

MET Conf



Perché WebAssembly

Sponsors



Fluentis
the ERP ready to go live!

[stesi]

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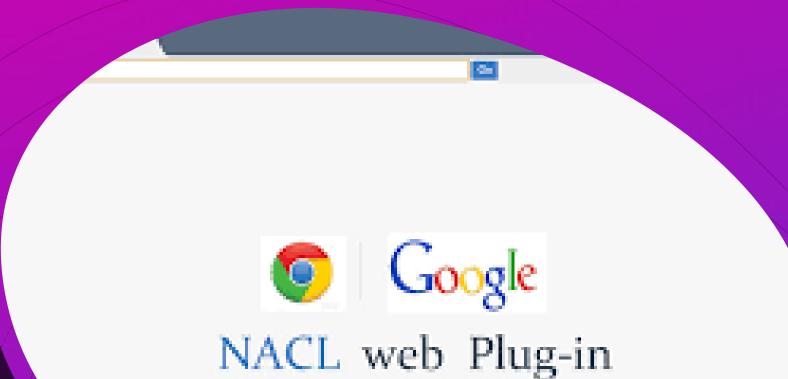


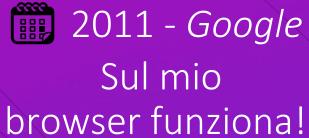
1995 – Bernard Eich

JavaScript! e nulla fu più come prima!





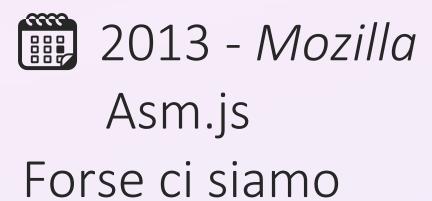




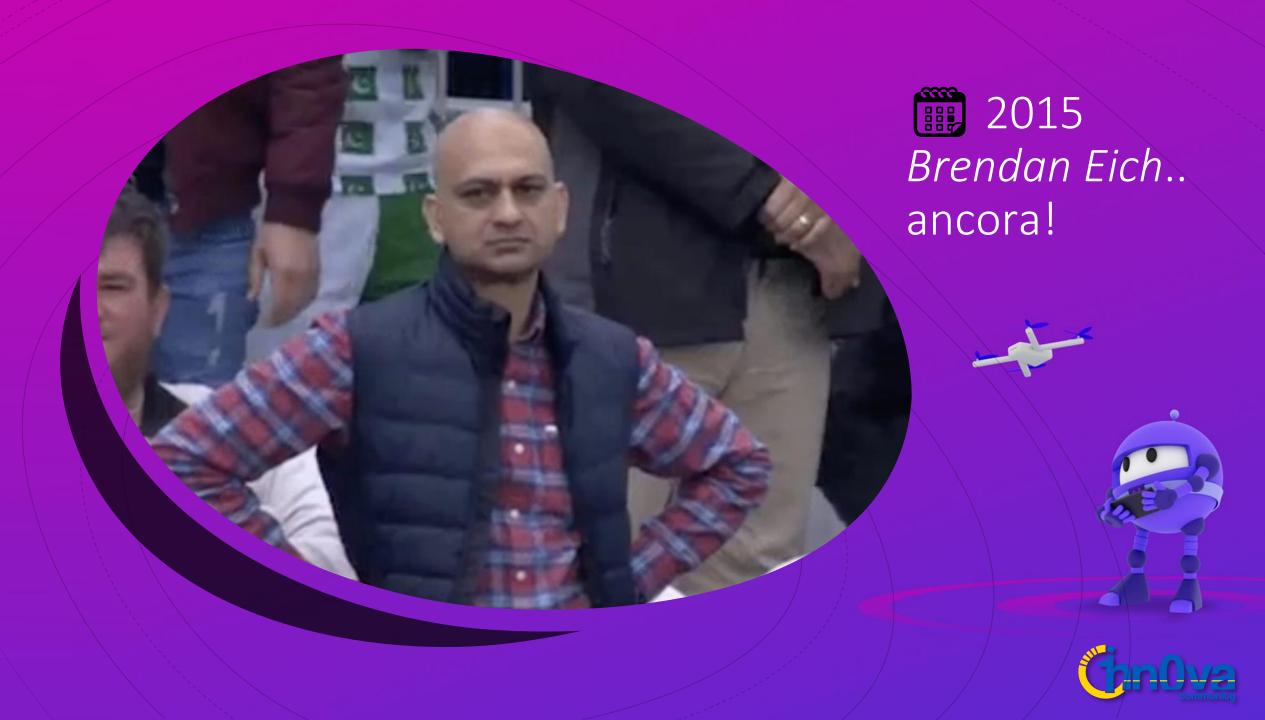
















Chi ha bisogno di Wasm?

