doc/VMMTools

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REVISION HISTORY

NUMBER	DATE	DESCRIPTION	NAME

Contents

Chapter 1

doc/VMMTools

1.1   VMM/doc/VMMTools.guide

The following tools are available for use with VMM:

```
VMMUsage
VMMUsageCLI
VMMStat
ReadMMUConfig
ConvVMMCfg
ShowPageSize
```

1.2   VMM/doc/VMMTools.guide/VMMUsage

```
VMMUsage
```

VMMUsage opens a window to display the name of those tasks which have
currently allocated any virtual memory. This only works if VMM has
been configured to enable 'memory tracking'. If you change the status
of this option old entries will remain in the list.
VMMUsage also displays the amount of virtual memory used by each task.
The slider gadget determines the update interval for this information.

1.3   VMM/doc/VMMTools.guide/VMMUsageCLI

```
VMMUsageCLI
```

VMMUsageCLI does the same as VMMUsage except that it does not open
a window but displays it to the console a single time.

1.4   VMM/doc/VMMTools.guide/VMMStat

VMMStat

VMMStat prints the statistics parameters of VMM to the console once.

1.5   VMM/doc/VMMTools.guide/ReadMMUConfig

ReadMMUConfig

This tool is used only if you have difficulties in getting VMM to run
on your system. You should NOT run this if VMM works perfectly. If
you do so anyway, you have to delete the generated files from your
ENV: and ENVARC: drawers in order not to waste memory for an
unnecessary MMU table.
Running it will take between 10 seconds and 1 minute. It then writes
a file called 'VMM_MMU.config' to ENV: and ENVARC:. This file is
read by VMM upon startup to correctly initialize its MMU table. If
you specify 'VERBOSE' as an option it will also print this information
in a more readable form to the console. See the 'MMU setup' section
for further details.
Specifying the 'DEBUG' option will print the page descriptor of every
logical page.   This results in a huge amount of data and is probably
only of use for debugging problems in conjunction with VMM's MMU
setup.
If the VMM_MMU.config file is used by VMM there are some
things which do not work as usual as there are:

- Enforcer does not work, i.e. it can be installed but it never will
  report any hits.
- The 'FAST ROM' option is ignored. You can circumvent this by running
  ReadMMUConfig with CPU FastROM running.
- The 'Cache Zorro II RAM' option is ignored. It is not needed if you
  use ReadMMUConfig.

1.6   VMM/doc/VMMTools.guide/ConvVMMCfg

ConvVMMCfg

This tool can be used to convert an old style (pre-3.0) VMM
configuration file to the new format.   It reads 'VMM.prefs' and
replaces it with the new style configuration file. Normally it is
automatically called during the installation process.

1.7   VMM/doc/VMMTools.guide/ShowPageSize

ShowPageSize

ShowPageSize is only used during the installation process. It reads
the current MMU configuration and returns the possible pagesizes.