Is it possible to concatenate multiple trace recordings?

2024-08-07 - Comments (4) - Tracing

It is possible to concatenate multiple trace recording when using the Trace method **Analyzer**, **CAnalyzer** or **Onchip**.

First save the trace contents to a file using the **Trace.SAVE** command:

```
Trace.SAVE my_joinfile1.ad
...
Trace.SAVE my_joinfile2.ad
...
```

The first saved trace recording can then be loaded with the command **Trace.FILE**:

```
Trace.FILE my_joinfile1.ad
```

Subsequent trace recordings can then be appended using the command **Trace.JOINFILE**:

```
Trace.JOINFILE my_joinfile2.ad
Trace.JOINFILE my_joinfile3.ad
...
Trace.JOINFILE ; execute command without parameter to close loaded trace file
```

The loaded trace file has to be closed by executing **Trace.JOINFILE** without parameters.

The option **/TIMEGAP** can be used to allow a seamless concatenation with regard to the timestamp:

```
Trace.JOINFILE my_joinfile2.ad /TIMEGAP 0.1us
```

Refer for more information to the documentation of the **Trace.JOINFILE** command in General Commands Reference Guide T

Note: streaming files saved with **Trace.STREAMFILE** and loaded with **Trace.STREAMLOAD** cannot be concatenated. You first need to save the files with **Trace.SAVE** and concatenate the resulting *.ad file.

Comments (4)

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RR **Ramanujan Rangan**
2 years ago
Is Trace data can only be saved in *.ad format? or is it possible to save it as *.bin?
Khaled Jmal
2 years ago
You can also save the trace in different other formats including binary. Please refer to the description of the .EXPORT command group in https://www.lauterbach.com/pdf/general_ref_t.pdf
HJ **Howerton, Jason**
2 years ago
is Trace.Save work per each core instance? So if running in AMP mode on TC375TE and I have all 3 main cores open in their own instance, it seems I have to run trace.save from each instance to make 3 files and then trace.load in each instance to view them again. I thought the trace buffer was all one and each instance was just picking out the core.assigned to that instance. Could there be an option for trace.save to save all cores captured instead of just the core assigned to that instance? Yes, I know I could run in SMP, but sometimes , like with HSM on TC3xx, it is Arm and will not run in SMP with the main cores.

Khaled Jmal
2 years ago
Hello Jason, Trace.SAVE has to be executed on each instance when you have an APM setup.