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How to set a breakpoint at a specific line in a specific file via pyrcl Awaiting Agent

• HZ Huiyang ZHANG

• Forum name: #Test Automation

hello lauterbach team,

I am trying use pyrcl to set breakpoint, now I can set breakpoint by address/function via Break.Set command, but I am not able to set breakpoints with code file and line numbers, I want know how to implement it? def setBreakpointAtFunctionOffset(self, function: str, offset: int): cmd = rf'Break.Set {function}\{offset}' self.dbg.cmd(cmd)

def setBreakpointAtAddress(self, address: int):
cmd = f'Break.Set {hex(address).upper()}'
self.dbg.cmd(cmd)

def setBreakpointAtFunction(self, function: str):
cmd = f'Break.Set {function}'
self.dbg.cmd(cmd)

Comments (3)

Wiem Wala Benayed

2 months ago

This is possible using:

 $def\ setBreakpointAtFileLine (self, file:\ str,\ line:int):$

 $cmd = f'Break.Set \setminus \{file\} \setminus \{line\}'$

self.dbg.cmd(cmd)

HZ Huiyang ZHANG

2 months ago

hello Wiem, Thank you for your answer, I tried this implementation, but not work and raise a exception: lauterbach.trace32.rcl._rc._command.CommandError: ('symbol not found', 'command: ', b'Break.Set \\COMH.c\\42') I tried full path and file name only, but both not work $t32_mgr.setBreakpointAtFileLine(f''main.c'', 344) t32_mgr.setBreakpointAtFileLine(f''/path/to/my/main.c'', 344) my trace32 version is R.2025.02, Is there an API update for the new trace32?$

Wiem Wala Benayed

2 months ago

You should use:

t32_mgr.setBreakpointAtFileLine(f"main", 344)