



nkaliyamurthy 10/01/2024 ↻

Discuss as a Group. Share your understanding of the term, if any.

Post your response to the discussion topic by clicking the plus button below.

Difference between virtual machine and physical computer

↻ ANONYMOUS 10/1/24 3:26PM

A virtual machine simulates a physical machine with complete software and hardware, and runs in a completely virtual environment; Virtual machine as its name, everything is virtual, physical machines need to consider the problem of physical devices, virtual machines do not need to consider; Virtual machines are more convenient and flexible than physical machines. The maximum number of virtual machines depends on the physical machine.

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↻ ANONYMOUS 10/1/24 3:25PM

Virtual machines are better for testing new software because they can be easily reset.

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↻ ANONYMOUS 10/1/24 3:24PM

A VM requires a network connection in order to connect to the VM, whereas you can use the physical computer without a network connection

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↻ ANONYMOUS 10/1/24 3:22PM

A virtual machine is simulated, and is run as a process on another existing machine (either VM or physical) while a physical machine runs off physical components

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↻ ANONYMOUS 10/1/24 3:20PM

Virtual machines are software defined assets, adhering to standards that make them portable, scalable, clonable, simple to back up / replicate / snapshot, and all of this is also easily automated by various platforms/vendors.

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Linux in real life!

↻ ANONYMOUS 10/1/24 3:25PM

Linux is an extremely malleable OS meaning lots of companies use it for free in order to shape it to their needs. Lots of WiFi routers use Linux, along with

cars using it for touchscreen displays, windows OS uses Linux at some points for its BASH commands.

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↩ **ANONYMOUS** 10/1/24 3:25PM

Many IOT devices run linux to due the light weight nature of linux

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↩ **ANONYMOUS** 10/1/24 3:23PM

A lot of organisations use linux in some form, even if they primarily operate in a windows environment, often for servers or IOT devices

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↩ **ANONYMOUS** 10/1/24 3:23PM

Absolutely everywhere - phones, kiosks, TV's, home routers, cars, smart watches... Open source nature makes it 'easy' to adapt to most needs/requirements without hefty licensing or royalties

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↩ **ANONYMOUS** 10/1/24 3:23PM

Linux is a versatile operating system widely used in servers, embedded systems, software development, personal computing, scientific research, networking, gaming, and cybersecurity. Its open-source nature and stability make it a preferred choice across various domains, driving innovation and efficiency.

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Experience with coding!!!

↩ **ANONYMOUS** 10/1/24 3:26PM

Python benefits

A benefit python has is that you don't need to say the type of variable when creating a variable

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↩ **ANONYMOUS** 10/1/24 3:24PM

Limited experience- Python much closer in structure and terms to English compared to something like C++...

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↩ **ORIN** 10/1/24 3:24PM

Messed around with HTML & C++ with a project we had with Gareth but not much experience with both languages

JavaScript messed around for a while in my spare time
seeing what I can make as well as finding problems

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↩ **ANONYMOUS** 10/1/24 3:23PM

Little experience

I have used python although I am not
that confident in it to do much with it.

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↩ **ANONYMOUS** 10/1/24 3:20PM

A level

Used coding for A level project, python based.

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