



Whitepaper Cloud Modernization



TFORM™

Discover.
Optimize.
Transform.



The Added Complexities of Cloud Modernization

The concept of 'data center' has evolved significantly as a result of the introduction of cloud technology. The data center is now a hybrid assembly of locations, form factors, technologies, and delivery methods that all work in concert to provide the modern enterprise with the tools required to fulfill the mission of the enterprise.

Prior to the availability of cloud technology, the data center was a relatively static and well-understood inventory of physical components that came together to provide compute, storage and network capabilities to the business. These devices were well known to their administrators who had visibility to the quantities, capacities, and configurations of each asset. Changes were planned and typically required extensive discussion, collaboration, and approval.

Today the data center is very different. A modern business is taking advantage of the capabilities that cloud technologies provide. An asset is no longer defined as a physical device or, one of many, logical configurations on a device. Today the cloud offers the promise of rapid introduction of compute, storage, and network solutions either in the on-premises data center or provisioned by a cloud service provider (CSP) somewhere on the Internet. Capacities, quantities, and functions can be quickly initiated and consumed for minutes or for years as services. Adding to that confusion is the range of services that can be consumed. Often, a sophisticated IT Department will purchase services in a number of ways and from a number of competitive cloud providers. A public cloud landscape is composed of common infrastructure components which are typically managed by the IT department of the enterprise. Real advantages of the public cloud can be found using meaningful platform solutions where the routine infrastructure administrative activities are managed by the Cloud Services Provider. This allows business units to contract directly with the CSP. While this can greatly accelerate the implementation of business functions and alleviates the IT department from mundane administrative tasks, it can easily lead to technology sprawl.

Many IT departments today are feeling the pain of decentralized technology sprawl. An enterprise may advocate for DevSecOps to accelerate development and creation of business value but that can lead to a loss of visibility, an erosion of standards and uncontrolled costs. While IT departments continue to be the technical focal point of enterprise, it is becoming increasingly harder for them to govern, operate and maintain that technology inventory because of the diffusion that cloud-centric solutions can offer to the business. Today, the IT department acts as the technical design authority with an inherited accountability for the technology footprint for the enterprise along with varying levels of responsibility for the health and the security of the systems. In this role, it is imperative that the central IT department have comprehensive and reliable visibility into the on-premises and public cloud assets that comprise the building blocks of a modern and rapidly evolving enterprise. While many routine tasks can be transferred to the responsibility of DevSecOps teams within the business or to the cloud provider themselves, the central IT team must maintain control through the use of Technical Design Authority principles and those principles rely on tools that provide a thorough understanding of the physical and logical assets that make up the environment.

TFORM offers the most versatile and dynamic enterprise asset discovery engine in the industry. TFORM offers agentless data collection for most common infrastructure devices. Because TFORM integrates easily with most CMDB solutions it is broadly adopted as the discovery engine in the modern technical enterprise and serves as the foundation of a well-documented asset repository. TFORM offers the most detailed insights you'll need to discover the physical and logical assets of the technical environment. TFORM offers a state-of-the-art data collection engine that provides real-time



insights and automation that collects detailed information about all the discovered assets. TFORM understands dependencies within the data center, systems, and applications and can support key processes such as change management and service desk ticketing by integrating with those tools. TFORM also fosters better collaboration between the IT Ops & Security Ops teams, providing a personalized user experience through its interactive dashboard that is customizable for the various roles and levels within the IT organization. TFORM offers the broadest scope of features, functions, and capabilities in a single tool in order to eliminate the cost and complexity that were typically involved in assembling a toolbox of discovery, monitoring, analysis and reporting tools in order to describe, define and display the technical inventory of enterprises of any scale. TFORM provides the most useful data collection from an easily deployed virtual appliance. Once deployed, TFORM quickly collects deeply meaningful information about the quantity, capacity, and configuration of the IT assets 'in the wild' while causing no disruption to embedded monitoring systems. Out of the box, it is purpose-built to discover and describe the physical and logical components with the greatest level of detail. TFORM incorporates its own data repository that hosts voluminous information about the technology assets in order to represent the characteristics that are critical to understanding the cost and complexity of the systems that comprise the inventory. TFORM will further identify configuration and vulnerability characteristics that will help to define the threat posture of the assembled systems.

TFORM was created to bridge the gap between data collection and data dissemination. In the past multiple tools were required to collect meaningful data and to disseminate that data in consistent reports and dashboards that could be used by administrators, managers, and executives to make critical, data-driven decisions from a common source of truth.

We created TFORM to deliver real-time insights into the technical estate through deep data collection and versatile tools for reporting and dashboards. Unlike most industry leading tools, TFORM not only collects detailed information about technical assets, but it also possesses intelligence to offer actionable optimization.

TFORM integrates with common CMDB and ITSM systems to provide important data related to system capacities, device quantities and compliance against a library of known vulnerabilities. In addition to that real-time integration, TFORM can ingest data from common CMDB and ITSM systems for comparison to the monitored assets and to identify drift from known quantities and configurations

