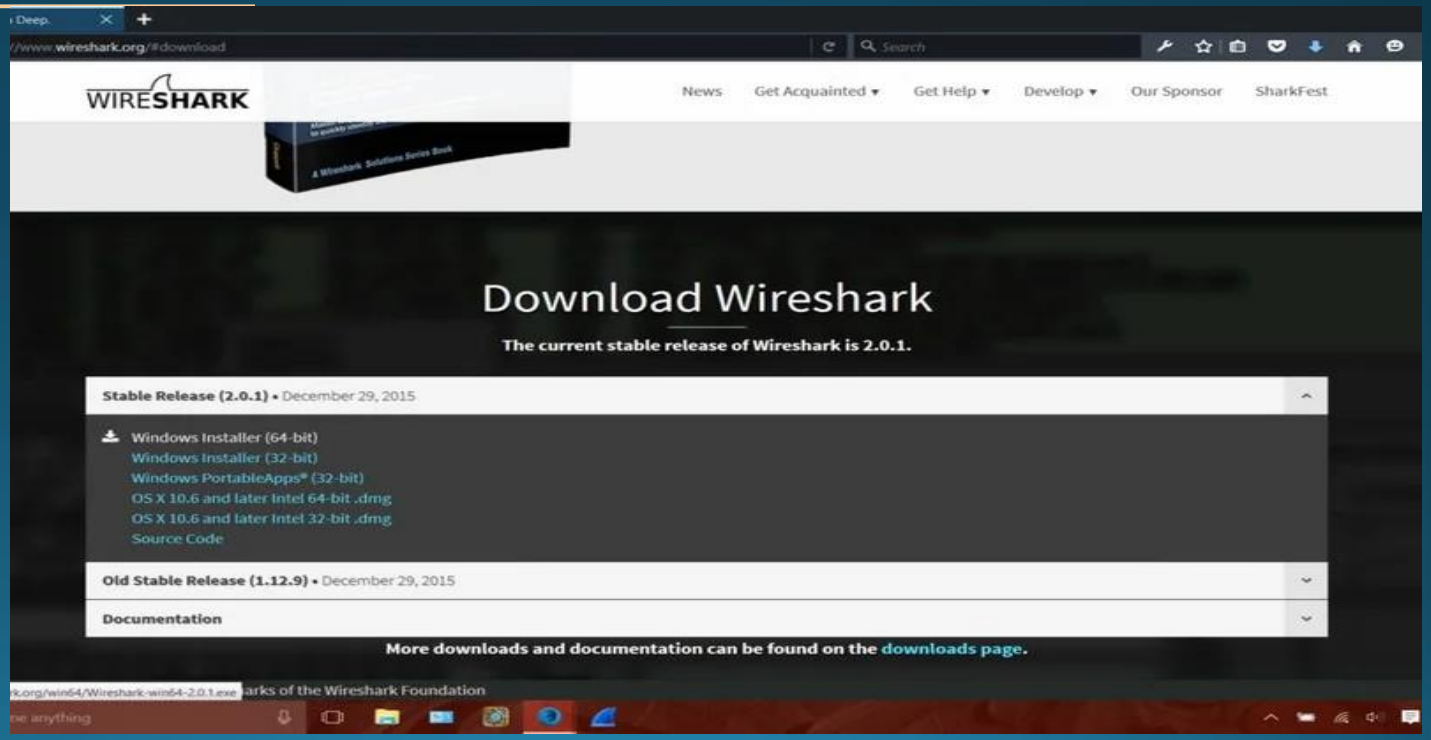
How to Find Passwords Using Wireshark

How to Find Passwords using Wireshark

Step 1: Downloading Wireshark to Your CPU

- The first step to learning how to use Wireshark to monitor HTTP and HTTPS traffic is to download it. Go to the link below and choose the 32-bit or 64-bit (Which ever one has the little white icon to the left of it) download for Windows:
- https://www.wireshark.org/#download

