folders, and other misc. unused data. With an initial cost under $40 per PC, I believe CCleaner Business Edition, a simple cleaning software, ran on all these machines, will drastically increase the performance of each machine. CCleaner will also boost security and reduce system crashes. CCleaner also always discounts when buying more than one license at a time.

The next step would be to begin purchasing the licenses and installing the software on each system.

I’m ready to begin this project as soon as the appropriate approval is given for me to start buying licenses for each system inside the company. Please fell free to contact me with any questions that you may have.

December 2013

**Evaluation of Current PC Speeds affecting Workers Performance**

by

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# Executive Summary

I recommend a simple PC cleaning software be installed and ran at every workstation inside Multiband, due to the issues you have been having with slow computer responses and system crashes. It is very inefficient for a business to be working at half speed only because the systems need a simple cleaning.

To fix these problems, I analyzed three different possible solutions that would work within your current setup.

* Installing CCleaner Business Edition at each station starting at a cost of $34.99 a license
* Replace each current system with a new PC at a starting cost of $399.99 per station
* Ignore the problem and continue work as is

I recommend the first solution of buying and installing CCleaner on each computer station. This would be the most effective way to fix any slow response times on each machine. Also, costing the least of the three possibilities in the long run.

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# Introduction

Currently no computer system inside Multiband has any sort of system cleaner installed on their operating systems. This creates computers, which have been being used for years now, to collect old unused data, registry keys, Internet cache, and other misc. data that is doing nothing but slowing down the PC’s performance. Not only is this slowing down performance but it is also eating up valuable space in the RAM and on the Hard Drive Disc, again wasting valuable and what could be useful tools.

Almost every business has some sort of system set up to destroy old unused data. This is a necessity when dealing with sensitive data of an old clients or employee. This is information you do not want sitting idle and potentially vulnerable to an outside user to steal. CCleaner can handle this job as well. So, not only will it clean up and speed up the overall performance of each users station, it will also create a safe environment to be passed along to another user inside the company.

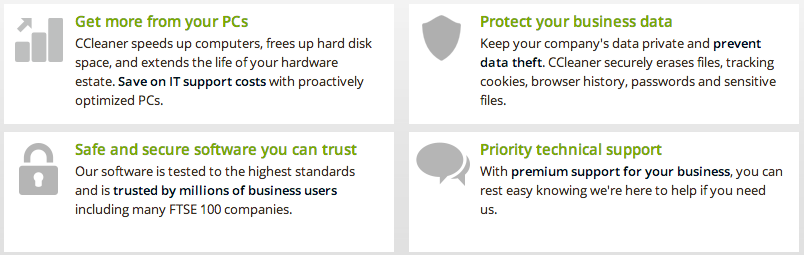
To determine the best course of action for the Multiband Corporation, I have researched each possible solution and give specific details in the report. I conclude that installing CCleaner would be the best solution to your current PC setup.

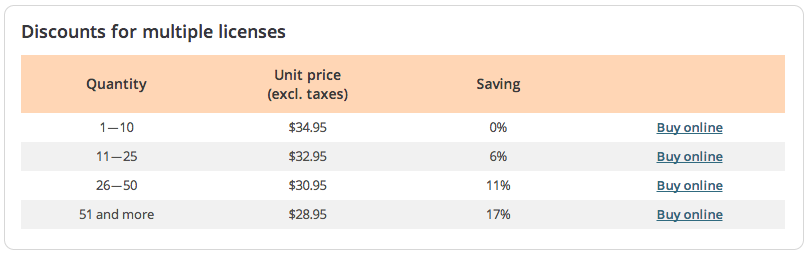
# Overview of Possible Solutions

I have researched three different possible solutions for your PC setup.

## CCleaner Business Edition

CCleaner can be purchased through their Piriforms’ website and installed at each workstation accordingly. The cost to get this done would be fairly cheap and the installation part would just be a little bit time consuming. Once the software is installed it basically runs itself and does the rest of the magic for you.





## Replace PC systems - Out with the Old, in with the New

While this may sound the most intriguing, the costs of it would be a little impractical when there’s a much cheaper solution, and there is nothing-major wrong with any of the current PC systems. The current systems are not outdated by any means and do not need to be replaced entirely.

