

```

#!/usr/bin/perl -sw -I../lib
use strict;
use IO::Pty::Script qw(chat DEFAULT_DEADLINE);
use threads;
5 use threads::shared;
use File::Basename;
use Term::ReadKey;
use Data::Dumper;
use List::Util qw(sum);
10 use constant DEFAULT_RDIR => '/tmp'; # Default remote directory

our($p, $d); # Inicializadas via -s switch
my $N = 10000; # Num intervals
my %script;
15 my $local_exe = './pi';
my $prompt = '[>#]';
my @result : shared;

$p = &read_pass unless (defined $p);
20 $d = DEFAULT_DEADLINE unless defined($d);

sub read_pass {
    print "Password: ";
    ReadMode('noecho');
25 $p = ReadLine(0);
    ReadMode('normal');
    print "\n";
    chomp($p);
    return $p;
30 }

sub write_result {
    my $self = shift;
    my $id = shift; # que si hay retornos de carro?
35 $result[$id] = $self->answer;
    "exit\n";
}

sub par_batch {
40 my $command = shift;
    my @machines = @{shift()};
    my $scripts = shift;

    my $lastworker = $#machines;
45 my $i;
    my @t;
    for $i (0..$lastworker) {
        $t[$i] = threads->new(
            \&chat,
50 @{$scripts->[$i]},
        )
    }
    my @result;
    for $i (0..$lastworker) {
55 $result[$i] = $t[$i]->join();
    }
}

my @machines = (
60 {
    host => 'beowulf',
    conn_cmd => 'ssh -l casiano',
    copy_cmd => 'scp',
    r_dir => '/home/casiano/',
65 r_user => 'casiano'
},
{
    host => 'beowulf',
    conn_cmd => 'ssh -l casiano',
70 copy_cmd => 'scp',
    r_dir => '/home/casiano/',
    r_user => 'casiano'
},
);
75

my $num_workers = @machines;

# Un script es un esqueleto que se instancia con la máquina
# y quizá con los parámetros?
80 # my @scripts = (
# {
#     command => copy_command
#     script => [...]
#     deadline => ...
# },
# ...
# );

my @scripts = map {
90 [
    command => 'ssh -l casiano beowulf',
    deadline => 5,
    defaultaction => sub { print $_[0] },

```

```
95     script => [  
        .*password:\s'    => "$p\n",  
        $prompt          => "/home/casiano/pi $_ $N $num_workers\n",  
        qr/\d+\.\d*/      => [ \&write_result, $_ ]  
    ]  
100 } 0..$#machines;  
  
    &par_batch($local_exe, \@machines, \@scripts);  
    local $" = "\n";  
    print "@{result}\nResult = ".sum(@result)." \n";  
105
```