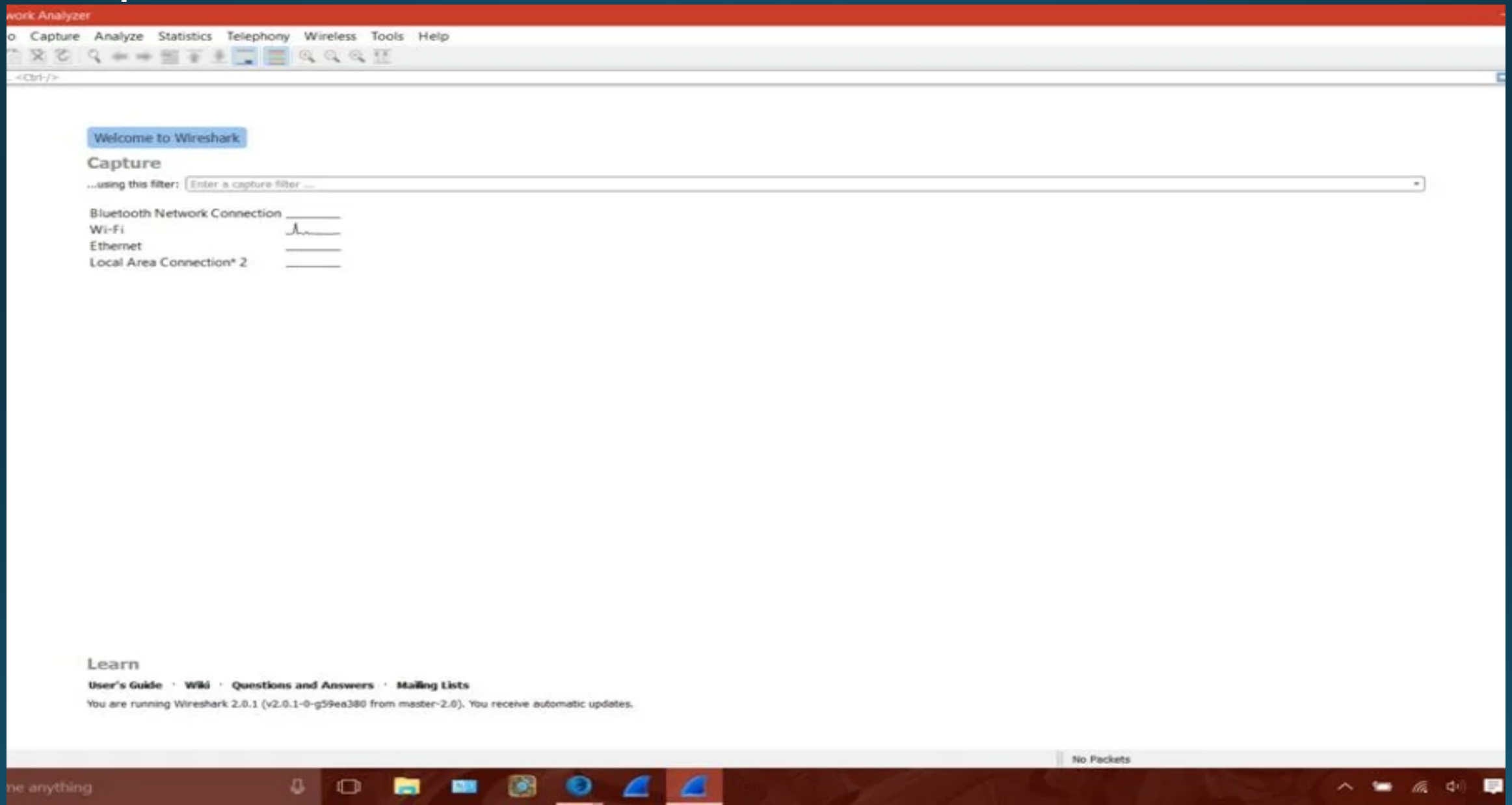


Step 2: Mac Download

Step 3: Getting to It

- The only passwords that you can see are ones that are not HTTPS packets. These HTTPS packets make up the majority of the packets that contain login information. However if you can manage to find a website that has little to no visitors I will now teach you how to locate the HTTP (Hyper Text Transfer Protocol) file that contains login information.

Step 4: How You Know a Website Uses HTTPS



Amazon.com Sign In

https://www.amazon.com/ap/signin?_encoding=UTF8&openid.assoc_handle=usflex&openid.claimed_id=http%3A%2F

amazon

Sign in

Email (phone for mobile accounts)

Password Forgot your password?

Sign in

New to Amazon?

Create an account

By signing in you are agreeing to our Conditions of Use and Sale and our Privacy Notice.

