

SPECIAL FEATURE:

- SUDO
- SUDOPAY

OpenELEC

January Credit Reports



**TOUCHPOINT**  
INTERNATIONAL DEVELOPMENT GROUP, INC

A Bi-Monthly Snapshot into Emerging Threats and Trends

# Digital Update



current topics >>>

In the News:

- [More Than One BILLION Yahoo Accounts Hacked](#)  
- Krebs on Security
- [CyanogenMod is Dead: Successor is LineageOS](#)  
- Lifehacker Security
- [Amazon's "Alexa" Being Question in Murder Investigation](#)  
- Ars Technica
- [Critical Zero-Days Against Mainstream Linux Desktops Fedora and Ubuntu](#)  
- Ars Technica
- [Your Mobile Number: A Ten-Digit Code to Your Private Life](#)  
- New York Times

## Anonyme's Sudo App *All-in-One Identity Management*

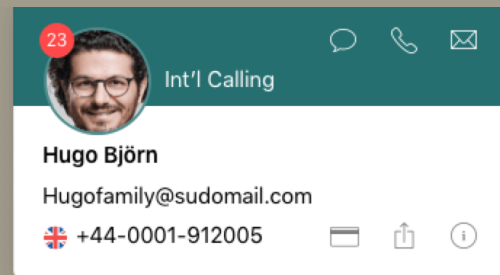
In past issues we have frequently written about phone number and email masking solutions. We believe that your phone number is an important identifier, and that protecting it is an equally important part of an effective identity management strategy. Sudo from Anonyme Labs is a relative newcomer to this field, but one that offers an extremely impressive capability. The application (which is currently only available on iOS) allows the user to create up to nine "Sudos" (or pseudonymous identities), each with its own phone number and email address.

Upon installing the application you can begin creating your Sudos. You are prompted to create a name to assign to each one. Next, you select an email address and create a phone number which can be a US, Canada, or UK number. You can now give that number out and it can be used for incoming or outgoing calls and SMS messaging. We have tested Sudo thoroughly and it is one of the best voice-over IP (VoIP) apps we have seen. Call quality and stability is outstanding and because this is a pure VoIP app, calls can be placed on Wi-Fi without the need for cellular coverage.

The app also features organic end-to-end encryption utilizing a 2048-bit RSA key pair. Text messages exchanged between Sudo numbers are encrypted, as are emails between "@sudomail.com" addresses. Though we don't see this as a replacement for Signal or ProtonMail, the app offers expiring messages and the ability to delete text messages on demand. There are a number of small features that add up to make this app really usable. All of your texts, calls, and emails to any give Sudo are accessible from an inbox in that Sudo ONLY. Calls and messages in one Sudo don't cross-contaminate into other Sudos. You can create contact lists for individual Sudos, as well. When you have an incoming call to a Sudo number, the app shows you what Sudo is being called so you know who you need to answer as. The small touches like this tell us that this app has been well thought-out.

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# Anonyme's Sudo

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Having nine separate identities may seem like overkill but we really like it. This allows you to compartment your life between work, family, and other social obligations. How you use Sudo is only limited by your imagination, but there are some possible uses:

- **Retail Loyalty Cards:** have one Sudo that is used for your grocery store discount cards.
- **Disinformation:** Have multiple Sudos with your real name but different phone numbers and email addresses. Use these in tandem with fictitious home addresses to make your true physical address more difficult to locate.
- **Protect Your Real Number:** The most important reason to setup up Sudos is to protect your real phone number. We also recommend setting one up as a replacement for your SIM-card

phone number.

You also have the ability to give each Sudo its own credit card through the Sudo Pay app which will be discussed below. Though other solutions offer all of these functions we have yet to see one that does so in an all-in-one platform. Sudo is free and is currently available only for iOS devices but we are assured that Android and desktop applications are coming soon.

We admit some initial skepticism about this app. It seems to offer a lot of features but doesn't cost anything. So we read the privacy policy and still not satisfied, we reached out to Sudo. Through a lengthy conversation we learned how Sudo plans to monetize through premium features that should be available soon. We were also reassured that Sudo or Anonyme doesn't share or sell any of your personal data. For more information visit <https://sudoapp.com/>.



