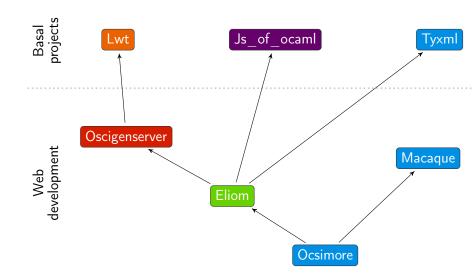
# The Ocsigen-Project The State of the Art, and the Prospects

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# The Ocsigen-Zoo

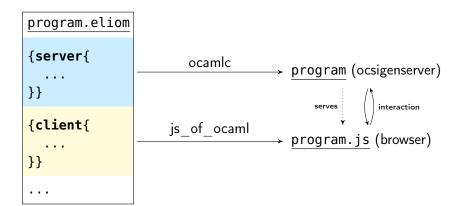


http://ocsigen.org/chat3

## eliomc

### eliomc

The compilation process



# Injections

Exchange between sections

Injections

▶ The value as of the *delivery* of the program

## Injections

Exchange between sections

Injections

- The value as of the delivery of the program
- Example: Chat, reflecting the list of users

```
{server{
    ... let users : user signal = ...
}}
{client{
    let () = Lwt_react.S.keep
        (React.S.map (reflect_users users_ul) %users)
}}
```

### Client values

Client values

```
{server{
    ...
    let v : α client_value = {{ ... }} in
    ...
}}
```

- Abstract on server, synonym on client
- ► Guess, what is a type of: {{ %(x : t client\_value) }}

#### Client values

► Client values

```
{server{
    ...
    let v : α client_value = {{ ... }} in
    ...
}
```

- ► Abstract on server, synonym on client
- ► Guess, what is a type of: {{ %(x : t client\_value) }}
- Example: Chat, browser event handler on the server

```
{server{
  let dialog_widget dialog =
    let close =
        {{ fun ev -> close_dialog %dialog }}
  in div [ ...;
    span ~a:[a_onclick close] [pcdata "x"]]
}}
```

## Batteries included

- Services
   Abstraction of HTTP resources
- ► References

  Server-side state arranged by client
- Client application
   Persistent across navigation
- Communication
   Buses, reactive data
- ► Remote procedure calls



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