Conditions of Use Privacy Notice Help

https://www.amazon.com/gp/navigation/redirector.html/ref=sign-in-redirect/189-7493100-1402557?ie=UTF8&associationHandle=usflex&_f_=nav_ya_signin&gatingWeblabOn=1&pageType=Gateway&yshURL=https://www.amazon.com/gp/yourstore/home?ie=UTF8&ref_=nav_ya_signin

Sign in or Register | eBay

eBay, Inc. (US) https://signin.ebay.com/ws/eBayISAPI.dll?SignIn&ru=http%3A%2F%2Fpages.ebay.com%2Fhelp%2Faccou

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Email or username

Password

Sign in

Stay signed in

Forgot your password?

Using a public or shared device? Uncheck to protect your account. Learn more

- You cannot look at the information in HTTPS packets because some bright people found it useful to protect this information and this is a good thing. Major websites all have encrypted packets and it would be foolish to bother with them, especially if the only thing you have read is this how to. Above are some websites that use HTTPS and you know this because there is a little green lock and the website starts with HTTPS not HTTP.

Step 5: Finding a Password

iOS Gadget Hacks - Uncha...

ios.wonderhowto.com

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iOS Gadget Hacks

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YOU

To Subr

Login

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Or request an invitation via email...

Or

BUFFALO

••••••••••

Forgot Password?

Login

The 55 Coolest New iOS 9 Features You Didn't Know About

iPhone—No Jailbreak Required

iPod touch

highlights simple ps, and mods to help of your iOS devices. hone, iPad, and iPod orrow's unreleased

ntributors

JUSTIN MEYERS · BRYAN CROW · NELSON AGUILAR · ISAAC SAHAG · ERIC RAMSLEY · NEIL GONZALEZ · ELIEK HORTON · ERIKSON FRANK · FAISAL HUSSAIN · CRAIG HICKS

Hot Active Newest

9 KUDOS

This Trick Will Instantly Increase Performance on Your iPad, iPhone, or iPod touch

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iOS Gadget Hacks

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World Home | How-To | Inspiration | Forum | Creators

To Subr

YOU

Login

Login Now With Facebook

Or request an invitation via email...

Or

Could not login due to invalid user name or password.

BUFFALO

••••••••••

Forgot Password?

Login

This Trick Will Instantly Increase Performance on Your iPad, iPhone, or iPod touch

s highlights simple
os, and mods to help
of your iOS devices.
hone, iPad, and iPod
orrow's unreleased

ntributors

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NEIL GONZALEZ | ELIEK HORTON | ERIKSON FRANK | FAISAL HUSSAIN | CRAIG HICKS

Hot | Active | Newest

9 KUDOS

This Trick Will Instantly Increase Performance on Your iPad, iPhone, or iPod touch

- First one must identify an unprotected website (as I covered earlier) and make a logon attempt - either successful or unsuccessful. It is VERY IMPORTANT that you click the capture button in the upper left corner of wire shark and have it run while you make the logon attempt. In the second step we will follow this packet and track it down using wire shark.

Step 6: Finding a Password (Continued)

