

What I did on my vacation

{ Spawnfest!



& 48 hours

& #erlang

& Other legalese

Spawnfest

Rules

- The contest commences at midnight Saturday 7th of July, 2012 00:00:00 GMT+0 and ends on Sunday 8th of July, 2012 23:59:59 GMT+0
- Team size is 1 to 4
 - Every team member has to be a human being, not an organization
- Primary language of choice: Erlang.
 - Supplementary languages such as JavaScript (and JS frameworks) are allowed (for example, for web applications)
 - Experimental languages (such as Reia, LFE, joxa, Elixir or Efene) on top of BEAM are discouraged but not prohibited (we can't expect judges to know them)
- 48 hours
 - No code can be created before the start of the contest
 - You should commit regularly to show your progress
 - You have to use a private Git repository that will be provided to you
 - No prior artwork can be created but third party artwork can be used
 - Usage of third party libraries and web services is not prohibited, even encouraged
- Eligibility
 - 13 years or older
 - Unless such skill-based contests are prohibited in entrant's jurisdiction
 - Not judging this contest
 - Registered no later than two days before the actual contest
- Hosting: we'll provide with Linux VPSes, if you need another OS, host it yourself. Usage of provided VPSes is not mandatory. Specific build instructions (Makefiles, Rebar) have to be provided so that the the judges can run your entry locally
- Ownership and Copyright: you retain all the rights to your submission; we're only running a contest
- User Privacy: for online applications (such as web applications) that collect personal information do not reveal any of personally identifiable information unless required to do so by law. Please respect people's privacy.
- Lawful submissions only: please do not submit anything that can be considered harmful, unlawful or both. Your submission should abide the laws of your jurisdiction and the United States of America laws.
- You Will Be Judged, unless disqualified.
- You Will Be Disqualified, unless you abide to these rules
- Contest organizers will not reimburse you for any expenses or losses.
- Contest organizers are not responsible for any damage, legal actions or any other outcomes that might be a result of your participation.
- Prizes
 - Contest organizers are not responsible for the delivery of any prizes or other awards.
- We reserve a right to change these rules without prior notification.

↳ “Crowd-sourcing the Sourcing of crowds”

Erlymob

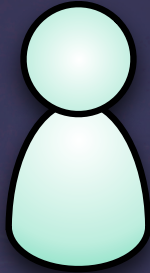
& Flash-mobs

& Activism

& “Quick notice” meetups

Erlymob

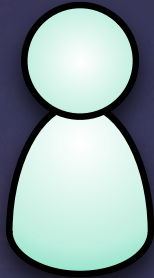




Thriller "Monster Dance", 6:30pm today -->
<https://maps.google.com/maps?ll=40.731129,-73.985581>



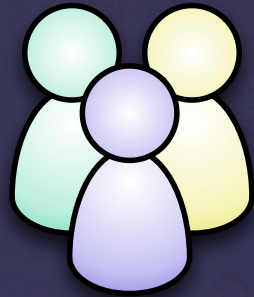
Erlymob



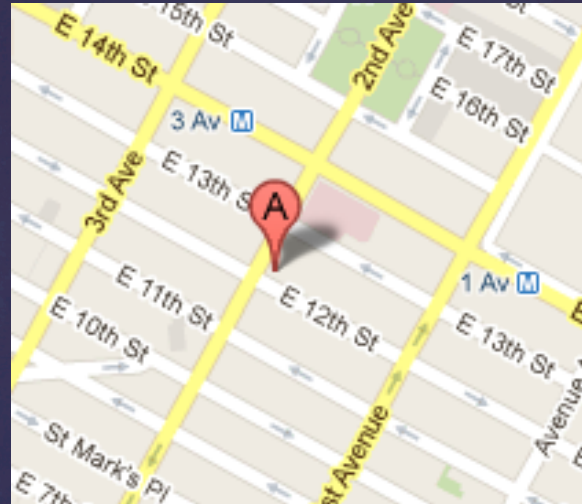
#mobA313f



Erlymob



Thriller "Monster Dance", 6:30pm today



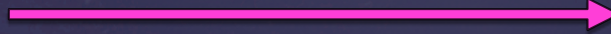
Erlymob



I Like it!



I Ignore it!



I'll Do it!



Erlymob




Team Net_Split



& Who scheduled dinner for Saturday evening?

