

PKZIP for z/OS

HIGH-PERFORMANCE DATA COMPRESSION

The industry's most advanced compression solution, PKZIP for z/OS delivers unmatched data compression, together with enhanced file handling and system integrations that accelerate business processes in the datacenter and beyond.

PKZIP reduces file sizes by as much as 95 percent, decreasing DASD costs, conserving transmission bandwidth, and minimizing processing time.

With more than 30 years in large-format data compression, PKWARE is the industry leader in technological innovation and customer service. No other solution can match PKZIP's capabilities, reliability, and versatility.

REALIZE THE FULL POTENTIAL OF YOUR SYSTEM

Developed specifically for IBM z/OS, PKZIP includes a variety of options for exploiting native mainframe capabilities to maximize compression performance and optimize the use of resources.

- Hardware-accelerated compression exploits native IBM Z capabilities to reduce the CPU capacity required to compress data. Administrators can select either hardware-accelerated compression or software-based compression to meet IT goals and priorities.
- zEDC support provides the option for data compression processing to be offloaded to a zEDC card, reducing demands on other system resources.
- Support for Extended Address Volume (EAV) on z/OS allows data sets to reside in the Extended Address Space (EAS) portion of an available EAV.
- zIIP Support allows processing can be offloaded to an IBM z Integrated Information Processor for qualified workloads.
- Support for virtual storage constraint relief enables use of 64-bit memory for caching of compressed/encrypted data before being written to the output archive.

PKZIP for z/OS also includes enhanced interoperability with other native z/OS features including pervasive encrypted data sets, IBM SMS-compressed files, type 3 program object support, PDS/E Version 2 libraries, and PDS/E GDG's.

SOLUTION HIGHLIGHTS

Industry-best compression technology reduces file size by up to 95%, reducing demands on CPU, transmission, and storage resources.

Reduces the time and number of steps required to create and extract data archives.

Enables organizations to defer or avoid expensive hardware upgrades.

Supports multi-terabyte archive files.

File transfers via FTP and FTPS can be integrated directly into data compression processes.

Facilitates data exchange between z/OS, Linux on System z, IBM i, UNIX/Linux server, and Windows server and desktop.

Hardware-accelerated compression exploits native IBM Z capabilities to improve throughput and reduce resources needed for compression processing.

User-friendly design provides multiple interfaces and options for invoking PKZIP commands.

Centralized administration console simplifies policy and license management.

STREAMLINE AND AUTOMATE DATA EXCHANGE

Moving data between disparate computing systems often requires multiple steps and multiple translation products and converters. PKZIP for z/OS eliminates these requirements, enabling users to write directly to, and read directly from, UNIX, Linux, and Windows file systems

PKZIP's integrations facilitate the exchange of data between different types of systems and automatically convert data to the appropriate format for each system.

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.

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

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.

SYSTEM REQUIREMENTS

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