*Wi-Fi

File Edit View Go Capture Analyze Statistics Telephony Wireless Tools Help

http

No.	Time	Source	Destination	Protocol	Length	Info
15	3.…	192.168.1.103	8.26.65.101	HTTP	820	POST /ajax/getloginsignupform/?rt=json&rn=1453955643140401.3753530646116 HTTP/1.1 (application/x-www-form-urlencoded)
20	3.…	8.26.65.101	192.168.1.103	HTTP	556	HTTP/1.1 200 OK (text/html)
40	10.…	192.168.1.103	23.21.71.237	HTTP	661	GET /ping?h=wonderhowto.com&p=%2F&u=CIB_R1i-9F-CeZrxm&d=ios.wonderhowto.com&g=3214&g0=World%20Home%2CScience%20Tech%2CElectronics%2Cios%2Csoft…
47	10.…	23.21.71.237	192.168.1.103	HTTP	267	HTTP/1.1 200 OK (GIF89a) (GIF89a) (image/gif)
157	21.…	192.168.1.115	239.255.255.250	SSDP	326	NOTIFY * HTTP/1.1
158	21.…	192.168.1.115	239.255.255.250	SSDP	317	NOTIFY * HTTP/1.1
159	21.…	192.168.1.115	239.255.255.250	SSDP	391	NOTIFY * HTTP/1.1
170	24.…	192.168.1.103	8.26.65.101	HTTP	747	POST /ajax/loginformpost/?rt=json&rn=1453955664130529.5459283870458 HTTP/1.1 (application/x-www-form-urlencoded)
171	24.…	8.26.65.101	192.168.1.103	HTTP	1410	HTTP/1.1 200 OK (application/json)
175	25.…	192.168.1.103	23.21.71.237	HTTP	661	GET /ping?h=wonderhowto.com&p=%2F&u=CIB_R1i-9F-CeZrxm&d=ios.wonderhowto.com&g=3214&g0=World%20Home%2CScience%20Tech%2CElectronics%2Cios%2Csoft…
178	25.…	23.21.71.237	192.168.1.103	HTTP	267	HTTP/1.1 200 OK (GIF89a) (GIF89a) (image/gif)
184	26.…	192.168.1.103	23.21.71.237	HTTP	773	GET /ping?h=wonderhowto.com&p=%2F&u=CIB_R1i-9F-CeZrxm&d=ios.wonderhowto.com&g=3214&g0=World%20Home%2CScience%20Tech%2CElectronics%2Cios%2Csoft…
185	26.…	23.21.71.237	192.168.1.103	HTTP	267	HTTP/1.1 200 OK (GIF89a) (GIF89a) (image/gif)
244	40.…	192.168.1.103	23.21.71.237	HTTP	645	GET /ping?h=wonderhowto.com&p=%2F&u=CIB_R1i-9F-CeZrxm&d=ios.wonderhowto.com&g=3214&g0=World%20Home%2CScience%20Tech%2CElectronics%2Cios%2Csoft…
246	40.…	23.21.71.237	192.168.1.103	HTTP	267	HTTP/1.1 200 OK (GIF89a)
249	40.…	192.168.1.119	192.168.1.103	HTTP	299	HTTP/1.1 304 Not Modified
251	41.…	192.168.1.103	192.168.1.119	HTTP	155	GET /EventMgmt/EventTable?timeout=1200 HTTP/1.1

```
> Frame 15: 820 bytes on wire (6560 bits), 820 bytes captured (6560 bits) on interface 0
> Ethernet II, Src: IntelCor_df:48:e6 (80:86:f2:df:48:e6), Dst: Cisco-Li_1e:fb:f6 (58:6d:8f:1e:fb:f6)
> Internet Protocol Version 4, Src: 192.168.1.103, Dst: 8.26.65.101
> Transmission Control Protocol, Src Port: 52587 (52587), Dst Port: 80 (80), Seq: 2, Ack: 1, Len: 766
> Hypertext Transfer Protocol
> HTML Form URL Encoded: application/x-www-form-urlencoded

0000  58 6d 8f 1e fb f6 80 86  f2 df 48 e6 08 00 45 00   Xm...... ..H...E.
0010  03 26 13 50 40 00 80 06  d8 f3 c0 a8 01 67 08 1a   .&.P@... .....g..
0020  41 65 cd 6b 00 50 26 0a  a6 6e db 09 3e 93 50 18   Ae.k.P&. .n..>.P.
0030  fa f0 5e 1b 00 00 50 4f  53 54 20 2f 61 6a 61 78   ..^...PO ST /ajax
0040  2f 67 65 74 6c 6f 67 69  6e 73 69 67 6e 75 70 66   /getlogi nsignupf
0050  6f 72 6d 2f 3f 72 74 3d  6a 73 6f 6e 26 72 6e 3d   orm/?rt= json&rn=
0060  31 34 35 33 39 35 35 36  34 33 31 34 30 34 30 31   14539556 43140401
0070  2e 33 37 35 33 35 33 30  36 34 36 31 31 36 20 48   .3753530 646116 H
0080  54 54 50 2f 31 2e 31 0d  0a 48 6f 73 74 3a 20 69   TTP/1.1. .Host: i
```

Hypertext Transfer Protocol: Protocol Packets: 378 · Displayed: 17 (6.1%) Profile: Default

