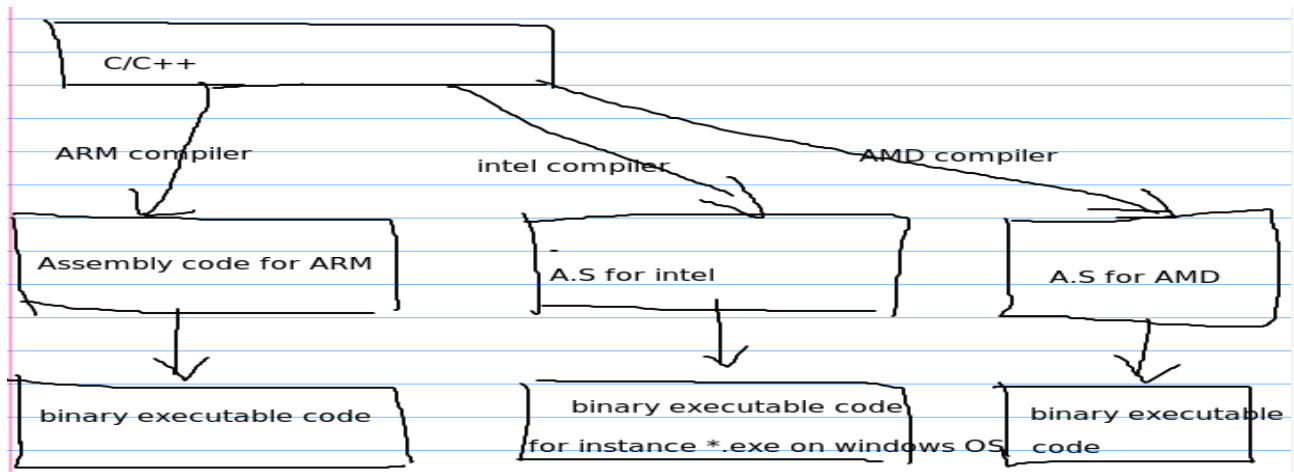


WebAssembly vs javascript

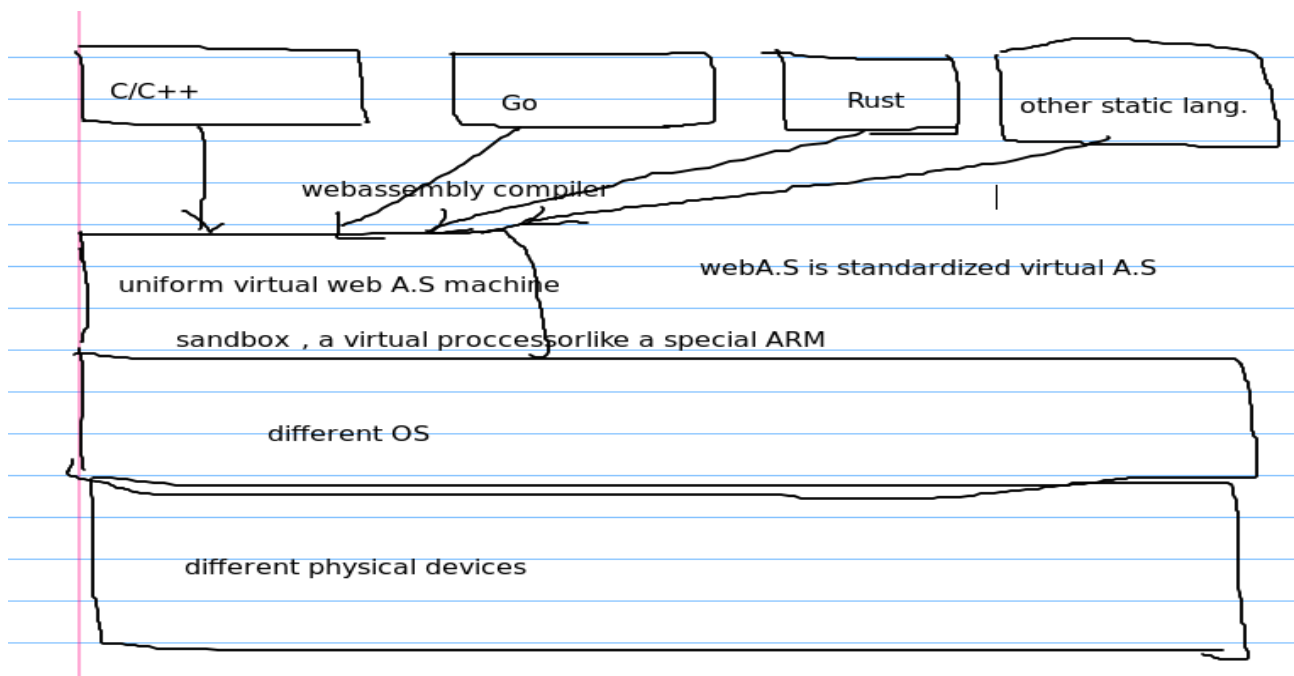
webAssembly is going to change web and cloud service