Team Net_Split

A photograph of a man in a white button-down shirt sitting at a table in a restaurant. He has a neutral, somewhat unimpressed expression. In the background, other people are seated at tables, and the restaurant's interior is dimly lit with warm lights. The text "I should be enjoying this" is overlaid on the right side of the image.

I should be enjoying this

& Your flight is *when*?

Team Net_Split



I should be enjoying this

⌘ But I *like* diving

Team Net_Split

I should be enjoying this



⌘ Who scheduled dinner?

⌘ Your flight is *when*?

⌘ But I *like* diving

⌘ Oh right, my wife is also part of this vacation

Team Net_Split



The best laid schemes o' mice an' men
Gang aft agley

Evolution (in reverse)

What We Planned

Incoming Posts

Sent on same Node

Sent across Nodes

Notification Only

Consults

Sent across All Nodes

Incoming User Locations



What We Hoped For

Incoming Posts

Sent on same Node

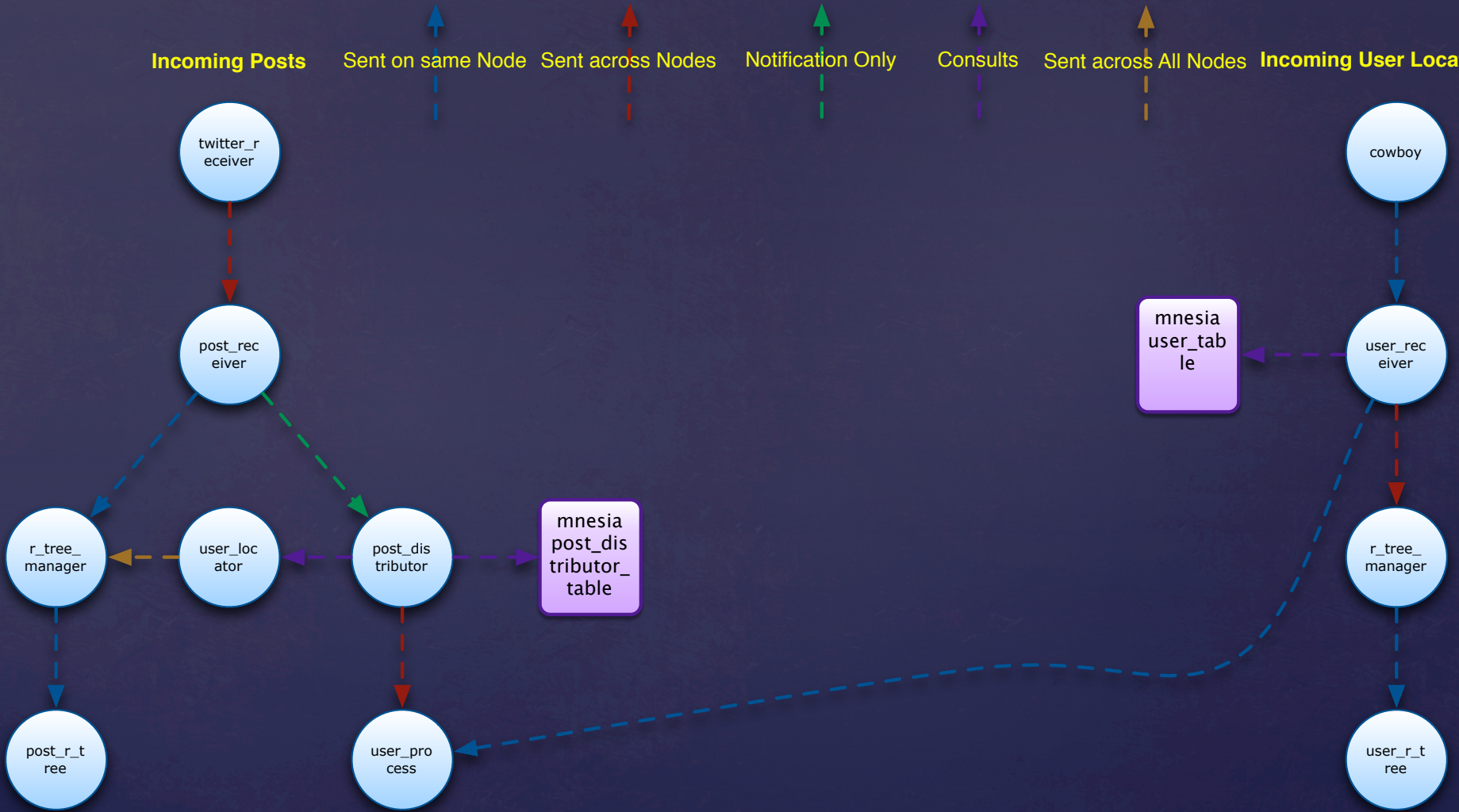
Sent across Nodes

Notification Only

Consults

Sent across All Nodes

Incoming User Locations



What We Got

Incoming Posts

Sent on same Node

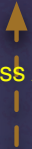
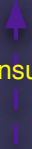
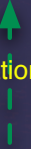
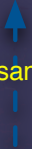
Sent across Nodes

