Increase Mainframe Performance with PKZIP

Controlling escalating data center costs is one of the top concerns of IT executives, regardless of whether the data center is in a physical or cloud environment. There is constant pressure to do more with less and strict SLAs must be met. Mainframe compression consumes valuable CPU and storage, in turn jeopardizing SLAs and increasing hardware and software costs. In order to reduce costs associated with MIPS and MSUs, many organizations bypass compression. Fortunately, PKZIP provides an alternative to control these costs.

**OFFLOAD PROCESSING TO LOWER THE COST OF COMPUTING**

With the IBM® z Integrated Information Processors (zIIP), organizations can offload select workloads by making them zIIP eligible to free up general computing capacity and lower overall total cost of computing. The zIIP specialty engine is less expensive than general CP and doesn't increase the MSUs/MIPS on the box. Support for the zIIP specialty engine is available today with PKZIP v14.

Leveraging the zIIP engine with PKZIP v14 translates to significant cost savings.

- Up to 95% compression ratio
- 90% of compression processing is zIIP eligible
- Up to 86% reduction in total elapsed time (compression and transfer)

**BOOST ElAPSED TIME PERFORMANCE UP TO TENFOLD**

PKWARE was selected as one of ten strategic partners included in the recent IBM announcement which outlines how new hardware, a new operating system and the zEDC (zEnterprise Data Compression) will allow customers to benefit from a significant increase in compression rates to manage data on z/OS. The zEDC is similar to the zIIP engine in that it allows customers to offload workloads without impacting MIPS or MSUs. The difference between the zIIP engine and the zEDC is that the elapsed time performance of compression is boosted up to tenfold with the zEDC. Support for the zEDC will be available in the fall of 2013 with PKZIP v15 and includes accelerated deflate compression and automatic detection of the zEDC, meaning there is no requirement for existing PKZIP customers to change JCL during the upgrade process.

With PKZIP v15 and the zEDC, elapsed time is significantly boosted.

- Up to 75% compression ratio
- 90% of compression processing is zEDC offloadable
- Up to 92% reduction in total elapsed time (compression and transfer)

**COMPETITIVE PRODUCTS**

<table>
<thead>
<tr>
<th>PKWARE PKZIP</th>
<th>Data 21™ ZIP/390™</th>
<th>ASPG Megacryption</th>
</tr>
</thead>
<tbody>
<tr>
<td>zIIP Support</td>
<td>X</td>
<td>X OFFLOADS LESS PROCESSING THAN PKZIP</td>
</tr>
<tr>
<td>zEDC Support</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>Native z/OS Implementation</td>
<td>X</td>
<td>X COMPRESSION &amp; SYMMETRIC ENCRYPTION IS NATIVE TO z/OS®, PKI ENCRYPTION IS OFFLOADED TO A WINDOWS SERVER</td>
</tr>
<tr>
<td>Other Platforms</td>
<td>X</td>
<td>X NOT NATIVELY ON z/OS – DATA 21 OFFLOADED TO WINDOWS SERVER</td>
</tr>
</tbody>
</table>

**PKWARE**, the industry leader in enterprise data security products, has a history rooted in innovation, starting with the creation of the .ZIP file in 1986. Since then, PKWARE has been at the forefront of creating products for reducing and protecting data — from Mainframes and zLinux to servers to desktops and into virtual and cloud environments.