

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. With the release of version 11, PKZIP for z/OS offers significantly improved performance; some customers have seen CPU Seconds required for standard jobs reduced by as much as 27% when compared to using prior versions. 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.

Stream data directly into and out of applications without staging it to disk

PKZIP for z/OS with Application Integration extracts compressed data and streams it directly to the application without staging data to disk. Conversely, applications can stream the data directly into PKZIP archives, compressing record-by-record. Once again, data is never staged to disk, reducing job steps and maximizing use of disk resources.

Other ZIP file management and compression applications, unlike PKZIP Application Integration, require data files to be staged completely to disk in order to process them. Likewise, other applications must extract all archived data and write it to the disk before the next step can be performed. This is an operational complexity that is no longer required.

Features and Benefits

Fast, efficient data and file compression - **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 EBCDIC

Defer expensive DASD upgrades

Versatile, user-friendly interfaces

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

Reduce number of steps required to create & extract archives*

Stream data directly into and out of applications without staging it to disk*

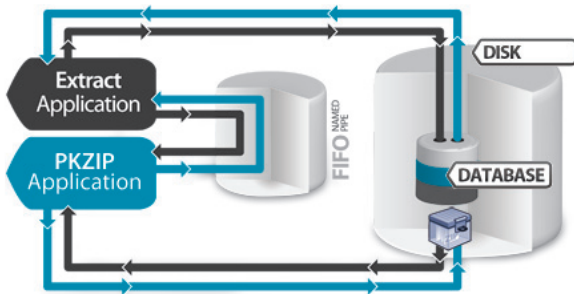
Operates on all major computing platforms, allowing seamless data transfer between operating systems, including z/OS®, i5/OS®, UNIX®/Linux® server, and Windows® server and desktop

*Feature available in PKZIP for z/OS 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

APPLICATION INTEGRATION



Outbound

PKZIP decompresses and extracts the data and begins streaming it directly from the encrypted ZIP file to the named pipe.

The application can immediately begin processing the data back into the database or application without having to wait for the full decompression and extraction to finish, improving processing time.

Inbound

Data is written from an extract application into a FIFO named pipe. PKZIP reads in the data as it is written into the pipe. At no point is data staged to disk.

This allows PKZIP to begin the compression and archiving process before the extract or dump has been completed, allowing for improvements in overall processing times.

SecureZIP - the next generation of PKZIP

SecureZIP for z/OS provides all of the features and capabilities of PKZIP, including efficient compression, sophisticated data management, and cross-platform capability. SecureZIP allows organizations to address both the continuing need for efficient data file management, while adding enterprise-class data protection in a single, interoperable solution. Features of SecureZIP for z/OS include:

Encrypt data using passphrases, digital certificates, or both

Support for digital signatures to verify documents have not been altered

Directory integration

Integration with IBM hardware encryption acceleration

Stream data directly into and out of applications without staging unprotected data to disk

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
- Enhance PKWARE's extensive cross-platform capabilities; PKWARE is the only vendor to provide seamless data exchange across z/OS for the mainframe, i5/OS 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.

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 i5/OS® environments, where they can be unzipped by PKZIP, SecureZIP®, ZIP Reader, or other ZIP-compatible products.

About PKWARE

PKWARE, Inc., the creator and continuing innovator of the ZIP standard, is a global market and technology leader providing data-centric, cross-platform data security and compression software. The SecureZIP & PKZIP product families are used by over 30,000 corporate entities and over 200 government agencies to ensure data security, portability, and cross-platform computing exchange - both internally and externally with partners. Organizations in financial services, banking, retail, healthcare, government, and manufacturing use PKWARE products daily for their unmatched scalability, ease of use, and rapid deployment. PKWARE, a privately held company, is based in Milwaukee, WI with additional offices in New York and the United Kingdom.

System Requirements

PKZIP for z/OS®

- Operating System: /OS 1.8 or later
- Hardware: 2084 or newer

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