what is webAssembly (safe,portable,faster. Compared to js)

Assembly code for different devices



webassembly : can we create a virtual processor (like ARM, CPU) sitting on top of OS, with uniform assembly instruction?





Solomon Hykes
@solomonstre

...

If WASM+WASI existed in 2008, we wouldn't have needed to create Docker. That's how important it is. Webassembly on the server is the future of computing. A standardized system interface was the missing link. Let's hope WASI is up to the task!



Lin Clark @linclark · Mar 28, 2019

WebAssembly running outside the web has a huge future. And that future gets one giant leap closer today with...

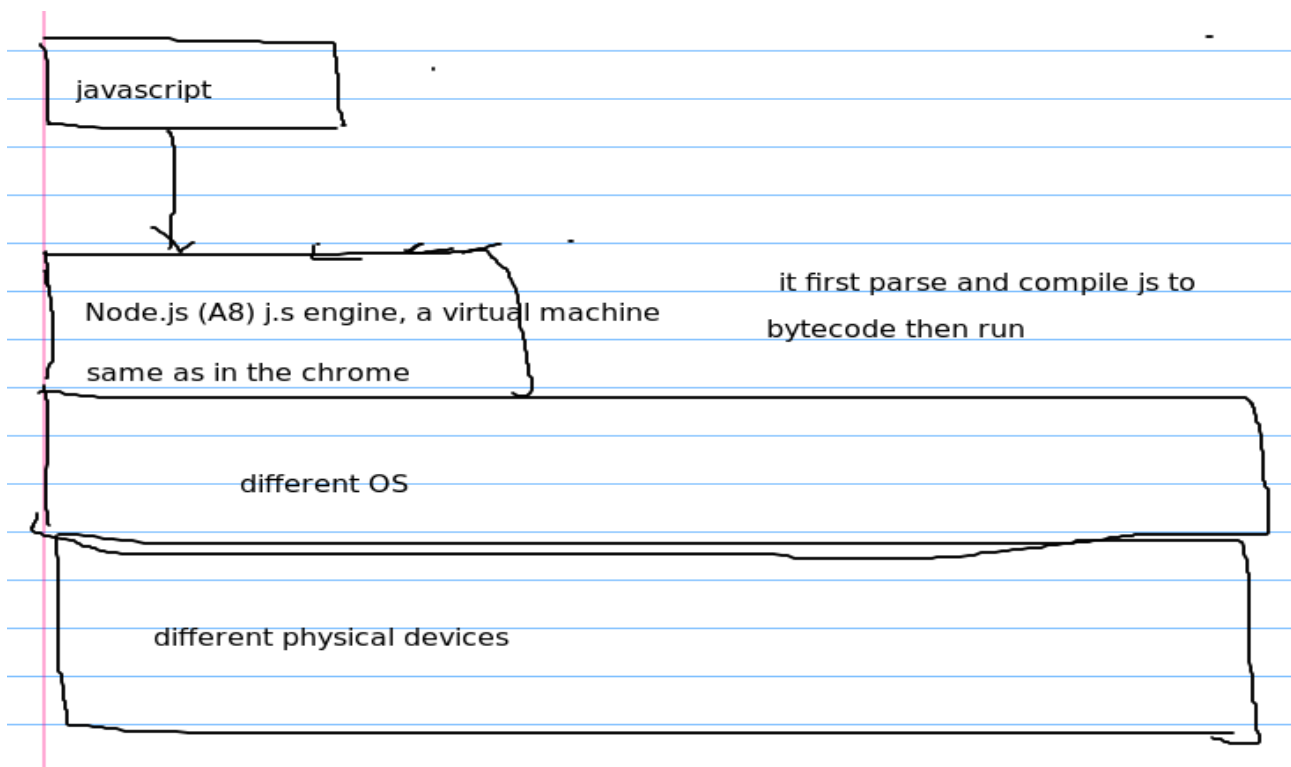
 **Announcing WASI: A system interface for running WebAssembly outside the web (and inside it too)**

