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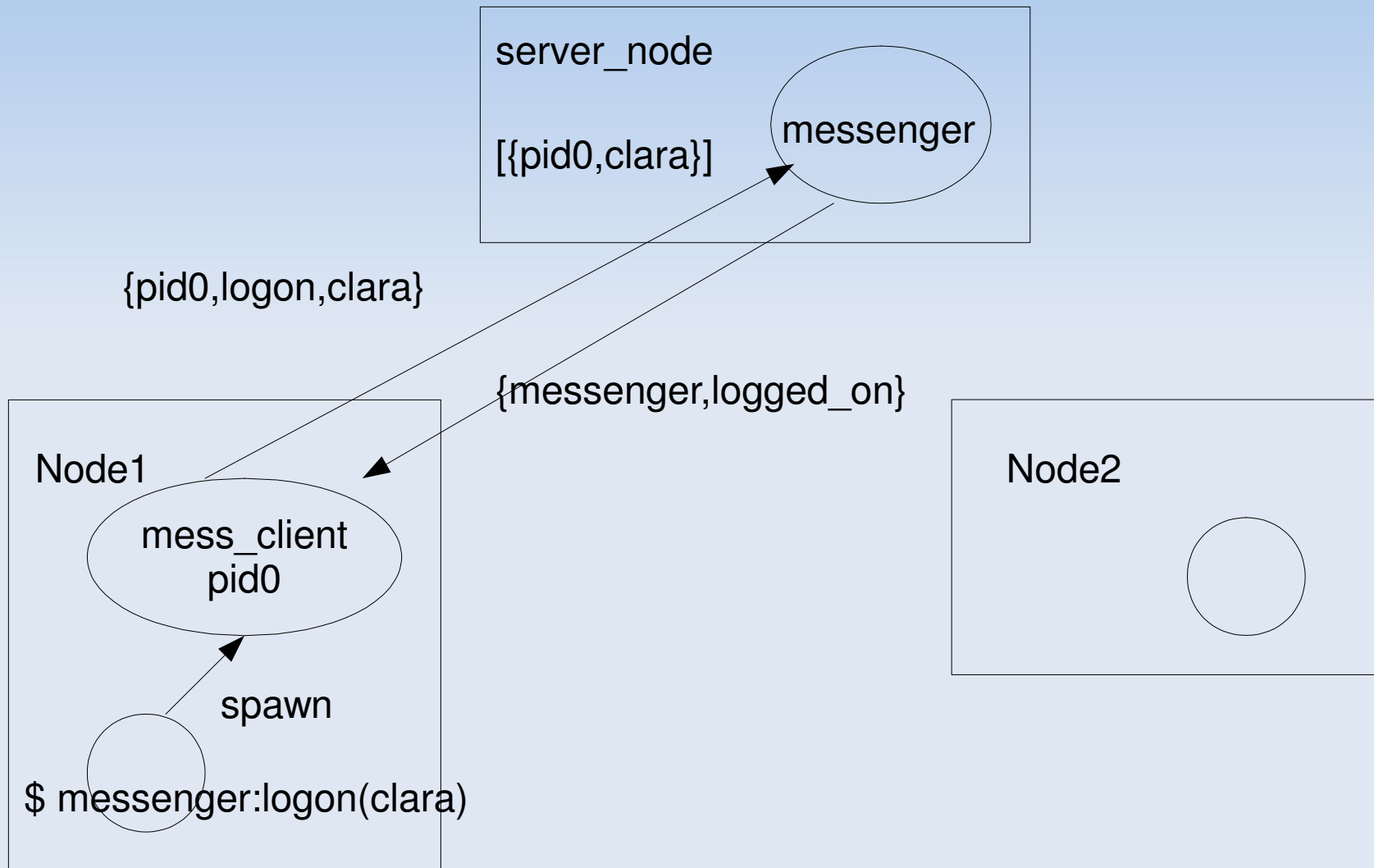
Download and Compile

- <https://babel.ls.fi.upm.es/trac/McErlang/>
- We assume:
 - Erlang is installed on your computer
 - the command `erl` for starting Erlang can be run directly without specifying a directory path
 - the examples assume that the directory `McErlang/scripts` is on your command path
- `$ svn checkout https://babel.ls.fi.upm.es/repos/McErlang/trunk McErlang`
- `$ cd McErlang`
- `$ make`

