# Why do I get a "PRACTICE Stack Overflow" error when using Break.Set <address> /CMD "DO script.cmm" /RESUME?

2026-07-31 - Comments (0) - PRACTICE

This error typically occurs when the breakpoint is hit repeatedly in a short period of time.

When the breakpoint is reached, the `/CMD` option executes the specified command. If `/RESUME` is also used, TRACE32 immediately resumes target execution **without waiting for the PRACTICE script to finish**.

As a result, the same breakpoint may be hit again while the previous instance of `script.cmm` is still running. Each breakpoint hit starts another instance of the script. If enough script instances accumulate, the maximum PRACTICE stack depth is exceeded and TRACE32 reports: **“PRACTICE Stack Overflow”**

## Possible solutions

### 1. Remove `/RESUME` (recommended)

Configure the breakpoint as follows:

```
Break.Set <address> /CMD "DO script.cmm"
```

and place a `Go` command at the end of `script.cmm`:

```
Go
```

This ensures that target execution resumes only after the script has completed, preventing multiple concurrent executions in most cases.

### 2. Avoid `DO` if only a few commands are required

If the action consists of only one or two PRACTICE commands, execute them directly with `/CMD` instead of calling a separate script. This eliminates the overhead of starting a new PRACTICE script on every breakpoint hit.

For example:

```
Break.Set <address> /CMD "Data.Set %LONG 0x1000 0x12345678" /RESUME
```

### 3. Use `JUMPTO` instead of `DO`

If the code is already part of a running PRACTICE script, use `JUMPTO` to branch to a label instead of starting a new script instance.

For example:

```
Break.Set <address> /CMD "JUMPTO do_it"

...

do_it:
    ; commands
    Go
```

`JUMPTO` transfers control within the existing PRACTICE script and therefore does not create additional nested script executions.