*Wi-Fi

File Edit View Go Capture Analyze Statistics Telephony Wireless Tools Help

http

No.	Time	Source	Destination	Protocol	Length	Info
15	3.…	192.168.1.103	8.26.65.101	HTTP	820	POST /ajax/getloginsignupform/?rt=json&rn=1453955643140401.3753530646116 HTTP/1.1 (application/x-www-form-urlencoded)
20	3.…	8.26.65.101	192.168.1.103	HTTP	556	HTTP/1.1 200 OK (text/html)
40	10.…	192.168.1.103	23.21.71.237	HTTP	661	GET /ping?h=wonderhowto.com&p=%2F&u=CIB_R1i-9F-CeZrxm&d=ios.wonderhowto.com&g=3214&g0=World%20Home%2CScience%20Tech%2CElectronics%2Cios%2Csoft…
47	10.…	23.21.71.237	192.168.1.103	HTTP	267	HTTP/1.1 200 OK (GIF89a) (GIF89a) (image/gif)
157	21.…	192.168.1.115	239.255.255.250	SSDP	326	NOTIFY * HTTP/1.1
158	21.…	192.168.1.115	239.255.255.250	SSDP	317	NOTIFY * HTTP/1.1
159	21.…	192.168.1.115	239.255.255.250	SSDP	391	NOTIFY * HTTP/1.1
170	24.…	192.168.1.103	8.26.65.101	HTTP	747	POST /ajax/logir 5459283870458 HTTP/1.1 (application/x-www-form-urlencoded)
171	24.…	8.26.65.101	192.168.1.103	HTTP	1410	HTTP/1.1 200 OK
175	25.…	192.168.1.103	23.21.71.237	HTTP	661	GET /ping?h=wonc d=ios.wonderhowto.com&g=3214&g0=World%20Home%2CScience%20Tech%2CElectronics%2Cios%2Csoft…
178	25.…	23.21.71.237	192.168.1.103	HTTP	267	HTTP/1.1 200 OK
184	26.…	192.168.1.103	23.21.71.237	HTTP	773	GET /ping?h=wonc d=ios.wonderhowto.com&g=3214&g0=World%20Home%2CScience%20Tech%2CElectronics%2Cios%2Csoft…
185	26.…	23.21.71.237	192.168.1.103	HTTP	267	HTTP/1.1 200 OK
244	40.…	192.168.1.103	23.21.71.237	HTTP	645	GET /ping?h=wonc d=ios.wonderhowto.com&g=3214&g0=World%20Home%2CScience%20Tech%2CElectronics%2Cios%2Csoft…
246	40.…	23.21.71.237	192.168.1.103	HTTP	267	HTTP/1.1 200 OK
249	40.…	192.168.1.119	192.168.1.103	HTTP	299	HTTP/1.1 304 Not
251	41.…	192.168.1.103	192.168.1.119	HTTP	155	GET /EventMgmt/E
307	53.…	192.168.1.1	239.255.255.250	SSDP	316	NOTIFY * HTTP/1.
312	55.…	192.168.1.103	23.21.71.237	HTTP	635	GET /ping?h=wonc d=ios.wonderhowto.com&g=3214&g0=World%20Home%2CScience%20Tech%2CElectronics%2Cios%2Csoft…
317	55.…	23.21.71.237	192.168.1.103	HTTP	267	HTTP/1.1 200 OK

- Mark/Unmark Packet Ctrl+M
- Ignore/Unignore Packet Ctrl+D
- Set/Unset Time Reference Ctrl+T
- Time Shift... Ctrl+Shift+T
- Packet Comment...
- Edit Resolved Name
- Apply as Filter
- Prepare a Filter
- Conversation Filter
- Colorize Conversation
- SCTP
- Follow
  - TCP Stream
  - UDP Stream
  - SSL Stream
- Copy
- Protocol Preferences
- Decode As...
- Show Packet in New Window

```
> Frame 170: 747 bytes on wire (5976 bits), 747 bytes captured (5976 bits) on interfa
> Ethernet II, Src: IntelCor_df:48:e6 (80:86:f2:df:48:e6), Dst: Cisco-Li_1e:fb:f6 (5E
> Internet Protocol Version 4, Src: 192.168.1.103, Dst: 8.26.65.101
> Transmission Control Protocol, Src Port: 52587 (52587), Dst Port: 80 (80), Seq: 768, Ack: 1963, Len: 693
> Hypertext Transfer Protocol
> HTML Form URL Encoded: application/x-www-form-urlencoded
```

```
0000  58 6d 8f 1e fb f6 80 86  f2 df 48 e6 08 00 45 00   Xm...... ..H...E.
0010  02 dd 13 55 40 00 80 06  d9 37 c0 a8 01 67 08 1a   ...U@... .7...g..
0020  41 65 cd 6b 00 50 26 0a  a9 6c db 09 46 3d 50 18   Ae.k.P&. .l..F=P.
0030  f8 fa a6 6c 00 00 50 4f  53 54 20 2f 61 6a 61 78   ...l..PO ST /ajax
0040  2f 6c 6f 67 69 6e 66 6f  72 6d 70 6f 73 74 2f 3f   /loginfo rmpost/?
0050  72 74 3d 6a 73 6f 6e 26  72 6e 3d 31 34 35 33 39   rt=json& rn=14539
0060  35 35 36 36 34 31 33 30  35 32 39 2e 35 34 35 39   55664130 529.5459
0070  32 38 33 38 37 30 34 35  38 20 48 54 54 50 2f 31   28387045 8 HTTP/1
0080  2e 31 0d 0a 48 6f 73 74  3a 20 69 6f 73 2e 77 6f   .1..Host : ios.wo
```