Notification Only

Consults

Sent across All Nodes

Incoming User Locations



& R-Trees

What got dropped

& R-Trees

& Notifications

What got dropped

& R-Trees

& Notifications

& Web-sockets

What got dropped

& R-Trees

& Notifications

& Web-sockets

& 2nd persistence layer

What got dropped

& app_cache :

https://github.com/dieswaytoofast/app_cache

Mnesia-based persistence and caching

Serendipity

```
#app_metatable{
    table = test_table,
    version = 1,
    time_to_live = 60*60,
    type = bag,
    fields = [id, timestamp, pretty_name, dest],
    secondary_index_fields = [dest],
    read_transform_function = fun rtf/1,
    write_transform_function = fun wtf/1,
    refresh_function = fun ref/1,
    persist_function = fun per/1
}
```

app_cache - definitions


```
% Initialize
app_cache:cache_init(TableInfo)

% Using this function
app_cache_table_info:table_info(TableName, TableType,
    TimeToLive, Fields, SecondaryIndexFields)

% Like so
app_cache_table_info:table_info(test_table, bag,
    60*60, [id, timestamp, pretty_name, dest], [dest])
```

app_cache - init

```
%% Data accessor APIs
▼ -export([key_exists/2,
          get_data_from_index/3, get_data/2, get_data_b
          get_last_n_entries/2,
          get_first_n_entries/2,
          get_after/2,
          set_data/1, remove_data/2]).
```

app_cache - accessors


```
-export([sequence_create/1, sequence_create/2,  
        sequence_set_value/2,  
        sequence_current_value/1,  
        sequence_next_value/1, sequence_next_value/2,  
        sequence_delete/1]).
```

app_cache - sequences

```
-export([set_read_transform_function/2,  
        set_write_transform_function/2,  
        set_refresh_function/2,  
        set_persist_function/2  
1]).
```

app_cache - transforms

& Inspired by :

<https://github.com/jcomellas/mlapi>

app_cache

& twitterl :

<https://github.com/dieswaytoofast/twitterl>

Twitter API


```
-export([get_request_token/0, get_request_token/1, get_access_token/3]).
-export([statuses_home_timeline/4,
        statuses_user_timeline/4,
        statuses_user_timeline_stream/4,
        statuses_retweeted_by_me/4,
        statuses_retweeted_to_me/4,
        statuses_retweets_of_me/4,
        statuses_retweeted_to_user/4,
        statuses_retweeted_by_user/4,
        statuses_mentions/4]).
-export([statuses_update/4,
        statuses_update_with_media/4,
        statuses_destroy/5,
        statuses_retweeted_by/5,
        statuses_retweeted_by_ids/5,
        statuses_retweets/5,
        statuses_retweet/5,
        statuses_oembed/4,
        statuses_show/4]).
-export([users_show/4,
        users_lookup/4]).
-export([account_verify_credentials/4,
        account_settings/4]).
```

REST & Streaming APIs

```
-record(tweet, {  
    id_str           :: binary(),  
    id              :: integer(),  
    in_reply_to_status_id_str :: binary(),  
    in_reply_to_status_id    :: integer(),  
    in_reply_to_user_id_str  :: binary(),  
    in_reply_to_user_id     :: integer(),  
    in_reply_to_screen_name  :: binary(),  
    text                   :: binary(),  
    coordinates            :: any(),  
    place                  :: any(),  
    geo                    :: #bounding_box{},  
    created_at             :: epoch(),  
    user                   :: #twitter_user{},  
    entities               :: #entities{}  
}).
```

