Information Security: Federal Guidance Needed to Address Control Issues with Implementing Cloud Computing / 9781437935646 / Gregory C. Wilshusen / 2010 / DIANE Publishing, 2010

In February 2011, OMB issued its Federal Cloud Computing Strategy to further support agencies in migrating toward cloud computing. The strategy highlights security requirements for cloud computing and requires each agency to re-evaluate its. 1 NIST Special Publication (SP) 800-145, The NIST Definition of Cloud Computing; September 2011. 2 OMB's 25 Point Implementation Plan to Reform Federal Information Technology Management; December 9, 2010. 3 U.S. Government Accountability Office, Cloud Computing: Additional Opportunities and Savings Need to Be Pursued (GAO-14-753; September 25, 2014). Federal Guidance Needed to Address Control Issues with Implementing Cloud Computing. GAO-10-513. Accountability Integrity Reliability. Federal laws and guidance specify requirements for protecting federal systems and data. This includes systems used or operated by a contractor or other organization on behalf of a federal agency, which would include cloud computing. The security risks of cloud computing have become a reality for every organization, be it small or large. That's why it is important to implement a secure BI cloud tool that can leverage proper security measures. 2. Cost management and containment. There are many challenges facing cloud computing and governance/control is in place number 4. Proper IT governance should ensure IT assets are implemented and used according to agreed-upon policies and procedures; ensure that these assets are properly controlled and maintained, and ensure that these assets are supporting your organization's strategy and business goals. In today's cloud-based world, IT does not always have full control over the provisioning, de-provisioning, and operations of infrastructure. Cloud computing offers these public sector entities the opportunity to be more agile and innovative by consolidating, virtualizing, and automating their ICT resources. (For a more detailed discussion of cloud computing benefits, see the Cisco® white paper Cloud Computing Advantages in the Public Sector.) Several issues may arise when public sector organizations consider transitioning to cloud computing. Here are some prominent concerns: • Control: Managers naturally want to determine how and. where elements of the ICT system are deployed and used. Cloud computing raises questions of ownership