Typically, the lowest stack content are the parameters passed to the function! (CPU ABI).

```
View by increasing addresses upwards:
            <-- 'Top' of the stack (ESP); lower (virtual) addresses
[...
LOCALS
...]
               <-- EBP (base ptr) OR SFP (pointer to previous stack frame
[ER]BP/SFP
[optional])
RET addr
[...
PARAMS
...]
            <-- 'Bottom'; higher (virtual) addresses
Or, perhaps more intuitively, view it the 'usual' way, by increasing addresses downwards:
            <-- 'Bottom'; higher (virtual) addresses
[...
PARAMS
...]
RET addr
[ER]BP/SFP <-- EBP (base ptr) OR SFP (pointer to previous stack frame [optional])</pre>
[...
LOCALS
            <-- 'Top' of the stack (ESP); lower (virtual) addresses
...]
```

```
Eg.
crash> log
veth netdrv:vnet start xmit(): skb=ffff950a510d8500 netdev=ffff950a8889d000
pstCtx=ffff950a8889d900
Looks like the KVA's (kernel va's) in green are linkage to called frame (function).
crash> bt -FF
. . .
#9 [ffffae4543f4b8c0] skb release data at fffffffff81dc6612
    ffffae4543f4b8c8: [ffff950a85450424:kmalloc-512]
[fffff950a510d8500:skbuff_head_cache]
    ffffae4543f4b8d8: [ffff950a8889d000:kmalloc-4k] ffffae4543f4b8f8
    ffffae4543f4b8e8: consume skb+62
#10 [ffffae4543f4b8e8] consume_skb at fffffffff81dc6a0e
    ffffae4543f4b8f0: [ffff950a510d8500:skbuff_head_cache] ffffae4543f4b928
    ffffae4543f4b900: vnet start xmit+157
static int vnet start xmit(struct sk buff *skb, struct net device *ndev)
     struct iphdr ip = NULL; /* params/locals seen in RTL (right-to-left) order */
     struct udphdr *udph = NULL;
     struct stVnetIntfCtx *pstCtx = netdev priv(ndev);
     u64 ts1, ts2; << unused, optimized away >>
#11 [ffffae4543f4b900] vnet」start xmit at fffffffffc07b32ad [veth netdrv]
   ffffae4543f4b928: ffffae4543f4b978 dev hard start xmit+208 <<RET addr>>
<--- Call frame layout:
LOCALS
PARAMS
                       kva
SFP?/RBP?
RET addr
-->>
#12 [ffffae4543f4b930] dev hard start xmit at ffffffff81de2b70
    ffffae4543f4b938: ffffae4543f4b994 [ffff950a8889d088:kmalloc-4k]
    ffffae4543f4b948: ffffae4543f4b978 [ffff950a5016ec00:kmalloc-512]
    ffffae4543f4b958: [ffff950a88b57e00:kmalloc-512]
[ffff950a510d8500:skbuff_head_cache]
    ffffae4543f4b968: [ffff950a88b57eac:kmalloc-512] [ffff950a8889d000:kmalloc-4k]
    ffffae4543f4b978: ffffae4543f4b9c8 sch_direct_xmit+226
#13 [ffffae4543f4b980] sch_direct_xmit at ffffffff81e33c62
    ffffae4543f4b988: 0000000581ec13f1 000000100089d000
```

```
ffffae4543f4b998: 277ccc06ec916700 00000000000000000
    ffffae4543f4b9a8: [ffff950a510d8500:skbuff head cache]
[fffff950a88b57e00:kmalloc-512]
    ffffae4543f4b9b8: [ffff950a8889d000:kmalloc-4k] [ffff950a5016ec00:kmalloc-512]
    ffffae4543f4b9c8: ffffae4543f4ba38 __dev_queue_xmit+1705
#14 [ffffae4543f4b9d0] dev queue xmit at ffffffff81de33d9
    ffffae4543f4b9d8: ffffae4543f4b9e8 [ffff950a88b57eac:kmalloc-512]
    ffffae4543f4b9f8: ffffae4543f4bb44 [ffff950a412f0000:task struct]
    ffffae4543f4ba08: 277ccc06ec916700 [ffff950a85451000:kmalloc-512]
    ffffae4543f4ba18: 00000000000000000 [fffff950a510d8500:skbuff head cache]
    ffffae4543f4ba28: [ffff950a8889d000:kmalloc-4k] 00000000000000008
    ffffae4543f4ba38: ffffae4543f4ba48 dev queue xmit+16
#15 [ffffae4543f4ba40] dev queue xmit at ffffffff81de35e0
    ffffae4543f4ba48: ffffae4543f4ba80 neigh resolve output+276
[ffff950a510d8500:skbuff head cache]
# the SKB that's freed up too soon, res in a UAF; the root cause of the bug
crash> bt -F
#9 [ffffae4543f4b8c0] skb release data at ffffffff81dc6612
    ffffae4543f4b8c8: [kmalloc-512]
                                      [skbuff head cache]
    ffffae4543f4b8d8: [kmalloc-4k]
                                      ffffae4543f4b8f8
    ffffae4543f4b8e8: consume skb+62
#10 [ffffae4543f4b8e8] consume_skb at ffffffff81dc6a0e
    ffffae4543f4b8f0: [skbuff head cache] ffffae4543f4b928
    ffffae4543f4b900: vnet start xmit+157
#11 [ffffae4543f4b900] vnet start xmit at fffffffc07b32ad [veth netdrv]
    ffffae4543f4b908: [kmalloc-512]
                                      00000000000000000
    ffffae4543f4b918: 0000000000000000 [skbuff head cache]
    ffffae4543f4b928: ffffae4543f4b978 dev hard start xmit+208
#12 [ffffae4543f4b930] dev hard start xmit at ffffffff81de2b70
    ffffae4543f4b938: ffffae4543f4b994 [kmalloc-4k]
    ffffae4543f4b948: ffffae4543f4b978 [kmalloc-512]
    ffffae4543f4b958: [kmalloc-512]
                                      [skbuff head cache]
    ffffae4543f4b968: [kmalloc-512]
                                      [kmalloc-4k]
    ffffae4543f4b978: ffffae4543f4b9c8 sch direct xmit+226
#13 [ffffae4543f4b980] sch direct xmit at ffffffff81e33c62
    ffffae4543f4b988: 0000000581ec13f1 000000100089d000
    ffffae4543f4b998: 277ccc06ec916700 00000000000000000
    ffffae4543f4b9a8: [skbuff head cache] [kmalloc-512]
    ffffae4543f4b9b8: [kmalloc-4k]
                                      [kmalloc-512]
    ffffae4543f4b9c8: ffffae4543f4ba38 __dev_queue_xmit+1705
#14 [ffffae4543f4b9d0] dev queue xmit at ffffffff81de33d9
    ffffae4543f4b9d8: ffffae4543f4b9e8 [kmalloc-512]
    ffffae4543f4b9f8: ffffae4543f4bb44 [task struct]
    ffffae4543f4ba08: 277ccc06ec916700 [kmalloc-512]
    ffffae4543f4ba18: 000000000000000 [skbuff head cache]
```

```
ffffae4543f4ba28: [kmalloc-4k] 00000000000000008
  ffffae4543f4ba38: ffffae4543f4ba48 dev_queue_xmit+16
#15 [ffffae4543f4ba40] dev_queue_xmit at fffffffff81de35e0
  ffffae4543f4ba48: ffffae4543f4ba80 neigh_resolve_output+276
```

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