

Forum:[Hack Forums](#)

Thread: [Virtual machine safety](#)

Noobausaurus - September 14, 2024, 9:44 am

Hi ! I just started learning about cybersecurity.

And just discovered the virtual machine.

I saw that with kali Linux virtual machine you don't share the same ip with the real computer.

So my question is Why some hacker get caught by the police ? I assume they use virtual machine so they should be completely anonymous no ?

And if not is there a way to be completely anonymous ?

DramaKing - September 14, 2024, 10:22 am

(Sep 14, 2024 09:44 AM)Noobausaurus Wrote: [\[CITE\]](#) Hi ! I just started learning about cybersecurity. And just discovered the virtual machine.

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That's actually not true. The Internet isn't some nebulous thing where packets jump from one machine to another through the ether. Connections are routed. A hypervisor gives little OpSec on its own. Even with cloud services, a hacker may leave breadcrumbs for forensic investigators to follow.

Delfin - September 14, 2024, 10:33 am

I'm not sure what you mean by "don't share the same ip with the real computer", but this is incorrect. Both will have the exact same public IP. I believe you're thinking of the private IP address within a network. Your private IP is basically how you can identify separate devices on the same network. Basically, the actual IP you use to access websites is the same, so this doesn't provide any anonymity. There's many steps to having good OPSEC, and it requires various changes, not just using a VM.

If you want a guide for OPSEC, check out <https://anonymousplanet.org/> - it's the most comprehensive guide you'll find, and it's fantastic.

Epic - October 18, 2024, 11:12 am

(Sep 14, 2024 10:33 AM)Delfin Wrote: [\[CITE\]](#) I'm not sure what you mean by "don't share the same ip with the real computer", but this is incorrect. Both will have the exact same public IP. I believe you're thinking of the private IP address within a network. Your private IP is basically how you can identify separate devices on the same network. Basically, the actual IP you use to access websites is the same, so this doesn't provide any anonymity. There's many steps to having good OPSEC, and it requires various changes, not just using a VM.

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I've read that entire guide before, saw it linked on techlore a few months ago. Great to see someone post it here. Jumping off what you said, I would highly recommend everyone read what [Delfin](#) linked, it offers a ton of detailed information.