

IT Going Green: Quest® QoreStor® Lowers Carbon Footprints

Quest

Meet your enterprise's environmental goals with the help of Quest QoreStor.

>80% of consumers respect companies and brands that adopt eco-friendly practices.

Forbes

The IT carbon footprint problem

From the outside, IT may seem like a profession that barely leaves a carbon footprint (the amount of greenhouse gases, especially carbon dioxide, that something emits) in its wake. So, enterprises with a goal to “go green” may overlook IT in their efforts. That’s a mistake.

According to a [United Press International, Inc. article](#), scientists have discovered that global computing is likely to blame for 2.1-3.9% of global greenhouse gas emissions. That may not seem like a large percentage, but, “If the latest estimates are accurate, ICT [Information and Computing Technology] would have a larger carbon footprint than the aviation industry, which is responsible for 2 percent of greenhouse gas emissions.” See the problem?

Numerous factors contribute to the IT industry’s carbon footprint, including, but not limited to:

- The manufacture of said equipment
- Building space and transportation of the equipment
- Electricity used by equipment

- Electricity used to cool the equipment
- Employee travel/transport for maintenance

Going green by reducing your enterprise’s carbon footprint is good for both the environment and business, as “more than 80% of people respect companies and brands that adopt eco-friendly practices,” reports [Forbes](#). Additionally, exponential data growth means that your backup, disaster recovery and archiving storage costs can quickly get out of control.

Quest QoreStor, a software-defined solution for optimizing secondary data in any location, can help you earn the respect of these consumers by helping your IT team reduce its carbon footprint.

How does QoreStor help to lower your carbon footprint?

Keeping up with exponential data growth by purchasing more and more storage hardware needed for backup and recovery only makes your company’s carbon footprint bigger. Emissions are created when hardware is manufactured and transported to your business, where electricity is constantly being used to keep hardware running and cool, when employees travel to manage and maintain hardware and when hardware inevitably needs replacing. You also have to pay for and maintain the data center building/ floorspace needed for all this storage. And many enterprise organizations have multiple data centers for redundancy.

Software-defined data deduplication

Quest QoreStor's software-defined data deduplication decreases the amount of data flowing both across your network and up to the cloud, reducing backup storage requirements in the data center and in the cloud by up to 95%. According to [SNIA](#), exponential data growth and the resulting rising storage costs are problems many businesses are struggling with. Deduplication not only reduces the amount of data you need to store, it also reduces storage hardware required for backup and recovery. It also reduces the associated floor space and electricity to support the hardware, as well as hardware waste, since less hardware will be needed and later thrown away. Best of all, QoreStor can be used with most industry-leading backup solutions so there's no need to rip and replace your data protection solution.

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Reducing physical hardware: Public cloud storage

By making it easy to use public cloud storage for backup, disaster recovery and long-term data retention, QoreStor can help reduce your business' data center carbon footprint by eliminating excessive storage hardware needed for backup and recovery altogether. That means you won't have to pay for the hardware, cabling, the electricity to keep it running and cool, building floorspace, maintenance transport or anything else. QoreStor lets you connect to the cloud faster, securely and easier, and will lower your cloud storage costs, so that you can leverage the cloud like never before while reducing your emissions.

Remote capabilities

You may be thinking that maintenance and management will still be required for software, and you're correct. However, with Quest QoreStor, IT administrators can install, manage and maintain QoreStor remotely, eliminating the need to physically travel to the data center. Eliminating travel means reducing greenhouse gases, lowering the demand for fossil fuel and simplifying administration (and saving all the money that comes with each).

It's time to go green

If your company has declared an initiative to lower its carbon footprint, but has made no move to lower the IT department's emissions, it's time to bring the problem to their attention. Not only will your department be more in line with the company's mission, Quest QoreStor can also help you save a significant amount of money ([calculate an estimate here](#)). Learn more about how Quest QoreStor can help give you optimal secondary storage to align with your environmental goals by visiting the [QoreStor website](#).

About Quest

Quest creates software solutions that make the benefits of new technology real in an increasingly complex IT landscape. From database and systems management, to Active Directory and Office 365 management, and cyber security resilience, Quest helps customers solve their next IT challenge now. Quest Software. Where next meets now.