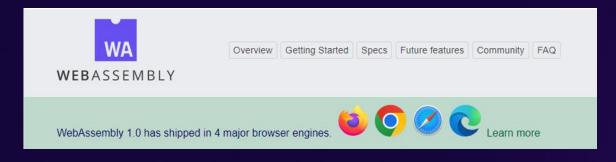








Cos'è WebAssembly?



WebAssembly (abbreviated *Wasm*) is a binary instruction format for a stack-based virtual machine. Wasm is designed as a portable compilation target for programming languages, enabling deployment on the web for client and server applications.



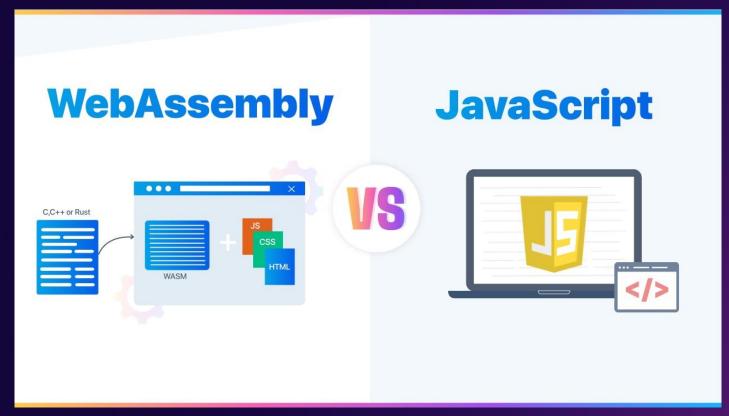








JavaScript is dead. Long live to JavaScript!



