

# Unpacking Hancitor malware

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 [muha2xmad.github.io/unpacking/hancitor/](https://muha2xmad.github.io/unpacking/hancitor/)

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Malware Analysis learner

1 minute read

**As-salamu Alaykum**

## Introduction

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Hancitor is an information stealer and malware downloader used by a threat actor designated as MAN1, Moskalvzapoe or TA511. In a threat brief from 2018, we noted Hancitor was relatively unsophisticated, but it would remain a threat for years to come. Approximately three years later, Hancitor remains a threat and has evolved to use tools like Cobalt Strike. In recent months, this actor began using a network ping tool to help enumerate the Active Directory (AD) environment of infected hosts. This blog illustrates how the threat actor behind Hancitor uses the network ping tool, so security professionals can better identify and block its use. [1](#)

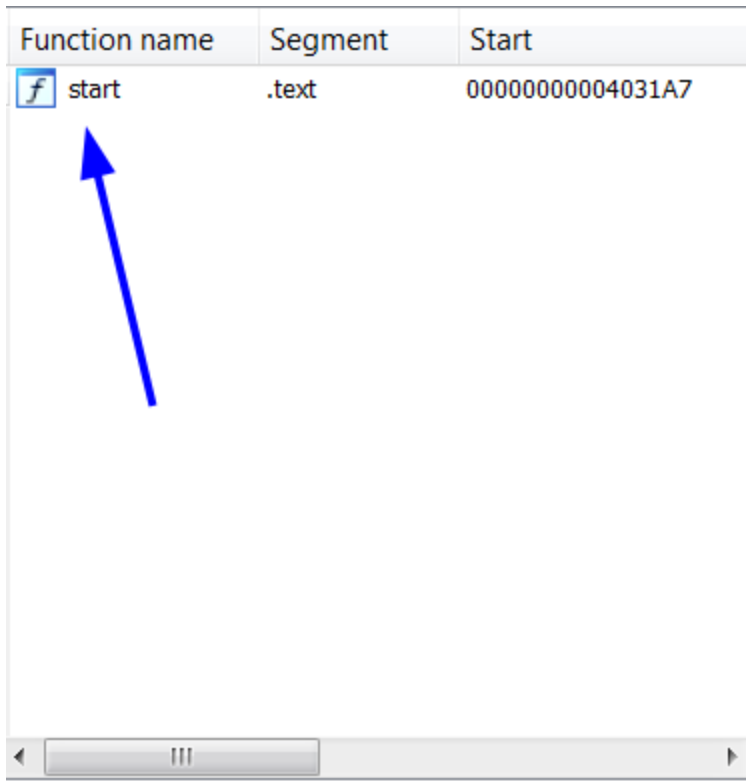
MD5: FF9D0327538AB33468A8AD2142EFF416


## Packed indicators

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If we open it in `DiE` or `pestudio` we will notice that it's **Not packed**.

Another way to detect packing is to open it in `IDA` and if you see less number of functions then It's packed.



Function name	Segment	Start
 start	.text	00000000004031A7

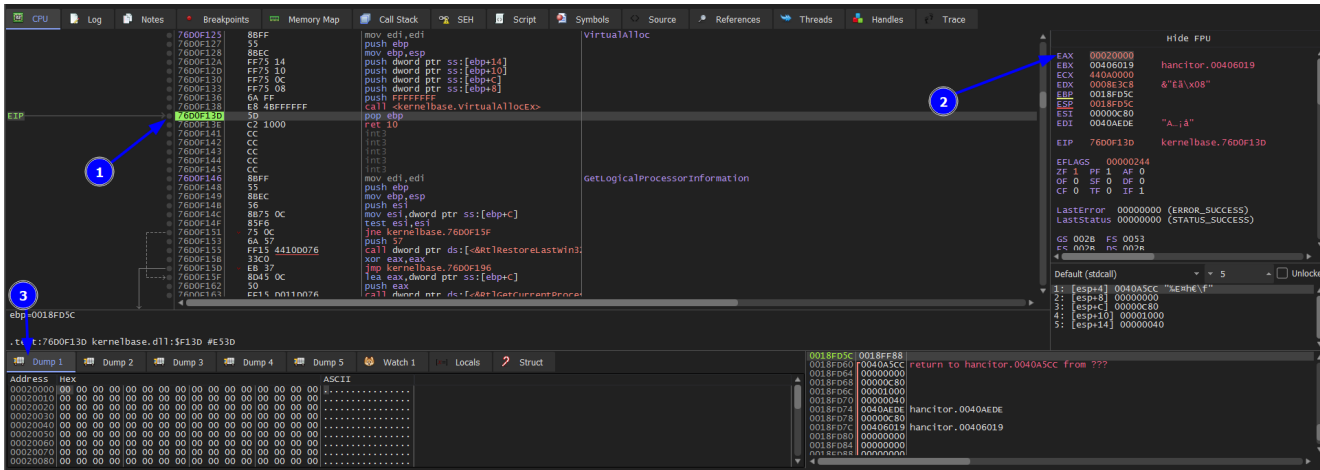
Figure(1):

