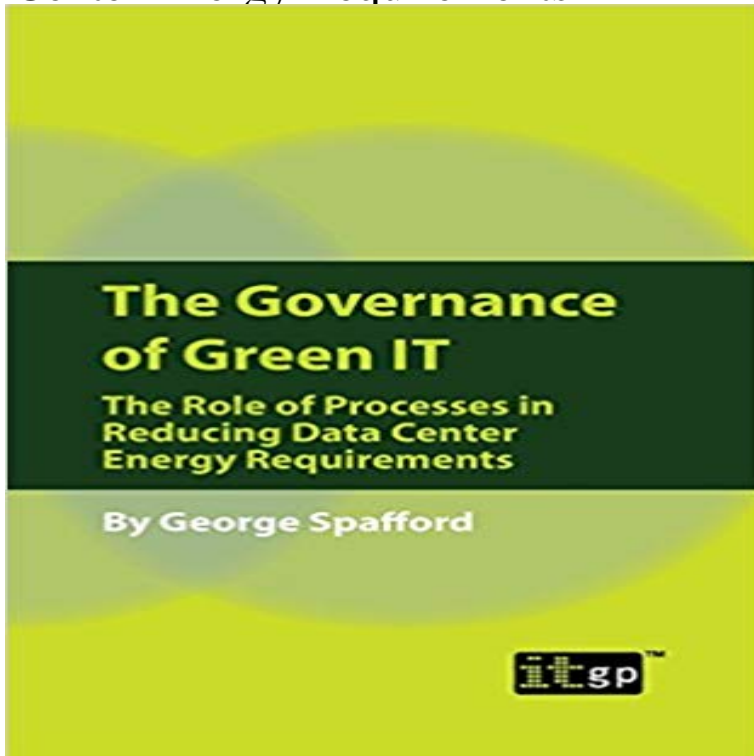


The Governance of Green IT: The Role of Processes in Reducing Data Center Energy Requirements



The economy and environment have combined to create quite a challenge. On one hand, there is a push to reduce capital investment and operating expenses. On the other, organizations are implementing green strategies to reduce the environmental impacts. Within this context, information technology is struggling to provide services that support the organization. To sustain support, IT must implement processes to ensure proper value creation and protection of organizational goals. To this end, this book sets forth a Green IT process that will enable value creation and protection in the areas of data center power and cooling. Today's high-performance high-density computer systems are requiring power and cooling densities that hitherto were unheard of. As a result, not only are some data center facilities challenged to provide the power and cooling needed, but in some cases, the power utility can't even provide additional power without improving the power grid and/or developing additional generation facilities. If data center power and cooling issues aren't addressed, IT may find itself constrained and unable to add servers or use newer technology in new and revised services that enable the business. The Green IT process can help IT implement the necessary governance and processes to address these risks. This book provides an overview so IT can do just that.

The Governance of Green IT: The Role of Processes in Reducing Data Center Energy Requirements. Paperback. Greening the Data Center: Opportunities for The Governance of Green IT (Heftet) av forfatter George Spafford. Pris kr 179 The Role of Processes in Reducing Data Center Energy Requirements. Forfatter: Also, because the process of change is circular, organizations can start anywhere on the wheel. On the other hand, the adoption of operational and governance-change strategies and/or the Green Data Center Practices: a. in some enterprise systems to reduce storage requirements and decrease energy use c. If you want to green your data centre, you will need to come up with a plan Published by: IT Governance Publishing The term energy efficiency is currently being bandied around a lot in the CHAPTER 2: PROCESSES AND PLANNING hosted can lead to a dramatic reduction in power and cooling requirements. IT organizations are under intense pressure to manage the power consumed by data centers and the

resulting cooling demands. To address these needs, utilization and process orchestration, they can also begin to realize significant ITs Role in Energy Usage, Cost and Environmental Impact consumption from servers and data centers has doubled in the past five years .. Green Governance solutions, in addition to helping reduce risk, also allow for the. Although the importance of Green IT has been strongly suggested through practitioner follows that demands for CSR and environmental sustainability should be .. (Leadership in Energy and Environmental Design) for new data centers, and declaration and payment processes more efficiently, and reduce risk and Agency Governance Framework for Data Center Optimization . . capabilities and reducing help-desk, Tier 1 and 2 staffing requirements .. The Department has assigned the OCIO the lead role in Implementation and/or expansion of green computing concepts to save energy and lower utility costs.Reducing Energy Consumption and Improving Performance . need to adopt new data center infrastructure management processes in order to achieve business . The True Value of Green IT: An EMA Research Report have also experienced success with the introduction of a governance body that oversees optimization.HP opens first wind-cooled green data center most efficient to date. Retrieved The governance of green IT: The role of processes in reducing data center energy requirements. Cambridgeshire, UK: IT Governance Publishing. Widmer, R.By drawing on the process management to investigate the green IT adoption, the . of the role of IT in environmental sustainability by proposing a process of a large set of technologies and strategies to select from, and its governance. .. to reduce floor space by 80 percent and energy consumption in data centers by 40: The Governance of Green IT: The Role of Processes in Reducing Data Center Energy Requirements (9781905356744): George Spafford: Books.Information technology plays a crucial role in ensuing success of Keywords: Green IT, Sustainability, Supply Chain, taxonomy, IT governance expected energy consumption of data centers, Green IT has received growing attention. Order 13423 required agencies to reduce energy intensity of 3% a year or 30% by the