[hacks.mozilla.org/2019/03/standa...](https://hacks.mozilla.org/2019/03/standards-for-webassembly/)

[Show this thread](#)

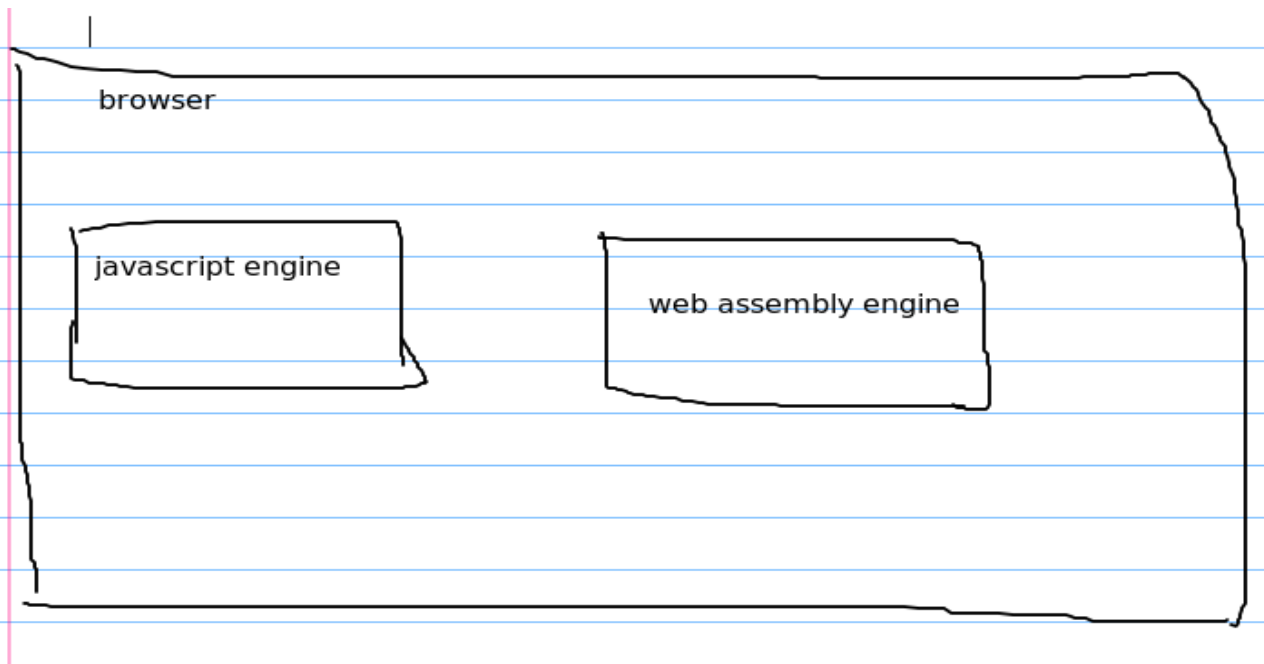
web assembly you don't write webA.S but compiled from other static languages, so that nowadays a lot of projects written in C++ can run in browser now, for instance google map,figma, shopify(backend,because webAS is running in a sandbox,it is safe,so they allow customers to write customized service code in the backend without threatening their system security),etc