Packets: 343 · Displayed: 20 (5.8%) Profile: Default

Wireshark · Follow TCP Stream (tcp.stream eq 3) · wireshark_pcapng_A8A1DE72-B025-496B-BA71-CAB092F40D79_20160127203359_a00772

```
.POST /ajax/getloginsignupform/?rt=json&rn=1453955643140401.3753530646116 HTTP/1.1
Host: ios.wonderhowto.com
User-Agent: Mozilla/5.0 (Windows NT 10.0; WOW64; rv:45.0) Gecko/20100101 Firefox/45.0
Accept: */*
Accept-Language: en-US,en;q=0.5
Accept-Encoding: gzip, deflate
X-Request-Length: 745
Content-Type: application/x-www-form-urlencoded
X-Requested-With: XMLHttpRequest
Referer: http://ios.wonderhowto.com/
Content-Length: 44
Cookie: _ga=GA1.2.973813443.1453873221; _cb_ls=1; _chartbeat2=CIB_R1i-9F-CeZrxm.1453873228973.1453955575484.11; _gat=1;
_chartbeat5=1024,273,%2F,http%3A%2F%2Fios.wonderhowto.com%2F,D914CJDgH1_FCpJOfDDr4-jWDQdYJp,body%2Fdiv%5B5%5D%2Fdiv%5B1%5D%2Fa%5B1%5D,c
Connection: keep-alive

_=%09%09%09%09%09%09%09%09&rk=1339283094219&HTTP/1.1 200 OK
Cache-Control: private
Content-Type: text/html; charset=utf-8
Content-Encoding: gzip
Vary: Accept-Encoding
Server: Microsoft-IIS/8.5
X-AspNetMvc-Version: 4.0
X-AspNet-Version: 4.0.30319
X-Server-Name: APP2
X-UA-Compatible: IE=Edge,chrome=1
Date: Thu, 28 Jan 2016 04:33:47 GMT
Content-Length: 1635

...........X_o.6.._`..T..:.-9.......l..@........%.-n(RGRvr.|.#EK.e9............F......iJ..0..4.....a8
.../.ptR\.7C.3...V4...F..L...g...yN d... ...G..*\     ....J.0.yD.D.\G.......$..q....Xs.Y........r.Q......[..F.1........F
.B.rL....r.#Y..HZh...9....%.DS..-eL...W...+.3*#.X
b...E....?4....S...b.....F..\.Z........@.'.C.p
/2....a.LpM(G...L..X..0.....9.......H...jf#........H=....I.b"..htr.......h4.
...oO.O...F...^...M.V.     .,qcb....S..u..3.U..*.3........{`UB..:U.$....s..Y..g"/.j.}..
..........?.r?aB.[JL...O..xN.....0.y........!......I...........Qu.f:gN.Y.....R.L..u./...2........M.
%H.....S......v....pB<......P....n.Ak.U.{K.P:
...8....3a.v%..|..R..I.6.1.Z...[..?....v..  ['_3.X.......J4>\f..
T..*..C.t...'96....3.L..9}S....:.c.Dk1..z6.....Z.*..ze...].j......{.....O.S]..f.....ijS...6U.^.tUE.&.....sy..-...*.U.y.....
4r.....:_.z5....P;|..+..I........ft......UK.(....E.....'?+...{.R.8....a..........(....f.J.t/.Z....-.~..]....^4X..
...      .kr..X.So.ra2.y.x........i...s.=.D.W.v...R......z..V}i...U......\..v...Tqm...{[.....W...K.T.V?_?u.n.Ku.J....uJ...
{..DP........-..D.v.T
....<.m..}...uOg3.w8...V   ..Mebe%o..D]J.U....9.kh.'.7.?...'...X...Hb.y......,.>g.'.v..t@]T..
.....h.:..o.      .....h:{r.r....%.0...SST.....N.6:.F ...B.WS.%c..-...C.Ui.+..
```

Packet 15. 3 client pkt(s), 3 server pkt(s), 3 turn(s). Click to select.