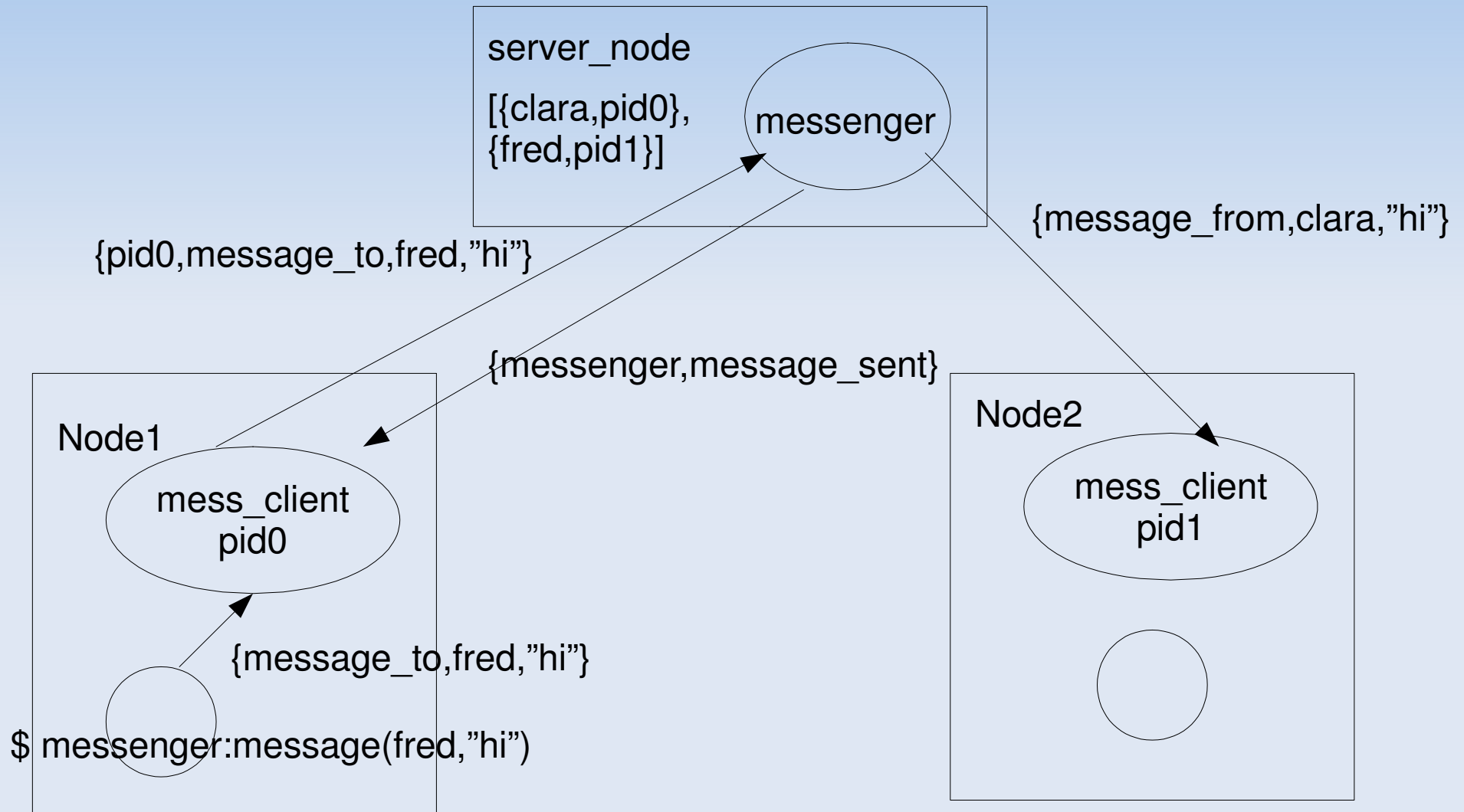
The Messenger example

- http://erlang.org/doc/getting_started/part_frame.html
- Users log in on different nodes and send simple messages to each other through a server (the messenger)
- A user may log on, send a message to another user and log off