Erlang-world

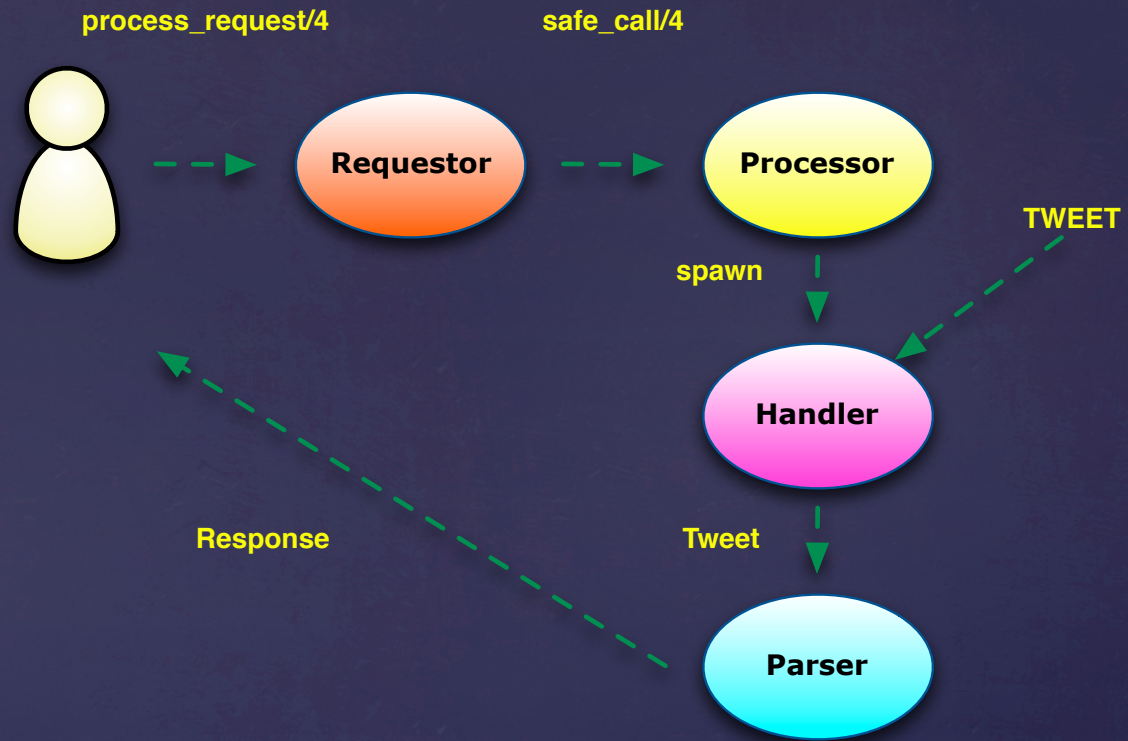

```
% Send the message(s) to a process  
{process, Pid}.
```

```
% Send the message(s) back to me  
{self, self}.
```

```
% Debug the message(s)  
{debug, self}.
```

```
% Invoke fun Fun/1 on the message  
{function, Fun}.
```

Targets



twitter1

& Inspired by :

https://github.com/ngerakines/erlang_twitter

twitterl

T - 48hrs



T - 40 hrs



T - 35 hrs



T - 33 hrs



T - 32 hrs



T - 31 hrs



T - 22 hrs



T - 20 hrs

Cabaña Las Lijas

SALIDA DE EMERGENCIA



T - 12 hrs



T - 10 hrs



T - 6 hrs



ROHIBOT

T - 50 minutes



T - 1 minute



Erymob

About Erymob The Team

Sign in

Erymob: Crowdfsource the Crowd.

Welcome to Erymob, a Twitter-based event aggregator. It collects tweets in real time and distributes them to those who have the best opportunity to attend. Flash mobs, local deals, activism - everyone can find something social.

Sign in

or

Learn more >

It's Magical!

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Nunc sit amet tellus nunc, sit amet congue

Fantastical!

Pellentesque metus mi, omare a aliquet congue, eleifend at libero. Pellentesque habitant morbi

Revolutionary!

Phasellus eget iaculis quam. In rh accumsan placerat, lorem tortor

⌘ Chicago BOSS is *not* for n00bs

Who knew?

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⌘ Implementing O-Auth is Teh Sux0r

Who knew?

- ⌘ Chicago BOSS is *not* for n00bs
- ⌘ Implementing O-Auth is Teh Sux0r
- ⌘ Strings \neq Binaries

Who knew?

- ⌘ Chicago BOSS is *not* for n00bs
- ⌘ Implementing O-Auth is Teh Sux0r
- ⌘ Strings \neq Binaries
- ⌘ if \neq if
- ⌘ Syntax is Easy, Semantics not so much
- ⌘ Immutable Variables \rightarrow Instant Karma

Who knew?