SECURE CODING CSE2010

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Working with memory vulnerabilities

TASK

Download and install visual studio (recent edition)

Write a C++ code of your own to build an executable and run the same.

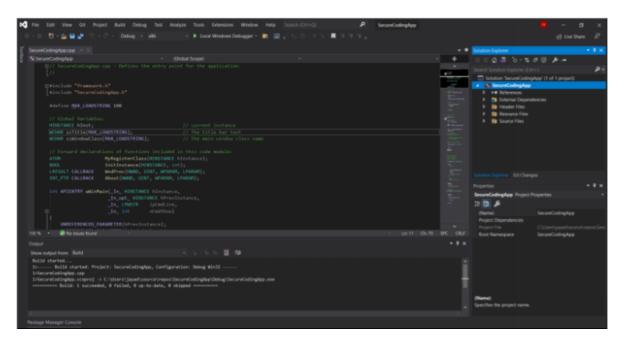
Download process explorer and verify the DEP & ASLR status

Enable software DEP, ASLR and SEH in the visual studio and rebuild the same executable

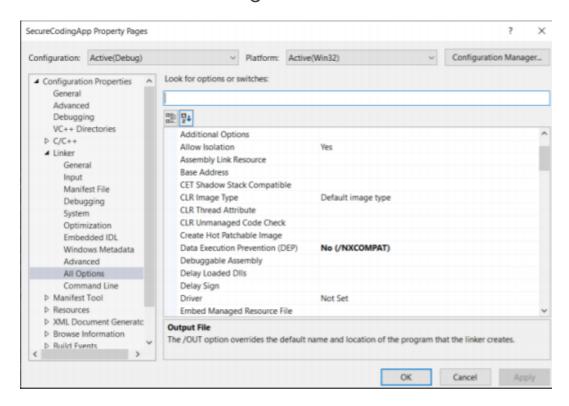
Again, verify the DEP & ASLR status in the process explorer

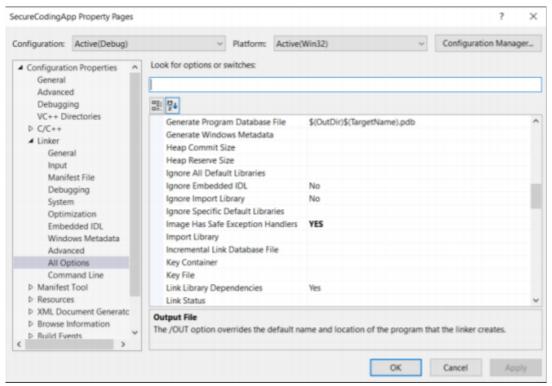
Report the same with separate screenshot - before and after enabling DEP & ASLR.

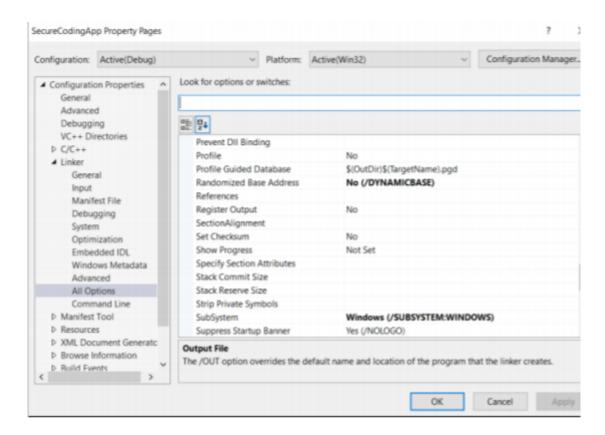
Building the executable



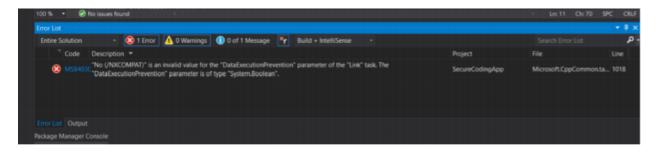
Disabling DEP and ASLR



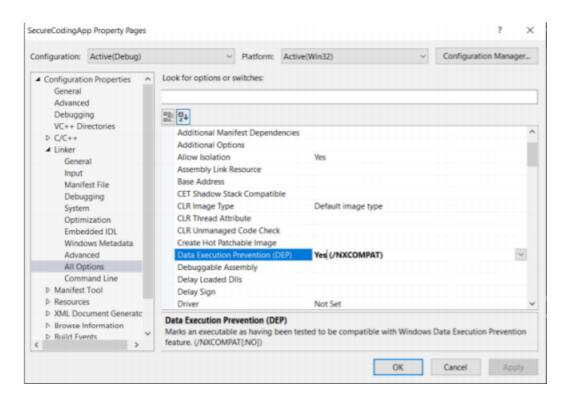


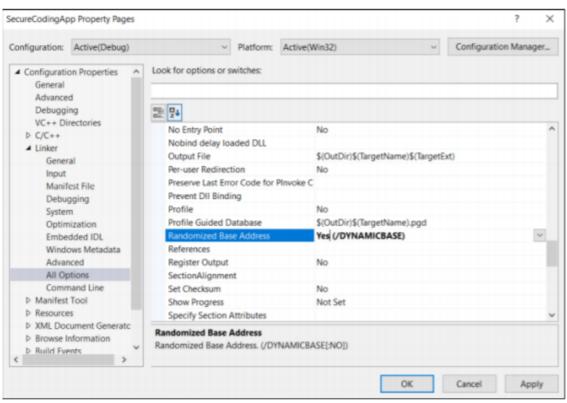


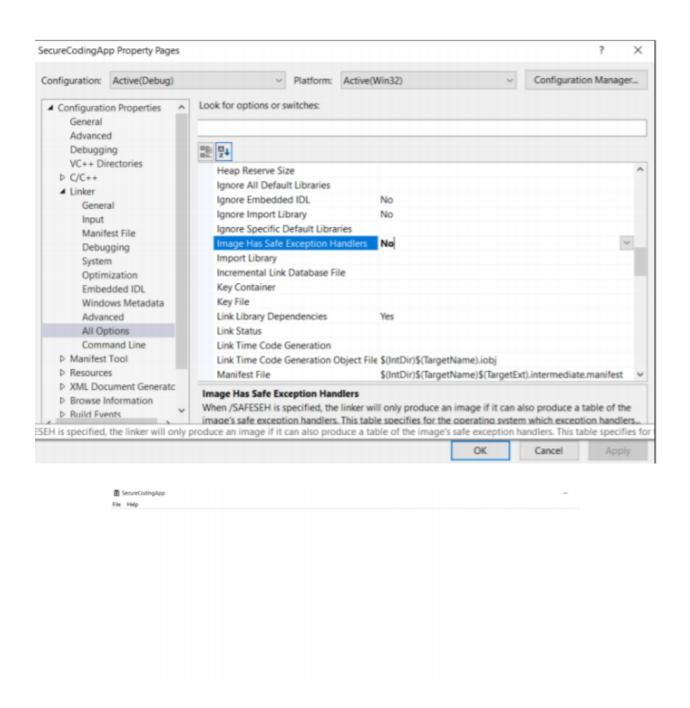
Build failed, exe not generated



Enable DEP and ASLR and re run the APP







It works as supposed to

Process explorer

