Dune The OCaml build system



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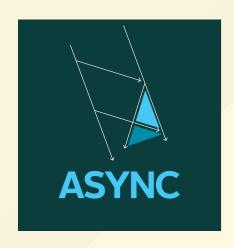
Jane Street



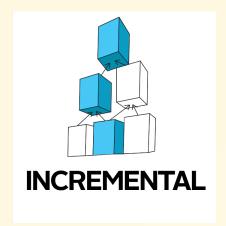












The history of Dune

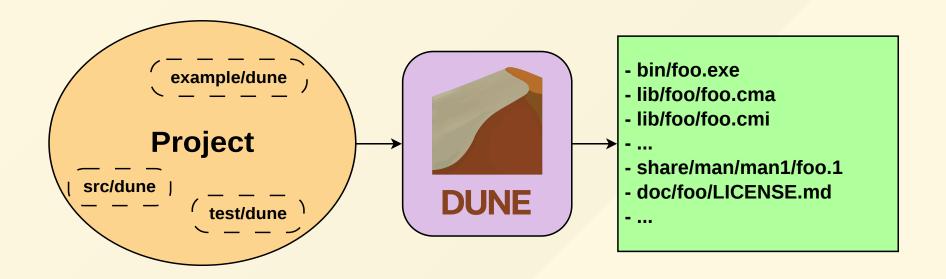
At the beginning, there was omake, ocamlbuild, ...

... then Jane Street did Jenga and the Jenga rules...

... then a domain specific tool called jbuilder...

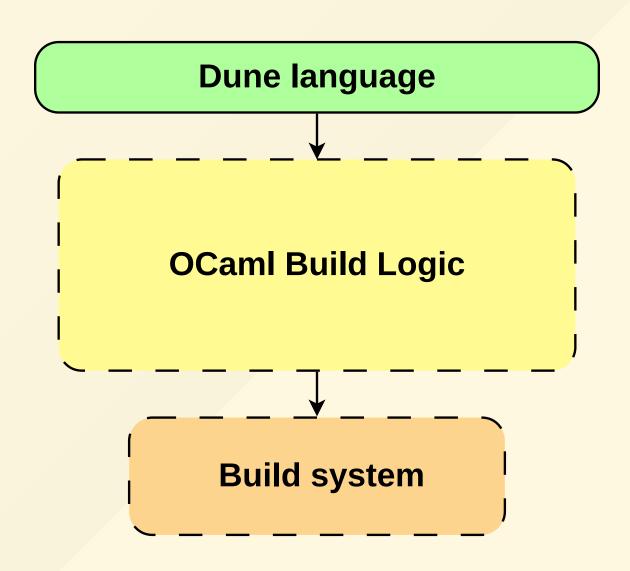
... and finally Dune.

What is Dune?



```
(library
  (public_name mylib)
  (libraries base re lwt))

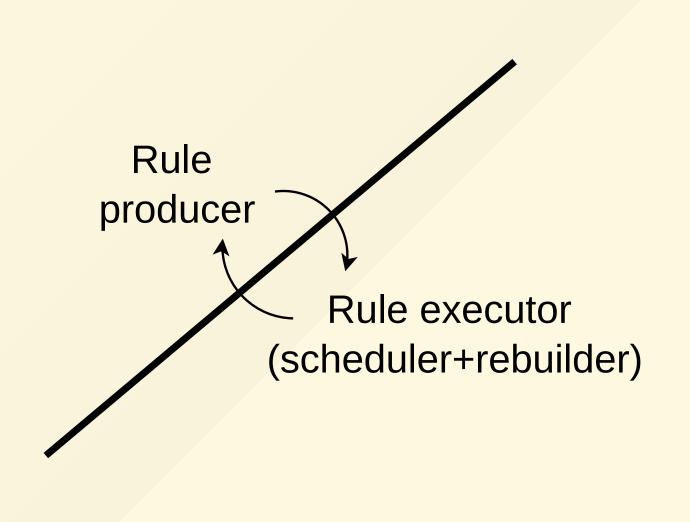
; Custom build rule
  (rule (with-stdout-to m.ml (run gen/gen.exe)))
```



Interesting Dune features

- Composability
- Multiple build contexts

How does it work?



Memoisation framework

get_lib("foo/src") read_dune_file("foo/src/dune") read_file("foo/src/dune")

The end





opensource.janestreet.com