## Upcoming Events:

### Law Enforcement Intelligence Units

May 1-5 2017, Bloomington, MN

### National Technical Investigators' Association Annual Training Conference

July 12-23 2017, Tampa, FL

### Associated Locksmiths of America Expo

June 16-22 2017, Rosemont, IL

## The easy button >>>



# SudoPay

## Private Payments for Your Sudos

Making Sudo even more effective is another app from Anonyme Labs called SudoPay. SudoPay is a masked purchasing application that allows you to create credit cards much like Blur, which we've written about in the past. Creating a SudoPay card is easy. Tap the "Create Card" icon. Choose the amount to be placed on the card. Next, assign a name and billing address to the card. If you don't have a billing address, you can use Sudo's address which is in Salt Lake City, UT. Once the card has been created you can use it like any other virtual credit card.

There is a crucial difference in how SudoPay bills your real credit card. Instead of placing a charge directly on the card, SudoPay draws funds from your Apple Pay account. This puts another link in the chain and actually makes SudoPay cards more private. SudoPay sees the transaction with the merchant or vender, but they don't know that it was you who made the purchase. This is because they are not paid directly by you. Instead, SudoPay is reimbursed by Apple after Apple has charged your credit card. This creates a really effective private purchasing option that we really like. As we mentioned earlier, each of our Sudos has its own corresponding credit card.

The SudoPay app is free but there is a charge for each credit card you create. This charge is small percentage of the card's overall amount. Like Sudo, SudoPay is currently only available on iOS devices but more platforms are being developed and should be available soon. For more information on SudoPay visit <https://sudopay.com/>

OpenELEC is a jeOS (just enough operating system) Linux distro built from scratch as a platform to turn your computer into a KodiTV media center. The concept of a jeOS is to strip the OS down to a bare minimum and use all the system resources to run one application efficiently and effectively. This only works well in certain situations and in the case of OpenELEC, it works very well. OpenELEC dedicates all its resources to running the application KodiTV, a media center app that supports streaming and local content viewing. KodiTV is normally ran as a standalone app, but is integrated as the main part of the OS in the case of OpenELEC.

OpenELEC works best when ran on a RaspberryPi, plugged into the back of any TV. You can then plug in a wireless keyboard or use Bluetooth to connect to it to choose what to watch across various platforms. If you have a media server or a laptop sharing music, videos or photos, Kodi can connect and stream from the server and you can enjoy your content on the big screen. There are also many repositories hosted on the internet that you can connect and get add-ons and media for free. We advise you exercise caution as always, when downloading content from the internet. It should also be good to note that it wouldn't be such a bad idea to segregate this device from the rest of your network, such as putting it on a guest network or putting it on its own VLAN.

**\* Due to the nature of KodiTV, it is possible to stream movies and TV shows for free, we advise you to follow the laws in your region/state/country concerning streaming. \***

OpenELEC is completely free and open source. To download it, go to <https://tpidg.link/openelec>. For additional info or questions, contact [admin@tpidg.us](mailto:admin@tpidg.us)



coming soon >>>

*In Future Issues...*

***Brave: Cross-Platform Browser***

***EFF's Privacy Badger***

***Physical Security with Photo Trap***

***Turtl Collaboration App***

## PRIVACY REMINDER: CREDIT REPORTS

It's January, which means it's time to order your annual credit report. Your free annual credit report can let you know if credit has been issued in your name. If you have a credit freeze in place as we recommend in our Identity Management class it is very unlikely that you have been the victim of identity theft, but it's still worth checking your credit report.

You get one free credit report each year from each of the three credit reporting bureaus: Equifax, Experian, and Transunion. You can order all three reports at one time. We recommend spacing them out and ordering one every fourth months, however. This gives you some visibility on your credit throughout the year so if something goes wrong you know about it as soon as possible.

This month you should order your report from Equifax. To order your free credit report visit: <https://www.annualcreditreport.com/index.action>.

This is the only site that is authorized by the federal government and the only one you should ever provide information to.

You should also order credit reports for your spouse and minor children. Pay special attention to the following:

- **Inquiries:** occasions when your credit has been queried.
- **Open Accounts:** the lines of credit that you currently have open.
- **Addresses:** the physical and mailing addresses associated with your lines of credit.

If you find something that doesn't make sense in one of these areas you may have been the victim of identity theft and should investigate further.