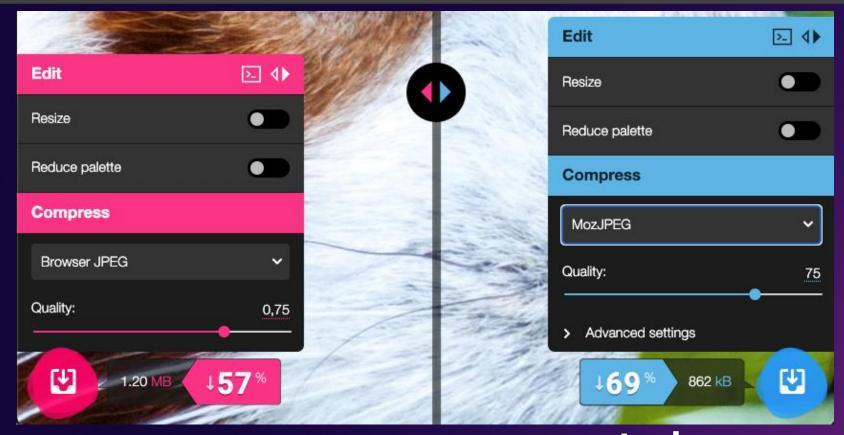








Use Case: Ottimizzazione Immagini nel Browser



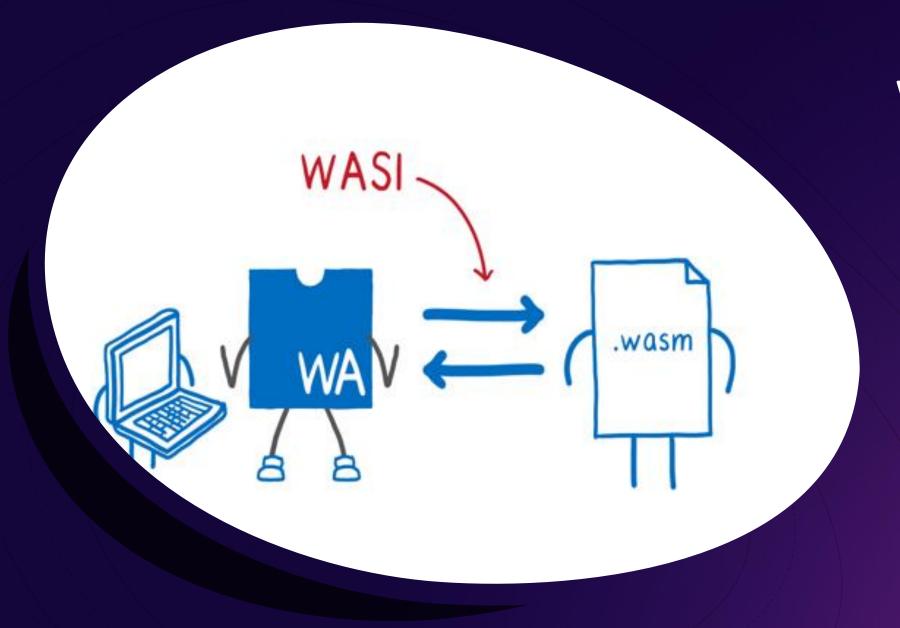












WASI

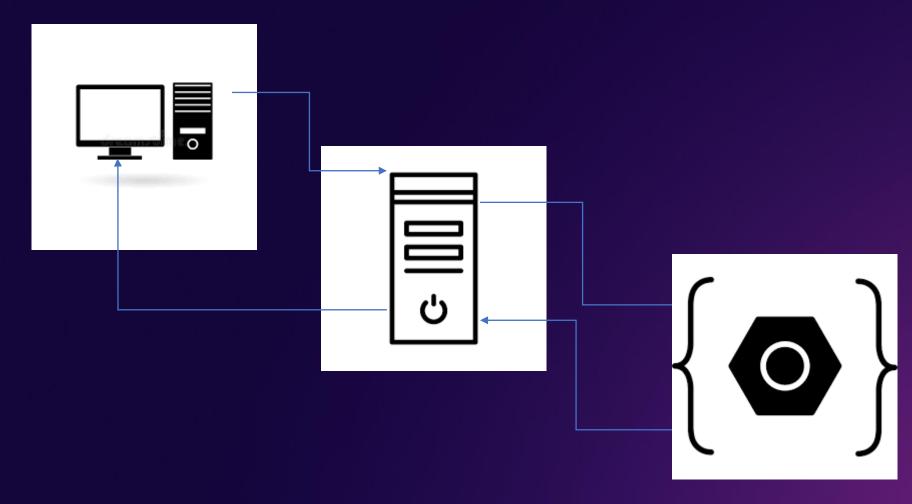








WAGI











WebAssembly and .NET



- Enhanced debugging
- Hot reload improvements
- Expanded web crypto
- Improved JavaScript interop
- Multithreading (preview)







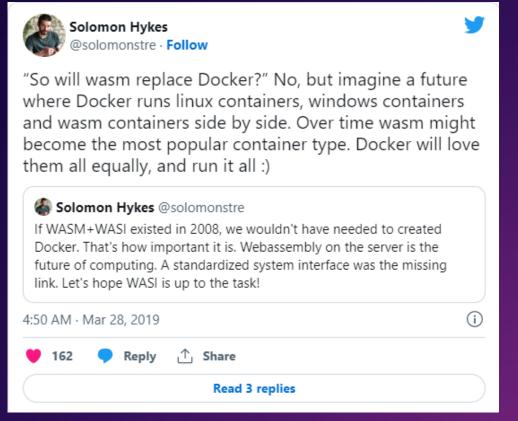
Demo





WebAssembly & Docker



















Usiamo WebAssembly per

- Avviare e arrestare microservizi che svolgano, ognuno, un semplice task (AWS Lamba, Azure Functions?)
- Mantengono il consumo di risorse al minimo
- Possono scalare rapidamente

Usiamo Docker per

- Mantenere lo stato e organizzare le comunicazioni tra diversi moduli WebAssembly
- Long Running Process (Saga)
- Processi con carichi prevedibili









Docker loves WebAssembly

66

The Docker+wasm announcement makes perfect sense. We no longer live in a single-runtime world: there are Linux containers, windows containers, and wasm containers. OCI can package them all, I should be able to build and run them all with @docker. — <u>Solomon Hykes</u>, co-founder of Docker.



WHAT'S NEW

Docker + Wasm = Awesome!

Wasm is a new, fast and light alternative to the Linux/Windows containers you're using in Docker today — give it a try with the Docker+Wasm Technical Preview.

→ Try it



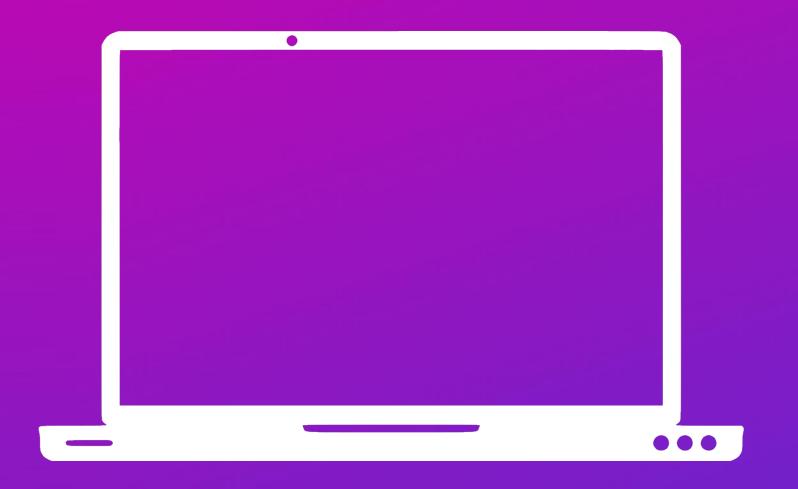








Demo





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