

# Storage Management Overview

## **z/OS**

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# M-Pact

**M-Pact reduces response time and contention among terminals on the same line by compressing 3270 CRT or printer output data transmission. It can also be used to compress the data on selected entry- and key-sequenced VSAM files to conserve valuable disk storage resources.**

- M-Pact removes repetitive characters from the data stream and rebuilds the screen (or printer) buffer so that the 3270 constructs the intended image at the terminal.
- M-Pact is fully transparent to programmers, operators, and application programs—selected files can be re-DEFINED and reloaded, after which the compression process is automatic and invisible.
- Transmission reduction typically varies between 15 and 75 percent, depending on application programs and data entered by terminal operators. Response time improvement depends on the reduction amount and the line speed.
- M-Pact displays statistics on the effectiveness of 3270 CRT or printer output data transmission compression, such as
  - ✓ Terminal I/O counts
  - ✓ Character totals before and after compression
  - ✓ Compression percentage
- M-Pact includes a file analysis program, which can be run against selected files to establish the potential compression ratio, and thus the value of using M-Pact for the file and the site generally.
- M-Pact supports all telecommunication protocols (BTAM, TCAM, and VTAM) under z/OS.



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