Replacing each workstation with a brand new PC system would start at a cost around $400.00 per unit. Effectively, 100% more than what it would cost to install a system cleaner on each workstation. Not to mention the labor it would cost to hire a team to come in and remove the old systems, and then install all of the new systems.

## Ignore the Problem

This is an option that I would be absolutely against. In fact, lets be blunt, you wouldn’t have called me for advice if this were an option. Every business needs a method of keeping their PCs working at optimal performance and pumping out the business that keeps profits heading in the right direction. Although this solution, at the very moment, costs you nothing, in the long run it will. And I believe its safe to say that it already is.

# Evaluate Criteria

The criteria I used to judge each of these possible solutions is incredibly simple. Three very basic key points that really point out the obvious winner.

* **Cost –** Every business is trying to get the most done while spending the least amount of money on the companies’ dime. So I used this to explain how much each solution would cost the company.
* **Implementation –** This addresses how easily the solutions would be to implement, focusing on user downtime and costs as well.
* **Maintainability –** Since you plan on using these PCs for years to come, they must be easy to maintain with minimal costs and upgrades.

# Research Method

My research is based on a combination of personal experience, 6 years of college education, and Internet resources. I have A.S. in Information Technology and am currently pursuing my B.S. in Computer Science Information Technology with a minor in Computer Science. I’ve been tinkering with computer systems my entire life and know the importance of keeping them clean and performing at 100%. Technical information, as well as costs associated, was retrieved from the respective company websites.

# Evaluation

Each of my possible solutions was evaluated based on the criteria stated above. The next few sections are an explanation of the outcome of those evaluations.

## Cost

The solutions I cover range greatly from ignoring the problem and costing nothing to replacing each individual system and spending several thousands of dollars to complete.

When it comes to simply implementing software to do your cleaning for you we see a subtle range starting cheap and costing a lot more than what I consider reasonable. This is why I choose software that would cover all aspects for a reasonable price per license. Even getting a deal when multiple licenses are being purchased. A few hundred dollars and minimal labor costs this would be the most effective and efficient route.

Replacing every computer in the corporation would cost you anywhere from a few hundred dollars per system per workstation. And on top of that you would have countless hours of labor costs removing and then installing the new computers. This route would cost way more than its worth and within a few months you would be right back where we started. Do you plan on replacing every system every few years? I wouldn’t think so.

Ignoring the problem is already costing your company performance and effectively the amount of work that is being done at any given time. Continuation of ignoring this problem will only cause the computers to run slower and less efficiently. Thus, costing the company more money in the long run. Potentially even leading to a leak of sensitive information and landing you into larger troubles.

## Implementation

Of course downloading, installing, and running software in a large corporation will take a little time. I wouldn’t bet any more than a day, and not more than an hour for each workstation. Making installation of CCleaner the best solution.

As mentioned in the cost section, removing, and installing brand new systems across the entire company would take a long time. Depending on how many specifically I would expect at least a few days of downtime to get everything set back up the way it should be for profitable business. This is not a smart decision.

Ignoring the problem, well, I wouldn’t have to do anything. But you can continue to expect more work for IT’s within the business, slower performance, and even more computer crashes. This problem won’t solve itself.

## Maintainability

CCleaner is incredibly easy to set up and use. It can even be set up to run automatically when people are out of the office, assuring that your systems will always be running at 100% with no extra garbage slowing them down. It will be set up to automatically upgrade itself as well, requiring zero interaction from any employee within the company.

Simply removing and installing new PCs wont solve this problem. And within a few months, if you’re lucky, you will find yourself in these same exact shoes looking for a solution to why even these new computers are crashing and not performing at what they should be.

If you want to keep your IT guys busy, your employees frustrated, and your overall performance way lower than it should be, then by all means ignore this problem. Job security is a good thing for any IT professional, but it’s eventually going to become impossible to maintain your current system without taking any preemptive measures when it comes to basic security and cleaning of these systems.

# Conclusion

CCleaner Business Edition fulfills all the needs that you are looking for. It is cheap, requires minimal downtime, incredibly easy to maintain, will speed up the computer systems and increase the overall security of the Multiband Corporation. There are several other major corporations that already use Piriform technologies and I feel would be the wisest solution to all of Multibands current problems.

# Recommendations

I recommend that you purchase CCleaner Business Edition and however licenses you may need. You will need one for each individual PC but I believe the cost is worth it and will settle many of the headaches your current IT team is already facing.

# Citations

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