Entire conversation (4778 bytes) | Show data as ASCII | Stream 3

Find: | Find Next

TP/1.1 (application/x-www-form-urlencoded)

1 (application/x-www-form-urlencoded)

Packets: 358 · Displayed: 22 (6.1%) | Profile: Default

Wireshark · Follow TCP Stream (tcp.stream eq 3) · wireshark_pcapng_A8A1DE72-B025-496B-BA71-CAB092F40D79_20160127203359_a00772

```
..!{.1#..{..r.
....^{..
......&.j/J.V|7.(..vF..Ir.z.....7..hE...(L....~......E..?R..W..N.
.%.Q...k..?.%]........k.>!vk.I...;.o.02GZ{...[....
^..j.}...`#UC.{A.hr..!8.......>t....!....ookD~....a..B.z.x..vv....q.[m...|...6.k..n.3..:C...T8..qt....AN.6....
+~..A.....>...I..#M.v<.v&M.&...........Ob..W.wah...H...4.m.}66}.......88.m.G8.I.z.11...4rg.9".7..Et/....POST /ajax/loginformpost/?
rt=json&rn=1453955664130529.5459283870458 HTTP/1.1
Host: ios.wonderhowto.com
User-Agent: Mozilla/5.0 (Windows NT 10.0; WOW64; rv:45.0) Gecko/20100101 Firefox/45.0
Accept: */*
Accept-Language: en-US,en;q=0.5
Accept-Encoding: gzip, deflate
X-Request-Length: 653
Content-Type: application/x-www-form-urlencoded
X-Requested-With: XMLHttpRequest
Referer: http://ios.wonderhowto.com/
Content-Length: 112
Cookie: _ga=GA1.2.973813443.1453873221; _cb_ls=1; _chartbeat2=CIB_R1i-9F-CeZrxm.1453873228973.1453955575484.11; _gat=1
Connection: keep-alive

_=%09%09%09%09%09%09%09%09&rk=1786154589251&Username=BUFFALO&Password=BUFFALO123&X-Requested-With=XMLHttpRequestHTTP/1.1 200 OK
Cache-Control: private
Content-Type: application/json; charset=utf-8
Content-Encoding: gzip
Vary: Accept-Encoding
Server: Microsoft-IIS/8.5
X-AspNetMvc-Version: 4.0
X-AspNet-Version: 4.0.30319
Set-Cookie: _ga=; domain=.wonderhowto.com; expires=Wed, 28-Jan-2015 04:34:47 GMT; path=/; HttpOnly
Set-Cookie: _cb_ls=; domain=.wonderhowto.com; expires=Wed, 28-Jan-2015 04:34:47 GMT; path=/; HttpOnly
Set-Cookie: _chartbeat2=; domain=.wonderhowto.com; expires=Wed, 28-Jan-2015 04:34:47 GMT; path=/; HttpOnly
Set-Cookie: _gat=; domain=.wonderhowto.com; expires=Wed, 28-Jan-2015 04:34:47 GMT; path=/; HttpOnly
X-Server-Name: APP5
X-UA-Compatible: IE=Edge,chrome=1
Date: Thu, 28 Jan 2016 04:34:46 GMT
Content-Length: 611

.............0.0....+...&...E.
.>!1M.-/n|4F...g
C.....I)..4.R.......9.
V+i!YJ'....1.$....-<b.LJ........y....r.Ls.$R...        ........,>        ...3.....Y.%....Kw...Z!W.{f..>fm.`..bva......vD.}
f..tQ.O...h1....tR,......8_.'.6.H...gE.`.J..*h....q.....3.{..z.e\..VI..V[T.J5o5\&........*(.5....!{..3.@........}....X.......H....
0......J..C$m.(C...U.M..........|..L.O.;..Y.!<<d.9...Ge.64....#...w.
```

Packet 170. 3 client pkt(s), 3 server pkt(s), 3 turn(s). Click to select.

Entire conversation (4778 bytes) | Show data as ASCII | Stream 3

Find: | Find Next

Expression...

1 (application/x-www-form-urlencoded)

Packets: 425 · Displayed: 28 (6.6%) | Profile: Default

THANKS