NAME
>   rrdruby – About the RRD Ruby bindings

SYNOPSIS
```
require "RRD"
RRD.create(
    rrd,
    "--step", "300",
    "DS:a:GAUGE:600:U:U",
    "DS:b:GAUGE:600:U:U",
    "RRA:AVERAGE:0.5:1:300")
```

DESCRIPTION
>   The **rrdtool** functions are directly callable via the Ruby programming language. This wrapper implementation has been written from the scratch (without SWIG)

>   The API simply expects string parameters to the functions. Please refer to the other **rrdtool** documentation for functions and valid arguments.

EXAMPLE
```
$: << '/path/to/rrdtool/lib/ruby/1.8/i386-linux'
require "RRD"

name = "test"
rrd = "#{name}.rrd"
start = Time.now.to_i

RRD.create(
    rrd,
    "--start", "#{start - 1}",
    "--step", "300",
        "DS:a:GAUGE:600:U:U",
    "DS:b:GAUGE:600:U:U",
    "RRA:AVERAGE:0.5:1:300")
puts

puts "updating #{rrd}"
start.to_i.step(start.to_i + 300 * 300, 300) { |i|
    RRD.update(rrd, "#{i}:#{rand(100)}:#{Math.sin(i / 800) * 50 + 50}")
}
puts

puts "fetching data from #{rrd}"
(fstart, fend, data, step) = RRD.fetch(rrd, "--start", start.to_s, "--end",
        (start + 300 * 300).to_s, "AVERAGE")
puts "got #{data.length} data points from #{fstart} to #{fend}"
puts

puts "generating graph #{name}.png"
RRD.graph(
    "#{name}.png",
    "--title", " RubyRRD Demo",
    "--start", "#{start+3600}",
    "--end", "start + 1000 min",
    "--interlaced",
    "--imgformat", "PNG",
    "--width=450",
```

```
        "DEF:a=#{rrd}:a:AVERAGE",
        "DEF:b=#{rrd}:b:AVERAGE",
        "CDEF:line=TIME,2400,%,300,LT,a,UNKN,IF",
        "AREA:b#00b6e4:beta",
        "AREA:line#0022e9:alpha",
        "LINE3:line#ff0000")
 puts
```

If you use the **−−ruby−site−install** configure option you can drop the `$:` line since the RRDtool module will be found automatically.

If RRDtool runs into trouble, it will throw an exception which you might want to catch.

SEE ALSO
rrdcreate, rrdupdate, rrdgraph, rrddump, rrdfetch, rrdtune, rrdlast, rrdxport, rrdinfo

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