

PKZIP® for z/OS® Datasheet

Conserve Storage Space and Reduce Transfer Time with Data Compression for IBM® z/OS®

Mainframes remain the centerpiece of the datacenter, handling the bulk of the data that is processed within large organizations. For the administrator, the daily routine involves balancing the requests of clients while effectively managing resources. Compressing data helps administrators save money while they meet the demands of clients and reduce the cycle time, bandwidth, and storage requirements for their OS/390® and z/OS® mainframes.

PKZIP® for z/OS provides a dynamic, cross-platform data compression solution that can zip and unzip SEQ flat files, PDSs, PDS/Es, and VSAM data sets. Developed specifically for OS/390 and z/OS, PKZIP is written with cycle-saving assembler code that reduces bandwidth consumption and file size by as much as 95 percent, decreasing DASD costs, conserving transmission bandwidth, and minimizing processing time to meet constrained project windows.

PKZIP V9 for z/OS includes enhanced file handling features to accelerate critical business processes in the Data Center.

Enhanced Tape Processing

Using enhanced tape processing, available with PKZIP Enterprise, there are significant reductions in elapsed time and I/O required to write files to and extract files from tape media.

- 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

Cross-Platform Compatibility

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. PKZIP streamlines data transfers by automatically converting EBCDIC to ASCII, and vice versa, eliminating file compatibility problems when exchanging files inside and outside the enterprise.

Versatile and User-Friendly Interfaces

Designed specifically for the System/390, PKZIP for z/OS can be invoked in many ways, including batch processing through JCL, an intuitive ISPF interface, and CLI (Command Line Interface) through the command processor. Calling PKZIP for z/OS from an external program such as REXX, COBOL, or ASSEMBLER is also supported.

PKZIP for z/OS

Fast, efficient data and file compression

Cross-platform compatibility

EBCDIC/ASCII conversions

Defer expensive DASD upgrades

Support for EXE/SFX

Enhanced tape processing

Unmatched flexibility – 100 percent configurable installation

Compress and Secure Your Data on the Mainframe

SecureZIP® for z/OS® encrypts mainframe data to help organizations comply with security requirements.

- Options for passphrase or certificate-based encryption
- Support for digital signatures
- Powered by RSA BSAFE®
- Integration with IBM® hardware encryption acceleration

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.

Support for Multiple File Handlers

PKZIP for z/OS allows SEQ, 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, and PDS or PDS/E members. Additionally, file attribute retention provides for automatic allocation of supported dataset types in their original format and size.

PKZIP®**SecureZIP®**

Standard

Enterprise

Standard

Enterprise

| | | | | |
|------------------------------|---|---|---|---|
| Data Compression | X | X | X | X |
| Cross-platform Data Exchange | X | X | X | X |
| Passphrase Encryption | | | X | X |
| Advanced Encryption | | | | X |
| Directory Integration | | | | X |
| Enhanced Tape Processing | | X | X | X |
| IBM ICSF Integration | | | X | X |

Minimum System Requirements for PKZIP v9.0 for z/OS

- OS/390® 2.10
- All versions of z/OS

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