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TEST REPORT

Client: ASR

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Product: Advanced System Repair Pro

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Contents

Introduction

This report looks at the performance increases provided by Advanced System Repair Pro (ASR) after running a full system clean-up scan. The scan covers a large array of areas and was conducted against a machine running preinstalled applications and software.

In order to ascertain the general impact of the scan, testing focused on performance increases that are more readily felt by the user. In particular, these are:

System start up Time

Application start up Time

System Response Under Load

Memory Use

Test Overview

In order to conduct testing, a machine was built and populated with common software/applications found on an average machine. This includes, but not limited to:

Image/video processing software

Video games and gaming applications

Office software

General applications such as browsers, compression tools, etc.

The system was then subjected to regular use in order to build up system caches, temporary files, and background tasks that would be expected of a machine that is used on a daily basis by a standard user.

It is important to note that exposure to malware was not part of this procedure, unless as a result of browsing to 3rd part websites not controlled by Checkmark Certified.

Performance Test Results

Test 1 – System Start Time

Start up times are usually one of the first indicators of a machine performance becoming compromised by user activity. While new systems are advertised with incredibly low start up times, these steadily increase. Testing with ASR showed the following improvement:

Test 2 – HDD Clean Up

Often a cause of increased response times, temporary files will quickly begin to fill a hard drive of any system that undergoes daily usage. As the number of junk files begins to steadily increase, problems arise around disk fragmentation and general system wear and tear.

Test 3 – Application Start Time

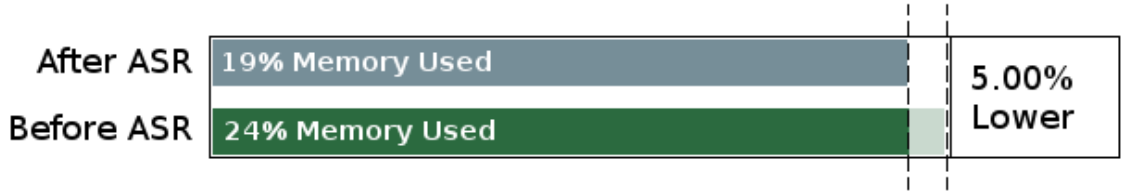
Next to system start, the time required to launch a user's most frequently used applications is most likely the second most common sign of a cluttered system. To provide a more rounded picture of performance impact, this test looked at the launching of both a popular image manipulation programme and an office utility package.

Image3.1 – Comparison of image editor start times

Image3.2 – Comparison of office utility start times

Test 4 – Memory Use

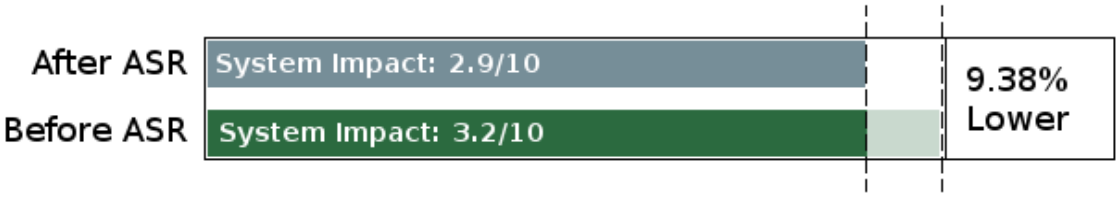
In comparison to the previous tests, memory use is more generally felt by the user in terms of system response when under load from multiple open applications, active tasks, and/or intensive processes. As a result of such activity, system memory use steadily increases, especially when possibly application memory leaks are taken into consideration.



Test 5 – System Response Under Load

Following on from the previous test, a measure was taken of multiple performance metrics, including both system resources and response times, while the system was subject to a number of automated tasks.

Some of these were run simultaneously while others were run either concurrently or with a slight overlap. All results were pushed through an algorithm, that normalised these results to an overall system resource use rating of between 1 and 10; with 10 being a system under considerable load.



Advanced System Repair Pro – Product Overview

While some system clean-up utilities may focus on a given area, such as driver updates, system registry, or disk fragmentation, ASR provides a complete system repair capability; including a malware detection and removal engine that has, separately to this test, been awarded Checkmark Certification in its own right.

Running of the scan is comparatively fast, especially considering the breadth of areas covered, and results are displayed to the user in a clear and concise manner.

The UI is well designed and permits a good degree of user control and configuration, without becoming a maze of individual option screens and settings.

Aside from making noticeable improvements to the system responsiveness and general performance, ASR also introduced a minimal resource footprint of its own. In contrast to products that clean systems while proving a drain on performance themselves.

Summary

ASR is a complete solution that protects the end user while improving system stability and performance.

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