

FritzboxSID

Erstellen der SID einer AVM FritzBox, um verschiedene Operationen über Query (z.B. Neustart, IP-Wechsel) durchzuführen in Ruby

```
#!/usr/bin/env ruby
# -*- coding: UTF-8 -*-

require 'rubygems'
require 'digest/md5'
require 'net/http'

class FritzBox
  def initialize(ipfritz,key)
    @net = Net::HTTP.new(ipfritz)
    @dig = Digest::MD5.new
    @key = key
    @sid = nil
    @start = Time.now # for the 20 minutes timeout
  end

  def getSID
    if Time.now-@start > 1200 or @sid.nil?
      uri = "/login_sid.lua"
      xmlcont = @net.get(uri).body
      sid = xmlcont.scan(/<SID>(.)<\/SID>/).flatten.join

      if sid=="000000000000000000"
        challenge = xmlcont.scan(/<Challenge>(.)<\/Challenge>/).flatten.join
        md5 = @dig.hexdigest("#{challenge}-#{@key}".encode('utf-16le'))
        username = ''
        uri = "/login_sid.lua?username=%s&response=%s-%s" % [username,challenge,md5]
        xmlcont = @net.get(uri).body
        sid = xmlcont.scan(/<SID>(.)<\/SID>/).flatten.join
      end
      @sid = sid
    end
    @start = Time.now
  end

  def getMyIP
    getSID
    uri = "/internet/inetstat_monitor.lua?sid=%s" % [@sid]
    webcont = @net.get(uri).body
    myip = webcont.scan(/IP-Adresse: (.*)<.span>/).flatten.join
  end

  def ipreset
    getSID
    myoldip = getMyIP
    uri = "/internet/inetstat_monitor.lua?sid=%s&useajax=1&action=disconnect" % @sid
    webcont = @net.get(uri).body
    sleep 15
    puts "old IP: #{myoldip}"
  end
end
```

```
    puts "new IP: #{getMyIP}"
  end
end

if __FILE__==$0
  fb=FritzBox.new("192.168.1.1","secret")
  puts fb.getMyIP
end
```