javascript



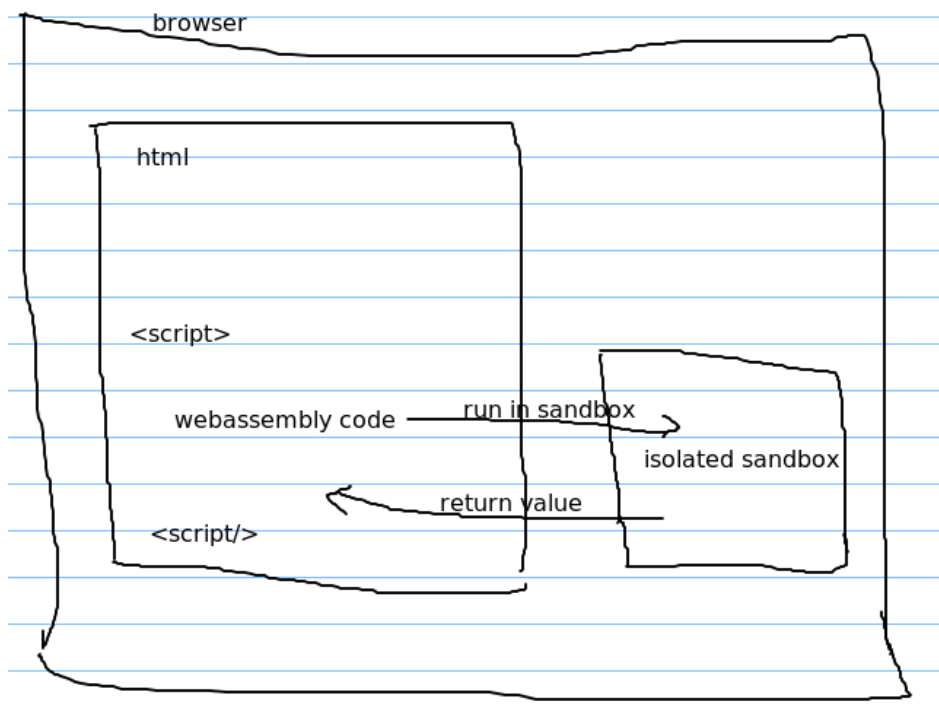
now browsers come with both javascript engine and webassembly engine inside

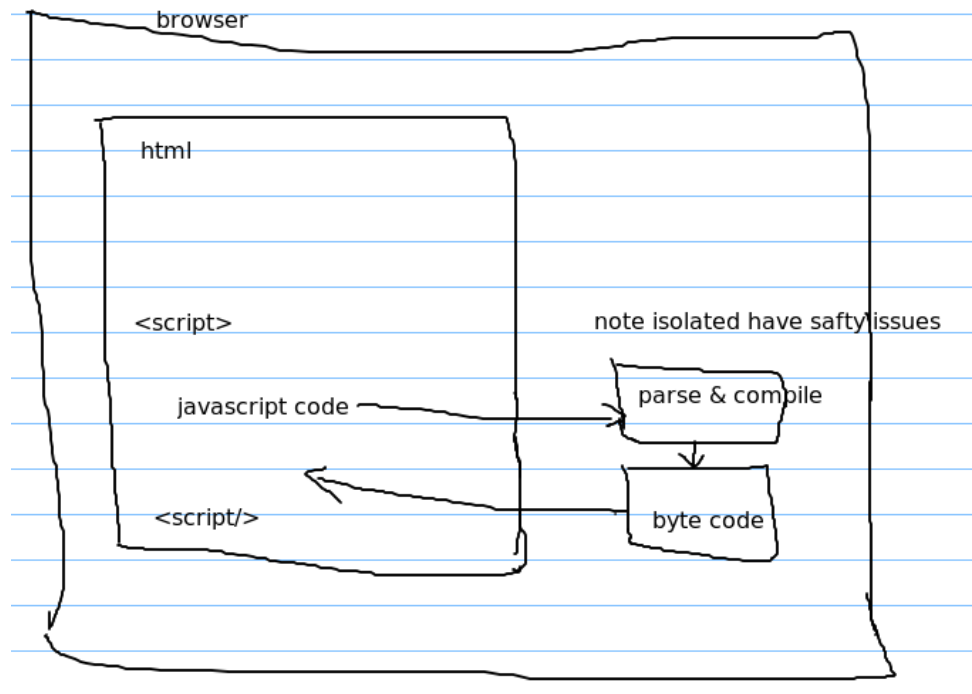
so both of them can run in frontend and backend



Both can run on browser

Nearly all browser support webAssembly now!