## Unpacking process

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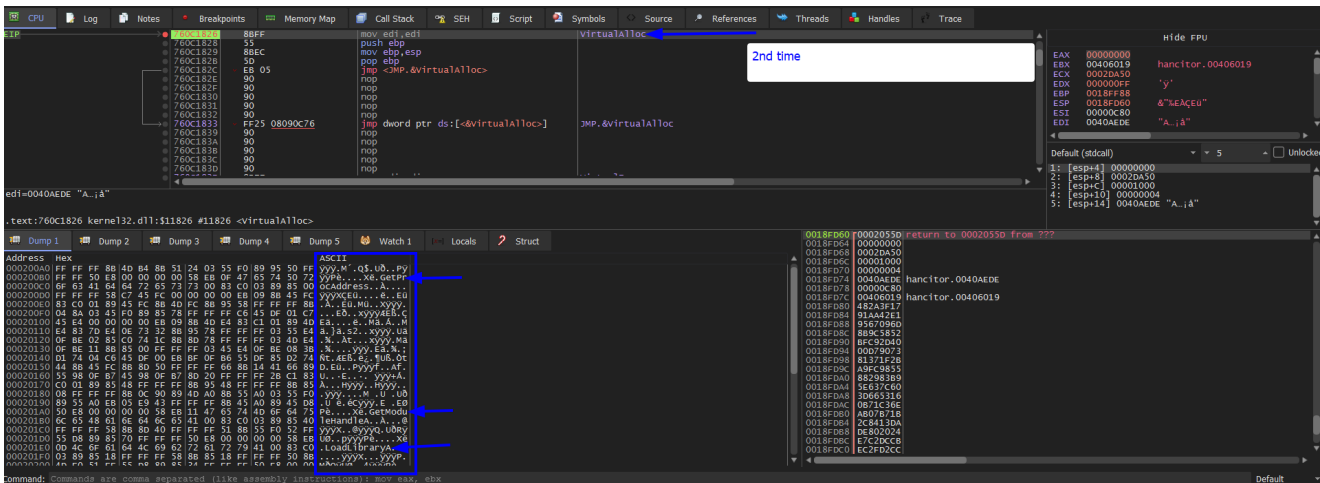
How unpacking works? well, packing process depends on the packer. So each packer has different unpacking routine.

So in this sample we will begin by setting two breakpoints in `VirtualAlloc` and `VirtualProtect`. Then run `f9` to hit the first breakpoint and then run again to hit the 2nd one which is `VirtualAlloc`. Then step over `f8` to the call of `virtualalloc`. Then dump `EAX`.



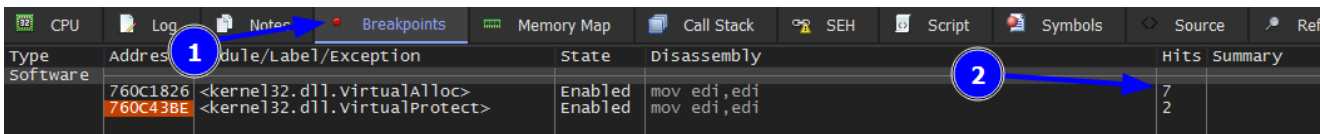
Figure(2):

Then run again to get to virtualAlloc to the 2nd time and see what dump has.



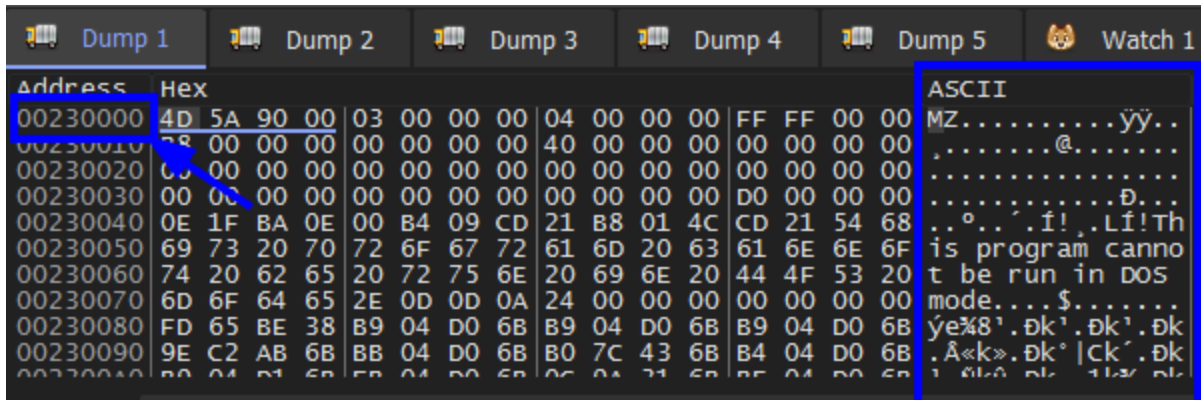
Figure(3):

We keep pressing **run** to hit the breakpoint of **virtualAlloc** **7** times. After that we we hit **run** again.



Figure(4):

We will see our unpacked **exe** in the dump. Then we **Follow in Memory map** and save to file. And **Image base** is **230000**.



Figure(5):

## Unmap the unpacked file

To get `improts` of the unpacked file. We need to repair the section headers see my article [Here](#). After unmapping you can see `Imports` and `libraries` .

## Article quote

وماذا يهيم إذا لم تكن الحياة على ما يُرام؟

## REF

- 1- <https://unit42.paloaltonetworks.com/hancitor-infections-cobalt-strike/>
- 2- [VirtualAlloc](#)
- 3- [VirtualProtect](#)