

DELL TECHNOLOGIES

# Building a modern data infrastructure

Improving the storage and management of data is a vital component of efforts to modernize government systems



**Jimmy Kelley**  
Dell Technologies

**“A ROBUST DATA STORAGE STRATEGY ENSURES COMPLIANCE WITH REGULATIONS AND SECURITY PROTOCOLS, THUS REDUCING THE RISK OF DATA BREACHES AND BUILDING PUBLIC TRUST.”**

**T**he digital era is transforming the way we live and work, and the government must transform itself to keep up with those changes. In our digital world, data has become the primary currency, and managing it effectively is the key to success.

Agencies are capturing more data today than at any time in history. All that data has to be accounted for and housed somewhere. The speed and agility with which agencies can navigate this pervasive cycle of building applications, capturing data, analyzing data and turning it into something meaningful directly affect how successful they are at achieving their mission goals.

The storage and management of data are critical for a number of reasons. First, effective data management enables more thorough decision-making by providing accurate and timely information. Second, a robust data storage strategy ensures compliance with regulations and security protocols, thus reducing the risk of data breaches and building public trust. Third, efficient data management is essential for leveraging innovations such as cloud computing and big-data analytics to improve service delivery.

## Developing a comprehensive data strategy

Agencies must be able to make efficient, effective use of their data

across on-premises and hybrid cloud systems while protecting data no matter where it is. The trick is to figure out what belongs on premises versus in the cloud. We at Dell Technologies have a lot of experience with those decisions, and we've identified three pillars to guide our federal customers.

1. Take a people-centric approach. By thinking through an agency's needs from a line-of-business and people perspective, we can help the agency decide whether data belongs on premises or in the cloud and determine the best service model for managing all the data.
2. Become intentionally data-driven and data-focused. We look at datasets from a governance and compliance perspective to make sure agencies are leveraging the datasets they want when they want them and to make sure the data is protected regardless of location.
3. Optimize technology interoperability. Because not all technology works together, we help agencies assess their current solutions so they can make decisions that will future-proof their investment.

The resulting strategy must protect prior investments and give the maximum amount of flexibility while addressing the government's decision criteria, including cost, compliance, performance, data sovereignty and security.

## Concrete steps toward digital transformation

Dell has a unique ability to help agencies take concrete steps toward digital transformation. The first step involves modernizing the IT infrastructure to ensure that it can support the agency's current and future needs. The second is to automate the delivery of IT services for specific lines of business and application owners in a way that connects employees and customers anytime and anywhere.

The third step is to transform operations from the inside out to refine processes and train people. At Dell, we help agencies empower new ways of working by modernizing user experiences and fueling innovative decision-making with intuitive apps and data-driven insights.

Of course, we cannot overlook the fact that the digital economy is drastically changing the security landscape. With data constantly moving between private and public clouds, agencies face unprecedented challenges for remaining safe and agile.

Dell has the expertise and the industry partnerships to help agencies tackle those challenges. We can provide the essential infrastructure for agencies to build their digital futures, transform IT and ultimately protect their most important asset, which is their data. ■

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**Jimmy Kelley** is senior director of data center sales and strategy at Dell Technologies.



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# Power Innovation with a Modern Data Center