Because webassembly is a byte code, so it is running much much faster than javascript. And because webassembly is running in a sandbox, which is very much like container isolation technology, the access to the file system and other native device is restricted, so that it is very safe, on the other hand javascript is not safe, because its access to the native device is not restricted.

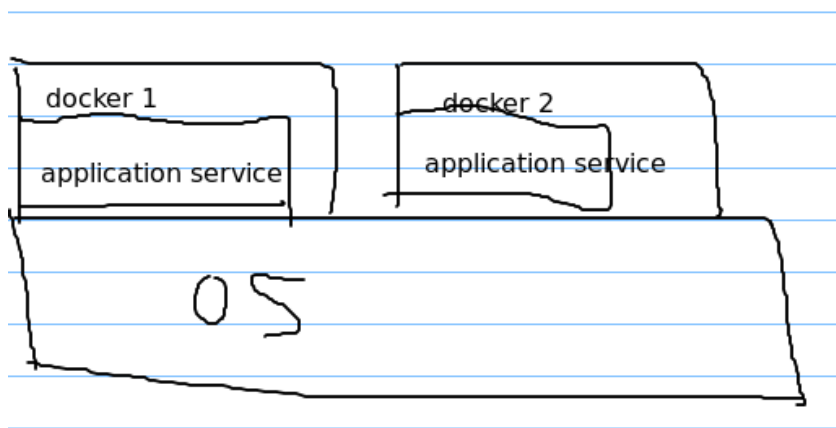
What you can do with javascript can be accomplished with webassembly.

And webassembly can do more than just running in browser, it can be a very good and safety running code in the backend as well! Will discuss it later .

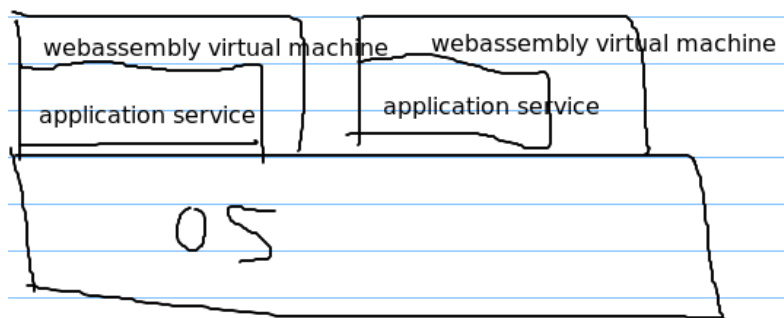
Two very important needs in distributed cloud computing world

1. once I have finished my project code with language like go, and configure it, how can deploy it to anywhere without repeated and complicated work to make it run.
2. I have a piece of code (service) can anyone run it for me without worrying about safety!

For the first need, people have come up with docker technology, docker is a container that simulate a running environment, for instance an virtual os. For instance I have a backend server application, if I run it in a docker container, I can deploy it on any other VPS, the only thing I have to do is to install a docker APP.



Now that we have lightweight webassembly virtual machine, we can now compile our project written in go / C++ / C into webassembly byte code and run it on webassembly virtual machine.



