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DAL VM Server on VM/ESA and SUM Function Problems (10/93)

Article Created: 7 October 1993

TOPIC ---

This article describes a reported problem with the DAL VM Server,
release 1.3.5 and queries which include the aggregate function, SUM.

DISCUSSION --

A few VM/ESA sites have reported problems of intermittent hangs, and server
abends, with the DAL VM Server, release 1.3.5 and queries which include the
aggregate function, SUM.

The symptom can be seen in a VM console log of the DAL session as an '80A'
(Virtual Storage Capacity exceeded) abend, or an 'A0A' (Decimal Overflow
Exception) abend of the server.

It has been determined that there needs to be a ZAP applied to the source
code to solve this problem.

In both the DALVM and IDALVM modules the instruction at 034D4 needs to be
NOP'd:

```
034CE   D700F000F000
034D4   4410C060
```

Needs to be changed to:

```
034CE   D700F000F000
034D4   07000700
```

Always be sure to do a verify before doing the Zap.

An additional factor to remember is that the user's virtual machine needs
to be at least 6MB, and 8MB when DAL will be used with TCP/IP connections.
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Keywords: <None>

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19960215 11:05:19.00

Tech Info Library Article Number: 13642