[Arm] I get a "debug port fail" error after resuming the program execution

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Connection to the target is possible (**SYStem.Up** / **SYStem.Mode Attach** + **Break**). After resuming the execution (**Go**), a “debug port fail” error or similar is returned at a later point.

Possible reasons:

- The debug module or JTAG has been disabled by the target software
- The core went in power saving mode
- The core went into a secure/non-secure state or a security configuration may disable debug access.
- The target application has crashed
- Illegal access by the debugger e.g., software breakpoint on illegal address
- For Armv8/Armv9 systems, check whether the execution enters EL3/secure firmware and changes the debug permissions

Possible Solutions:

- Verify if the problem is related to a debugger access, by removing breakpoints and closing all windows that can access the memory on run-time
    - Check **SYStem.LOG.List** for addresses related to this error
    - Check if **MAP.DenyAccess** can help to prevent the debugger from doing an illegal access
    - Debug the target application until the point where the connection is lost in order to find the reason of the error
    - Check `CDBGPWRUPACK` / `CSYSPWRUPACK` and the corresponding `DAPDBGPWRUPREQ` / `DAPSYSPWRUPREQ`

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1 year ago
i am facing issue as debug port fail while flashing are any commands sending how to resolve this issue