

Solution: Revealing a memory management bug in NAME

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- ▶ **Bug:** Code attempts to 'Allocate' some allocatable arrays that are already allocated
- ▶ **Identified by:** A helpful run-time error message and traceback!
- ▶ **Our Solution:** Guard 'Allocate' statements by an if-test for existing allocation ... or deallocate (this was already done for other arrays elsewhere in the code)
- ▶ **Legacy issue:** Bug had remained hidden in earlier code for many years. This would have resulted in a slight memory leak but it was never spotted as i) overall memory effect was small, and ii) multiple-case option was rarely used in NAME.