PKWARE®

Conserve resources by reducing cycle time, bandwidth, & storage requirements

PKZIP® for z/OS® provides a dynamic, cross-platform data compression solution that can zip and unzip sequential files, PDSs, PDS/Es, and VSAM data sets. PKZIP for z/OS, through the support of hardware accelerated compression, uses less CPU and processes jobs more quickly, resulting in improved workload throughput and improved business capability to meet Service Level Agreements (SLAs). PKZIP for z/OS also includes additional features to improve compression efficiency; it customizes existing static dictionaries to further reduce the size of files. Developed specifically for IBM® z/OS, PKZIP is written with optimized assembler code that reduces file size by as much as 95 percent, decreasing DASD costs, conserving transmission bandwidth, and minimizing processing time to meet constrained operational windows. PKZIP for z/OS also includes enhanced file handling features to accelerate critical business processes in the data center.

ENHANCED TAPE PROCESSING

Using enhanced tape processing, available with PKZIP for z/OS Enterprise Edition , there are significant reductions in elapsed time and I/O required to write files to, and extract files from, tape media. Enhanced tape processing integrates with IBM's Large Block Interface (LBI) to ensure maximum efficiency when using contemporary tape drives.

Additional benefits of enhanced tape processing include:

- Reduced seek times to locate files written to tape
- Improved operational efficiency, reducing labor expense
- Faster display of tape archive contents
- Significantly faster retrieval and fewer requests for multiple volume tapes

VERSATILE AND USER-FRIENDLY INTERFACES

Designed specifically for IBM z/OS, PKZIP can be invoked in many ways, including batch processing through JCL, an intuitive ISPF interface, and CLI (Command Line Interface). Calling PKZIP for z/OS from an external program such as REXX, COBOL, C, or Assembler is also supported.

EBCDIC/ASCII TRANSLATION

Data files intended for other operating systems can be automatically translated from EBCDIC to ASCII language sets, making data transfer much faster and easier. ZIP files created on ASCII platforms can be easily read on z/OS. EBCDIC/ASCII code pages that are distributed with PKZIP for z/OS include Danish, English (US and UK), Finnish, French, German, Italian, Norwegian, Portuguese, Spanish, and Swedish. All code pages also include support for the Euro and a code page conversion utility is provided to meet unique language interchange requirements.

REDUCE NUMBER OF STEPS REQUIRED TO CREATE & EXTRACT ARCHIVES

Moving data between disparate computing systems often requires multiple steps and could require additional data translation products and converters. However, System Integration allows PKZIP for z/OS to write directly to, and read directly from, UNIX, Linux, and Windows file systems; this eliminates extra steps when moving files across systems. System Integration also allows PKZIP for z/OS to:

- Facilitate the exchange of data between different types of systems
- Automatically convert data to the appropriate format for the system

FEATURES AND BENEFITS

- Reduce file size by as much as 95%

- Format ZIP archives as self-extracting files (for internal use only)

- Automatically translate files from EBCDIC to ASCII and ASCII to EBCDI

- Defer expensive DASD upgrade

- Versatile, user-friendly interface

- Reduce time required to write files to, and extract files from, tape media*

- Reduce number of steps required to create & extract archives

- Exchange data between operating systems, including z/OS®, Linux on System z®, IBM i, UNIX®/Linux® server, and Windows® server and desktop

- Free up general computing capacity and lower overall total cost of computing for select workloads with zIIP support

- zIIP support frees up general computing capacity and lowers overall total cost of computing for select workloads.

*Available in Enterprise Edition

> " ...PKZIP compresses the data at least 75% and frequently as high as 90-95%. We wouldn't be able to complete transmissions within the operational window without the use of PKZIP. "

Operations Analyst
IT Services Provider

PKWARE

- Enhance PKWARE's extensive cross-platform capabilities; PKWARE is the only vendor to provide seamless data exchange across z/OS for the mainframe, IBM i for the IBM Power midrange systems, UNIX/Linux/Windows servers, and Windows desktops.

SUPPORT FOR MULTIPLE FILE HANDLERS

PKZIP for z/OS allows sequential, PDS, PDS/E, VSAM, and magnetic tape data sets to be easily compressed and decompressed. It also allows ZIP archives to be stored as a SEQ, VSAM, and magnetic tape data sets, as well as PDS or PDS/E members. Additionally, file attribute retention provides for automatic allocation of supported dataset types in their original format and size.

Also, zIIP Support offloads processing to IBM z Integrated Information Processors (zIIP) to free up general computing capacity and lower overall total cost of computing for select workloads.

EXCHANGE DATA BETWEEN OPERATING SYSTEMS

PKZIP files are cross-platform compatible, enabling efficient data exchange with other major enterprise computing platforms. Zipped files can be transferred to Windows® desktop, Windows and UNIX®/Linux® servers, and IBM i environments, where they can be unzipped by PKZIP, SecureZIP®, ZIP Reader, or other ZIP-compatible products.

THE BUSINESS BENEFIT OF EXPLOITING NATIVE Z/OS FUNCTIONALITY

Hardware accelerated compression, integrated in PKWARE mainframe products, gives you the benefit of reducing the CPU capacity required to compress data. PKWARE products now support IBM CPU-assisted compression, in addition to our software compression algorithms. IT now has the option to utilize hardware accelerated compression to improve workload throughput or software compression, which improves network bandwidth and stores more files on the same storage devices. This allows your IT department to best determine how to manage costs, meet SLAs, improve network bandwidth and storage capacity. PKWARE's inclusion of hardware accelerated compression support extends the compressed files portability and interoperability benefits.

PKWARE supplements static dictionaries by providing custom static dictionaries that more closely align with your data. The feature shows tremendous advantages for jobs that exploit the capability through improved efficiency. Representative examples that were further compressed while using custom static dictionaries included transaction reports, customer database extracts, and periodic settlement files.

About PKWARE, Inc.

The PKWARE Solution is the only complete system for reducing, moving, storing and securing data across the extended enterprise, both internally and externally, from mainframes to servers to desktops and into the cloud. Used by more than 30,000 corporate entities and over 200 government agencies, PKWARE is the industry standard for portability, ensuring data security and cross-platform computing. PKWARE, a privately held company, is based in Milwaukee, WI with additional offices in New York and the United Kingdom.

For additional information and resources, please visit our website:
www.pkware.com

To speak with a PKWARE Specialist in the U.S., call toll free: 1.866.583.1795

SYSTEM REQUIREMENTS

■ PKZIP FOR Z/OS

- PKZIP for z/OS runs on IBM supported levels of the z/OS operating system and hardware.

PKWARE