



# **NEWS ANNOUNCEMENT**

**FOR IMMEDIATE RELEASE**

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## **4K Misalignment Problems Emerging in Server Rooms across the Nation According to Paragon Software**

### **Lack of 512 Byte to 4K Transition Awareness Resulting in Critical System Slowdowns in both Physical and Virtual Machines**

**IRVINE, Calif, June 15, 2011** - [Data backup and disaster recovery software](#) developer Paragon Software Group (PSG) is seeing an increase in calls related to 4K drive alignment issues emerging in server rooms and data centers across the nation. During the first six months of 2011, calls associated with [partition alignment problems](#) have more than doubled.

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"There is a significant uptick in calls regarding system slow-downs, especially for virtual machines running VMWare," said Tom Fedro, president of Paragon Software Group. "Unfortunately due to a lack of education in the industry, many IT professionals are unaware of potential misalignment issues related to the new 4K drives. At first, these new drives can show tremendous improvements however, over time, the systems experience degradation in performance due to the excessive read/write processes associated with the drive misalignment problem. When their systems' reduction in performance, especially in servers, starts affecting productivity, the IT team is left scrambling for an explanation. Every IT department can potentially encounter this problem as they upgrade their systems."

"Storage sector misalignment is a serious issue for every industry," said Tom Coughlin, founder of Coughlin Associates ([www.tomcoughlin.com](http://www.tomcoughlin.com)) and author of [Aligning with the Future of Storage](#). "Misaligned partitions resulting from a move from 512 byte sectors to 4K byte sectors can cause a high-performance trading system to crash, slow down healthcare providers and generally cause performance and data availability issues for IT organizations, including virtual storage environments, and with many of the most widely used operating systems and storage devices. Clearly, IT providers, CIOs, CTOs and IT managers need to learn about this issue and effective ways to prevent it from bringing their operation to its knees."

Paragon recently announced the release of [Paragon Alignment Tool \(PAT\) 3.0](#), designed to resolve partition alignment problems associated with virtualization (such as systems running VMware, Hyper V, or Citrix), 4K Advance Format HDDs, SSDs, RAID, SAN. PAT is a user-friendly software utility designed to automatically determine if a drive is misaligned, and then properly realign all existing partitions, including boot partitions (and any data they contain) to new 4K sector boundaries.

### **About Paragon Software Group**

Paragon Software Group is an innovative software developer focused on two dynamic growth markets—data storage and mobile productivity. The company's comprehensive product line for the data storage market addresses the needs of data security, storage and management for PCs, servers and networks. A second portfolio of products focuses on mobile productivity applications for handheld devices. Founded in 1994, Paragon Software has offices in the USA, Germany, Japan, Poland and Russia delivering its solutions to consumers, small business and enterprise clients worldwide through a network of Value Added Resellers, distributors and OEMs as well as online through the company website. Paragon Software provides technology to a host of world class companies and partners including Cisco, Dell, ASUS, Seagate, Buffalo, Iomega, Siemens, Lenovo, Microsoft, Motorola, Nokia, and more. For more information please visit the company website at [www.paragon-software.com](http://www.paragon-software.com).

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