Logging on



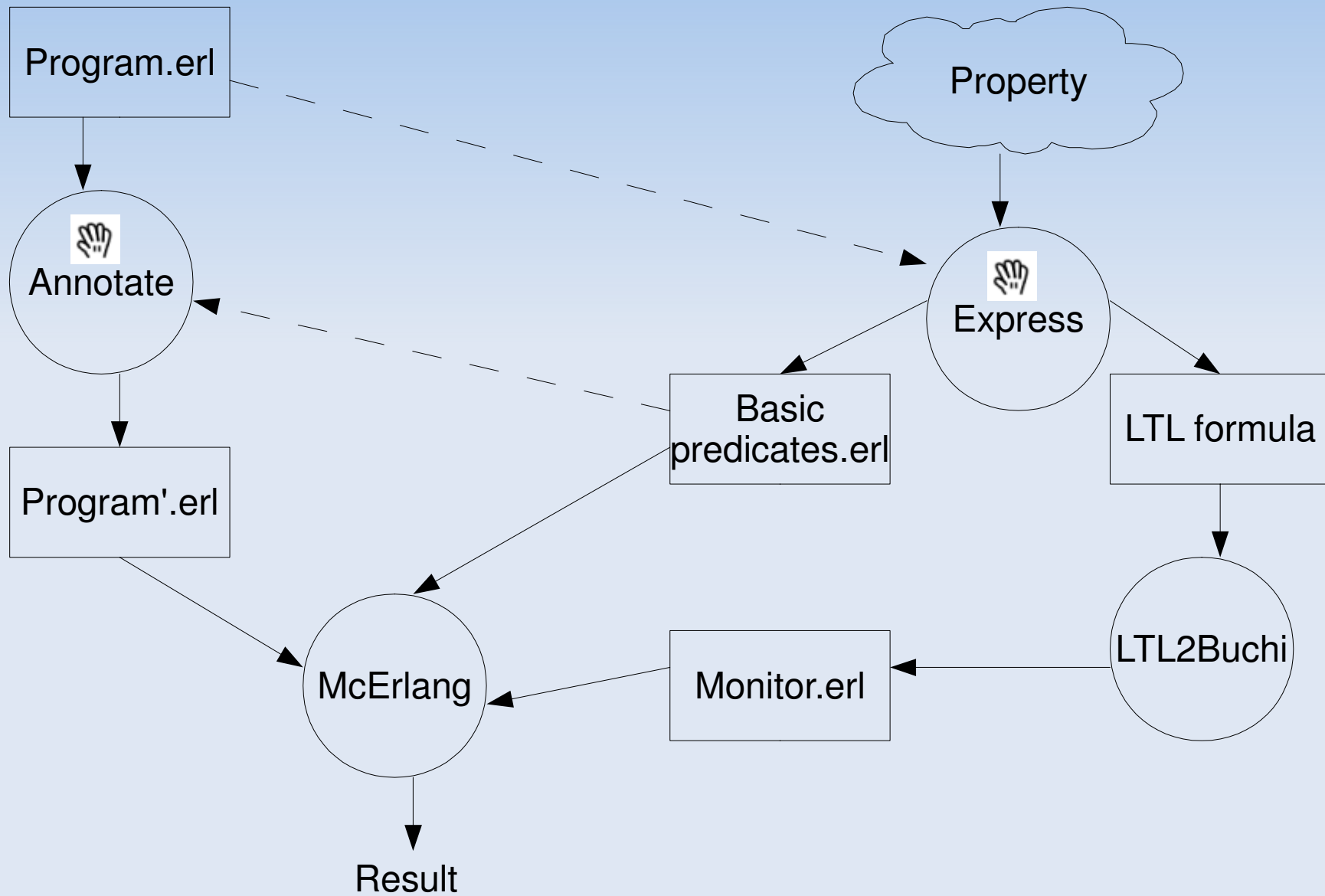
Sending a message



A property

“if clara does not send a message to fred until fred is logged on, then if clara sends a message to fred, then eventually fred will receive the message from clara”

Verification Schema



Compiling code in McErlang



- `$ cd examples/Simple_messenger`
- `$ make`
- `$ cd ebin`
- `$../../../../scripts/mcerl`

```
../../../../scripts/mcerl
```

```
Erlang (BEAM) emulator version 5.6.4 [source] [smp:2] [async-threads:0] [hipe] [kernel-poll:false]
```

```
Eshell V5.6.4 (abort with ^G)
```

```
1>
```


Correcting the property

Property: “if clara does not send a message to fred until fred is logged on, then if clara sends a message to fred, then eventually fred will receive the message from clara **or fred has logged off**”

More information

- <https://babel.ls.fi.upm.es/trac/McErlang/>
- User Manual