MEMORY ALLOCATION STRATEGIES

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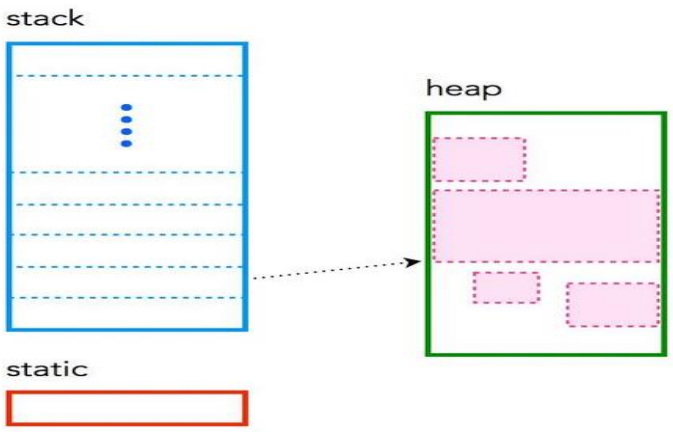
Task: S_LINUX_02: Memory Allocation Strategies

STATIC ALLOCATION

Memory is allocated to process or program during the compile time and its size is fixed cannot be changed at runtime.

DYNAMIC ALLOCATION

Memory is allocated to a program or process during the runtime and its size can be changed at any time.



STACK ALLOCATION

Memory is allocated on a stack, which is a data structure that stores the data using LIFO technique. It is been used for local variables and function calls.

HEAP ALLOCATION

Memory is allocated from the heap, which is a large pool of memory that can be dynamically allocated and deallocated.