

Why Is WebAssembly Such a Big Deal?



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Introduction



Why WebAssembly is a big deal

Things to remember



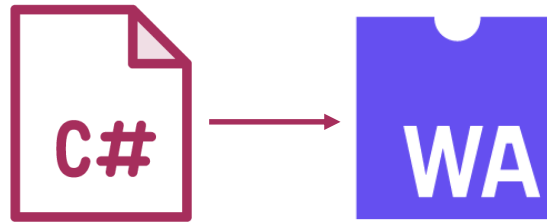
Why WebAssembly Is a Big Deal



Why WebAssembly?



Run code at near-native speed



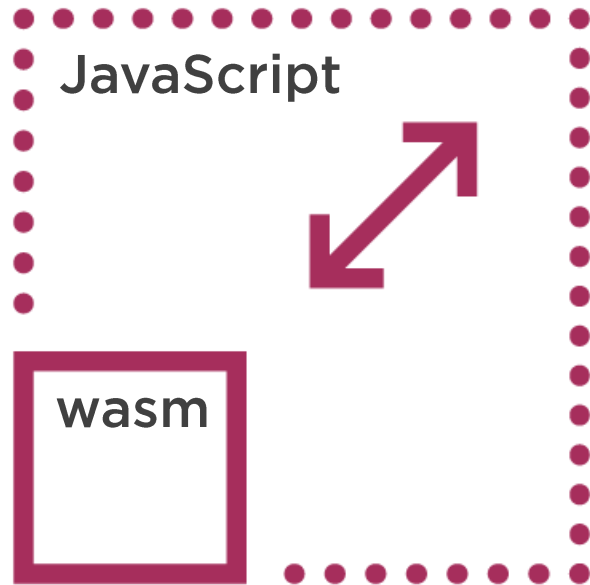
Other languages can be compiled to WebAssembly



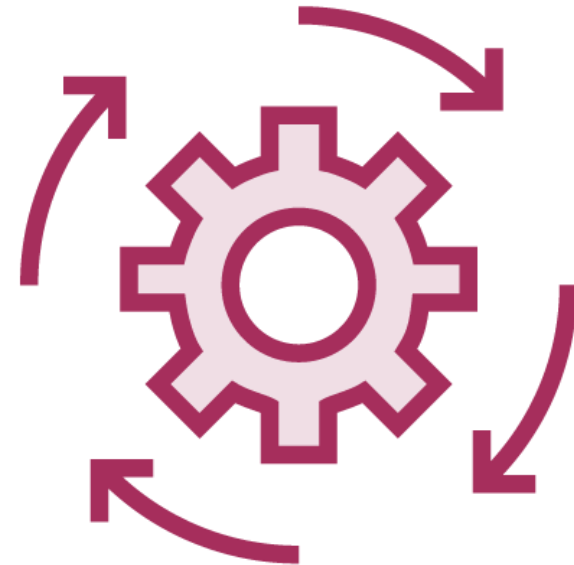
Natively supported by browsers - no plugin needed



WebAssembly Is Fast!



