

# Basic commands for Windbg – s for search memory

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# S – Search memory

- Search in the memory for a particular character or a pattern or number.
- In user mode the command can cover the entire committed memory in the user mode.
- In kernel mode the command can cover the committed memory of both user mode ( of current process ) and kernel mode.
- Very useful command and there are some very intuitive ways using it.

# Inputs

- String or number to search
- From Address which show the memory address from where the search should being.
- To Address which shows the memory address from where the search should end.
- Some more like type of the value to be search etc.

# Output

Is the address(es) at which above conditions met.

# Sample

- s 0012ff40 L20 'H' 'e' 'l' 'l' 'o'
- s 0 L?7fffffff 'H' 'e' 'l' 'l' 'o'
- s -a 0012ff40 L20 "Hello"
- s -d 0012ff40 L20 'VUTS'

# Demo

# Summary

- Search memory

SourceLens

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Thank you