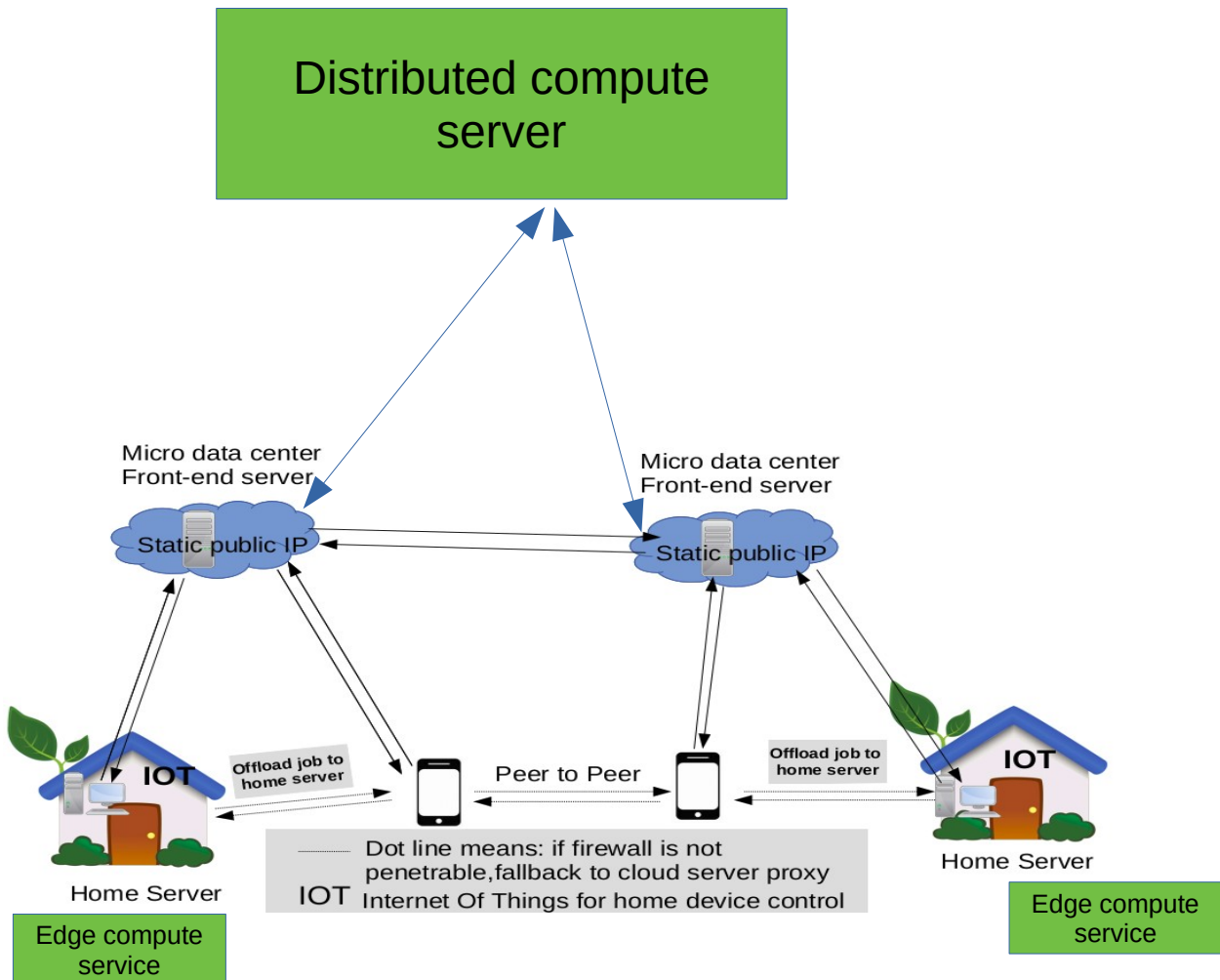
Docker is targeting for deployment, simulating environment, not taking safety in mind, docker pack application code with the dependence and environment in a container, and pass it around to any server people want to deploy their application, while webAssembly engine is simulating processor, we only have to pass around the webassembly code around to any place we want to deploy.

For the second need, it is kind of like micro-service, you can off-load your computation among cloud or edge devices, but before webassembly was invented, the other language like c++ or javascript is either too difficult to configure the running environment or not safe to run because the piece of code is allowed to access local private devices like webcam. Now with webassembly come to life, it makes life a lot of easier. Because the webassembly sandbox is very safe and isolated from local devices like webcam etc ...

so it opens a possibility for individual to utilize their home server device / edge devices to provide edge computing services. As illustrated below.

how to make money with your idle home server (high performance computer) in the era of decentralized microservice

Like CDN (content delivery network) to speed up the access to a hosted website, every individual can provide compute service to offload a data center's heavy computation task, since now we have webassembly bytecode which can be safely run everywhere. So besides provide mining service, decentralized storage service, we can now provide compute service to make money from our idle server at home.



<http://www.deconsormedia.org/>

A decentralized p2p homebased IOT social media, your website your garden!

Wake up! Amplify this voice!