WebAssembly files are smaller than JavaScript files



WebAssembly executes much faster than JavaScript

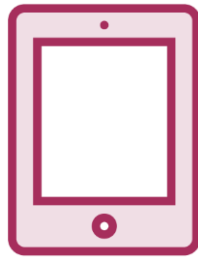
6X ~ 20X



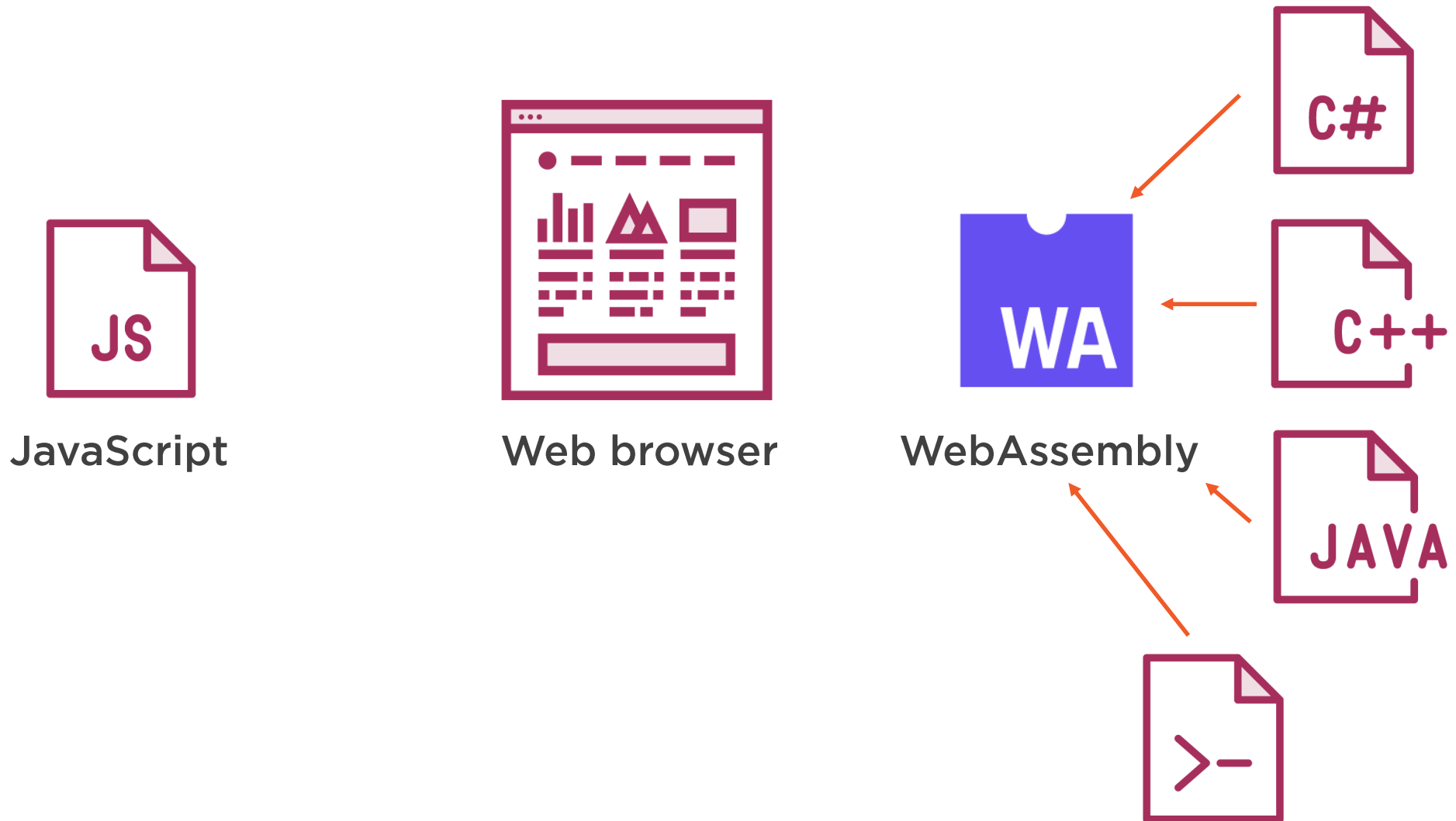
Compile Other Languages to WebAssembly



Web browser



Compile Other Languages to WebAssembly



Compile Other Languages to WebAssembly



JavaScript



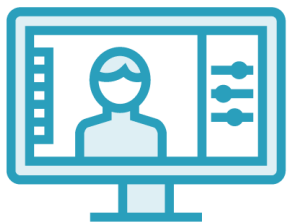
Web browser



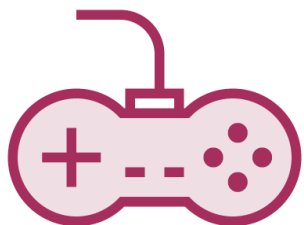
WebAssembly



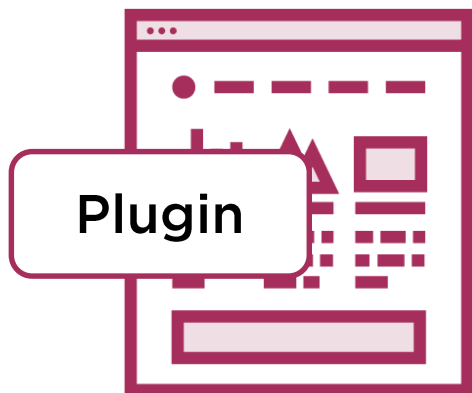
WebAssembly Is Part of the Browser



Video / audio editing



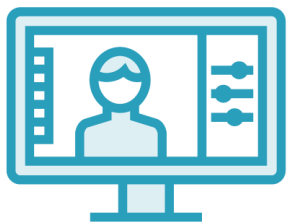
Gaming



Web browser



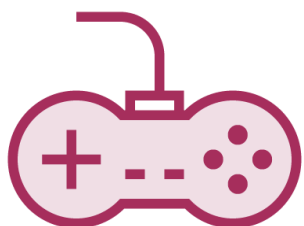
WebAssembly Is Part of the Browser



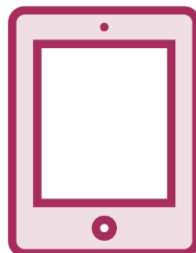
Video / audio editing



Web browser



Gaming



Things to Remember



WebAssembly is fast

- Use it for computationally intensive tasks

Other languages can be compiled to WebAssembly

- Opens up the world of web development
- Reuse of existing code for the web

WebAssembly is part of the browser

- No plugins needed