PKWARE®

vZIP™

Increase security and reduce costs of virtualized environments

HIGHLIGHTS:

SECURE DORMANT VMs

MEET COMPLIANCE

REDUCE COSTS

SIMPLIFY IT INFRASTRUCTURE

New demands in data center consolidation, development requirements, and personalized work environments are driving the shift to virtualized infrastructures. By definition, virtualization multiplies the amount of data across several non-physical server instances. This in turn, multiplies the inherent costs of storing those Virtual Machines (VMs) and heightens security concerns. Gartner predicts that server virtualization will drive storage requirements up by 600% - meaning virtual environments will need six times as much storage to support their environments. Additionally, Gartner cautions that virtualization security issues are becoming more critical and complex. VMs that are powered down (dormant) are more vulnerable and leave sensitive data exposed, resulting in security and compliance risks.

Organizations looking to capitalize on the benefits of virtualization must also consider the costly factors of security, compliance regulations, increased storage requirements, and IT complexity.

PKWARE vZip™ encrypts and compresses virtual machines prior to them being archived; enhancing security, achieving compliance, lowering storage costs, and decreasing transfer times.

- **Secure virtualized environments:** Secure dormant VMs with strong encryption

- **Meet compliance:** Securely archive dormant VMs in accordance with industry and government regulations

- **Secure transfer of dormant VMs:** Protect dormant VMs as they move to the Cloud or to hosted storage environments

- **Reduce costs:** Reduce Virtual Infrastructure storage requirements and defer storage capacity acquisition

"I need to be confident that patient data on our decomissioned VMs is secure."

CISO,
Health Care Provider

PKWARE®

Success Story: Global Retailer

Based on our research, unsecured dormant Virtual Machines (VMs) are causing problems for enterprises around the world. One such company, a global retailer, recently virtualized their entire IT infrastructure.

The company has realized it has an excess of "stale VMs". Due to regulations, the company is required to keep these VMs for seven years. Some of the VMs contain sensitive data, but the retailer can't identify which ones. They are putting themselves at risk of non-compliance or worse yet, a security breach. In addition, storage infrastructure and data center space costs are on the rise and the proliferation of dormant VMs is driving up their monthly IT spending.

The retailer believes that using PKWARE vZip will allow them to compress all of their dormant VMs. With vZip, they expect to compress VMs by up to 80% prior to them being archived or copied, thereby dramatically reducing storage costs and transmission times. At the same time, vZip will allow them to secure dormant VMs using strong encryption, making it impossible to gain access without the right credentials and minimizing the risk of a security breach while maintaining compliance with PCI regulations.

> "Though dormant, inactive VMs represent a viable security threat and therefore must be identified and tracked so appropriate security controls can be applied."
>
> Section 3.7 of the PCI DSS Virtualization Guidelines

About PKWARE, Inc.

PKWARE helps companies reduce costs and mitigate the risk of a data security breach by reducing, securing, moving and storing data across the extended enterprise, both internally and externally, from mainframes to servers to desktops to mobile devices and into virtual and cloud environments. PKWARE enables customers to solve critical IT problems, namely the explosive growth of data, the need to secure data, and the emergence of data in the cloud. Our customers reduce and secure data in motion and at rest, so data can be securely moved or stored anywhere. PKWARE is used billions of times each day to manage risks associated with data security breaches while avoiding increased storage costs with data reduction of up to 95% and improving service delivery.