

Customer Success Story:

Consulting Firm Adds Strong Data Security, Conserves Valuable Data Center Resources

Industry

- Consulting Services

Customer Profile

- Provides consulting services in the areas of security, data center transformation/outourcing, end-user outsourcing, and application modernization outsourcing

Challenges

- Protecting sensitive information sent from z/OS mainframe to various destination platforms
- Protecting sensitive information placed on removable media, including CD
- Ensuring data remains protected during all steps of the transfer process, including on originating and destination platforms
- Meeting FIPS 140-2 compliance requirements

PKWARE® Solution

- SecureZIP® for z/OS®

Results

- Protected sensitive data by using strong encryption before transfer, ensuring it remains protected in transit and on the destination platform
- Increased operational efficiencies by using ZIP compression to save wall clock time and CPU resources
- Met FIPS 140-2 compliance requirements

Out of respect for our clients' privacy, names have been omitted from customer success stories. Many of our clients are happy to discuss their experience with PKWARE products. If you are interested in learning more information about a particular customer success story, please contact us at <http://www.pkware.com/contactus>

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Company Background

Our client designs, builds, and manages mission-critical environments for businesses and governments. They focus on four key areas for their clients, including: security; data center transformation and outsourcing; end-user outsourcing and support services; and application modernization and outsourcing. Their security efforts focus on helping clients secure their operations, including people, places, and assets, in order to reduce risk. Data center transformation and outsourcing efforts focus on increasing the efficiency and utilization of client data centers, while end-user outsourcing and support focuses on individual devices and laptops.

Challenges & Requirements

The firm's z/OS mainframe (260 MIPS) is located at their data center in New Jersey; each night the company needs to put several files, each over 10 GB in size, on CD so they can be transferred to various Federal agencies. When the company first contacted PKWARE, they had two immediate needs: 1) to compress large files stored on CD that are sent each night to various Federal agencies; and 2) encrypt the information being transferred in compliance with FIPS 140-2 requirements.

In addition to their immediate needs, they were also hoping to benefit from a data security solution that would encrypt data at the source on the mainframe and be able to transfer it securely to end points such as Windows® desktops. They wanted to ensure the data remained protected during all steps of the transfer process, at rest on originating and destination platforms, as well as in transit.

The Solution - SecureZIP for z/OS

Our client's data center managers and system programmers agreed that SecureZIP for z/OS would meet their immediate requirements, as well as provide a stable and easy-to-use solution to meet other organizational needs.

Using SecureZIP for z/OS, the firm was able to meet their immediate needs of large file support and complying with FIPS 140-2 requirements; but they were able to leverage the solution even further. Using SecureZIP for z/OS, our client has now streamlined their process for compression and sending large files, mitigating risks associated with client data breaches.

The data-centric security approach allows them to stream sensitive data freely within the organization as it is protected from the originating source, in transit, and remains protected when it reaches its destination. For example, information is now encrypted on the z/OS mainframe and can be sent to any destination platform (servers, desktop, etc.) where it remains encrypted until it is ready to be placed on CD. That information can also be easily transferred in an encrypted format to CD when needed, meaning at no time is data left vulnerable and unprotected. In addition, the use of efficient ZIP compression has increased the efficiency of daily processing, requiring less wall clock time and CPU utilization.

United States

648 N. Plankinton Ave., Suite 220
Milwaukee, WI 53203
1.888.4.PKWARE

UK/EMEA

Crown House
72 Hammersmith Road
London W14 8TH
United Kingdom
ph: +44 (0) 207 470 2420