Scaling Erlang Web Applications

100 to 100K users at one web server

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Inaka Labs

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Who am I?

TODO: some funny stuff about Argentina, me, Erlang, elbrujohalcon... maybe some pictures

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Brief review of my story, why am I an Erlang programmer, how much I know about web applications and scalability

About Inaka

TODO: Inaka's Info

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Brief review of Inaka's story, the systems we develop and why scalability matters to us

Outline

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We will work on the scalability of a *web* project

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We will work on the scalability of a *web* project that has a *HTTP API* and keeps clients *connected* to the server for *long periods* of time.

We will work on the scalability of a *web* project that has a *HTTP API* and keeps clients *connected* to the server for *long periods* of time. For example:

- Social sites
- Chat sites
- Sports sites

We will deal with

- OTP behaviours
- TCP connections
- mochiweb
- Underlaying system configurations

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- OTP behaviours
- TCP connections
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*We will **not** deal with*

- Multiple machines/nodes
- Databases

Goals

TODO: this stage goals

Steps

TODO: this stage steps

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OS TWEAKS

TODO: Copy from the article

Erlang tweaks

TODO: Copy from the article on listeners TODO: Copy from the article on inbound TCP connections TODO: Copy from the article on outbound TCP connections

GEN_EVENT

TODO: Copy from the article on sup_handler TODO: Copy from the article on long delivery queues

GEN_SERVERS

TODO: Copy from the article on timing out TODO: Copy from the article on too much memory TODO: Copy from the article on taking too long to initiliaze

SUPERVISORS

TODO: Copy from the article

Process Registration

TODO: Copy from the article

Timers

TODO: Copy from the article

Logging

TODO: Copy from the article

Summary

TODO: Summary

Other stuff

that we left out of this presentation

TODO: List of other scalability stuff we left out

Any questions?

```
-spec fact(integer()) -> integer().
fact(N) ->
        lists:fold(fun(X, F) ->
                           F * X
                   end, 1, lists:seq(1,N)).
```