We are in silent world war III

mRNA Global mindcontrol

Neural cell genetics Dose by dose plot

Precise neural control

**A beam of microwave can control the entire
Army, like harvesting peaches on the tree!
Human will have no chance to fight back!**

**《 1984 》 is happening, for we are being
genetically changed by the doses**

Pdf : <http://www.decensormedia.org/mindcontrol>

Brain wave! AI brain control! 두뇌 제어

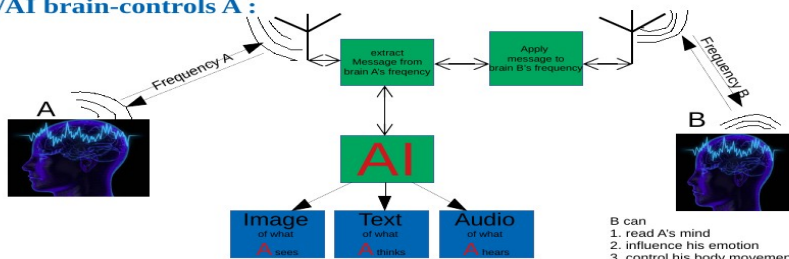
그들은 우리의 두뇌를 읽고 있습니다

They read our mind, Influence our emotion

Even control body movement when kidnap

We need decentralization: www.decensormedia.org

**A picture explains how
B/AI brain-controls A :**



Military 군사 수준 **VS** **Commercial** 상업 급료



**SOS: hackers destroying my online job, isolating/corner me, stalking me!
China Operation Fox Hunt, Kidnap**

you don't hear this from the mainstream media, because big figures are mindcontrolled! They will be facing lawsuit and in big trouble, even life danger if they go against the dark shadow!

Mindcontrol is far beyond just reading your brain knowing your secret and set a trap for you, so they have some evidence to make you end up in jail for thousand years long!

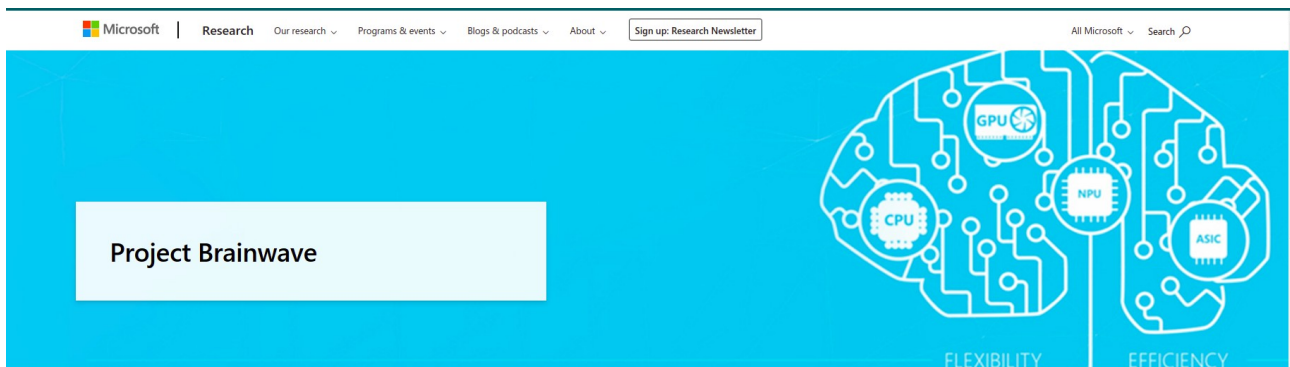
To be honest I still feel like in a dream to realize that they are so mad to inject uniform-slavery-control gene into our blood and our offspring's blood!

We see many many cases of people dying from heart problem, these are live feedback test and warning signals as well ! Because our information is severely censored, many accounts are shut down for talking about the dose! So you should smell something familiar ! NO body has the right to silence anybody in the name of love or their justice standard! Only they are afraid of something or try to hide something ugly!

Remember one very basic physics: light is electromagnetic wave! If they can control mouse's sex intercourse desire with a beam of light, they can also control our heart and many other organ with a beam of electromagnetic wave!



By the way, I am good at accelerating deep learning(AI) and computer vision algorithms on FPGA and GPU, here is a very interesting project called: project brainwave.



Bill Gates: How Gene Editing, AI Can Benefit World's Poorest

Bill Gates: How Gene Editing, AI can Benefit World's Poorest