How You Can Buy AT&T, T-Mobile, and Sprint Real-Time Location Data on the Black Market

Joseph Cox, DEF CON 27
“There is a new bail bond database company that is geo tracking people. People are reselling to the wrong people. Call me [REDACTED]”
Id rather explain it telephonically. I know a ton about the subject and the industry. Many peoples rights are being violated.
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We’d like to test the ping— if I give you one of our own US numbers, would that work to test?
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If you are paying the 300 sure
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We’d like to test the ping — if I give you one of our own US numbers, would that work to test?

If you are paying the 300 sure

So the number is [REDACTED]. When do you think it will be doable?

Ok let me figure this out
You know more about location data, or anything else you think should be published?

Signal: +44 20 8133 5190

Wickr: josephcox

Jabber: jfcox@jabber.ccc.de

Email: joseph.cox@vice.com
• How our source bought that location data
• How our source bought that location data

• The supply chain of location data, and the different roles companies play in it
• How our source bought that location data

• The supply chain of location data, and the different roles companies play in it

• Leaked documents which show the scale of this location data market—it’s not a one-off
• How our source bought that location data

• The supply chain of location data, and the different roles companies play in it

• Leaked documents which show the scale of this location data market—it’s not a one-off

• How people are still getting location data out of the main telecoms through different means, and how that black market trade works
• Cell tower data

• Few blocks +
• Assisted GPS (A-GPS)
• Metres
• Where inside a building
How the hell did he do that???
Carriers
Carriers

‘Location Aggregators’
Carriers

‘Location Aggregators’

Data Brokers
Carriers

‘Location Aggregators’

Data Brokers

End User Clients
Solutions - Consent

• Remove the consent requirement of stating that information is being released by the "carrier".
• Instead, allow more flexible language, such as:
  - "You authorize the bank and its service providers to use your mobile account for verifying your identity and protecting you from fraud."

• Make the release of carrier data opt-out, rather than opt-in, when it is being used to prevent fraud and identity theft.

• Create a national registry for consumers to opt-in to allow their mobile information to be used for fraud prevention purposes.
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**VERIFY A LOCATION**

Mobile Device Verify can also confirm the location of a device based on a submitted number, returning helpful location information including:

- Verification of submitted location
- Current/last geolocation of the device with a timestamp
- Geolocation latitude and longitude coordinates
- Estimated location accuracy given available towers for triangulation
- Proximity of current location to submitted location

**VERIFY AND MONITOR - BOTH ACCOUNT AND LOCATION**

Mobile Device Verify also offers a powerful monitoring feature whereby the account and location information can be verified, and you can set up monitoring with control over the weeks, days and even hours that location on a device is checked as well as the start and end dates of monitoring. On-demand reporting is available throughout the duration of a monitoring period.

<table>
<thead>
<tr>
<th>Identity Verification</th>
<th>Tier 1</th>
<th>Tier 2</th>
<th>Tier 3</th>
<th>Tier 4</th>
<th>Tier 5</th>
<th>Tier 6</th>
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<tbody>
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<td>$3.56</td>
<td>$3.32</td>
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<td>$12.95</td>
<td>$11.66</td>
<td>$10.36</td>
<td>$9.32</td>
<td>$8.68</td>
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<tr>
<td>- Mobile Device Verification Report</td>
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<td></td>
<td></td>
<td>Included with Monitoring</td>
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* All items are governed by FCRA guidelines. Charges are assessed for inquiries returning a “Hit” and “No Hit” result for all verification products.
1 Verifies the submitted information against the mobile carrier billing account information.
2 Verifies the submitted information against the mobile carrier billing account information & attempts to identify the mobile device location.
3 Verifies the submitted information against the mobile carrier billing account information & attempts to identify the mobile device location with subsequent location monitoring.

2. User’s intended use of the above service(s) is: ____________________________.
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Motor Vehicle Sales
Solutions for decisioning, fraud detection and collections, all in one place.

Property Management
Know who you’re leasing to, before you sign a contract.

A complete suite for used car, buy here-pay companies.

MicroBilt provides a complete set of tenant screening and fraud detection tools for landlords and property management companies.
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T-Mobile

Zumigo

microbilt

BAIL INTEGRITY SOLUTIONS

MY SOURCE

MOTHERBOARD
Welcome to CerCareOne

Thank you for visiting our site, however, it is currently under construction.
Welcome to CerCareOne

Thank you for visiting our site, however, it is currently under construction.

Email Address: [blank]
Password: [blank]

Login

Invalid login information.

Remember my email address.
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<td>562</td>
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<td>6</td>
<td>Found</td>
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e. The subscriber agrees to use their best efforts to safeguard their username and password and may be prompted periodically to change the password being used.
f. The subscriber is aware of and agrees to supply to Cercareone.com a maximum of two (2) IP addresses from which access to Cercareone.com will be limited to further ensure privacy and limited access & attests that said IP addresses belong to the subscriber.
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## Administration

- [Accounts](#)
- [Reports](#)
- [Plans](#)
- [Search](#)

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**Billing history for** [Name]@gmail.com

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To update the map please use the Update Location link. Do not refresh your browser.

Number: [Redacted]
Address: 6309 I-30, Greenville, TX 75402, USA
Lat/Long: 33.104714,-96.103163 r134
Location Technology: A-GPS
Time: 2017-05-30 11:14:23 pm EST

Update Location
Bing Map
Back to Account Page
Pay per Ping balance: $226.00
Can’t Find Your Cell Phone?
Can’t Find Your Loved One?
WE CAN HELP!
Instantly Locate Defendant Cell Phone

- All major carriers - Verizon, AT&T, Sprint & T-Mobile
- Tower triangulation and GPS (if available)
- See location on Google Maps

Only $7.50
No response-no charge

ORDER NOW
Instantly Locate Defendant Cell Phone

- All major carriers (Verizon, AT&T, Sprint & T-Mobile)
- Tower triangulation and GPS (if available)
- See location on Google Maps

Only $7.50
No response-no charge

ORDER NOW
AT&T to Stop Selling Location Data to Third Parties After Motherboard Investigation

After Motherboard found that AT&T, T-Mobile, and Sprint were selling their customers’ phone location data ultimately to bounty hunters, AT&T has decided to stop service for all location aggregators, an essential part of the data supply chain.

By Joseph Cox

Sprint to Stop Selling Location Data to Third Parties After Motherboard Investigation

After AT&T and T-Mobile said they would stop selling their customers’ phone location data to third parties, Sprint followed suit. A Motherboard investigation found all three telcos selling data that ultimately ended up in the hands of bounty hunters.

By Joseph Cox
But wait, that’s not the end...
Carriers
You know more about location data, or anything else you think should be published?

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Email: joseph.cox@vice.com