

Knights, Treasures and security illusions

Chevaliers, trésors et illusions de sécurité



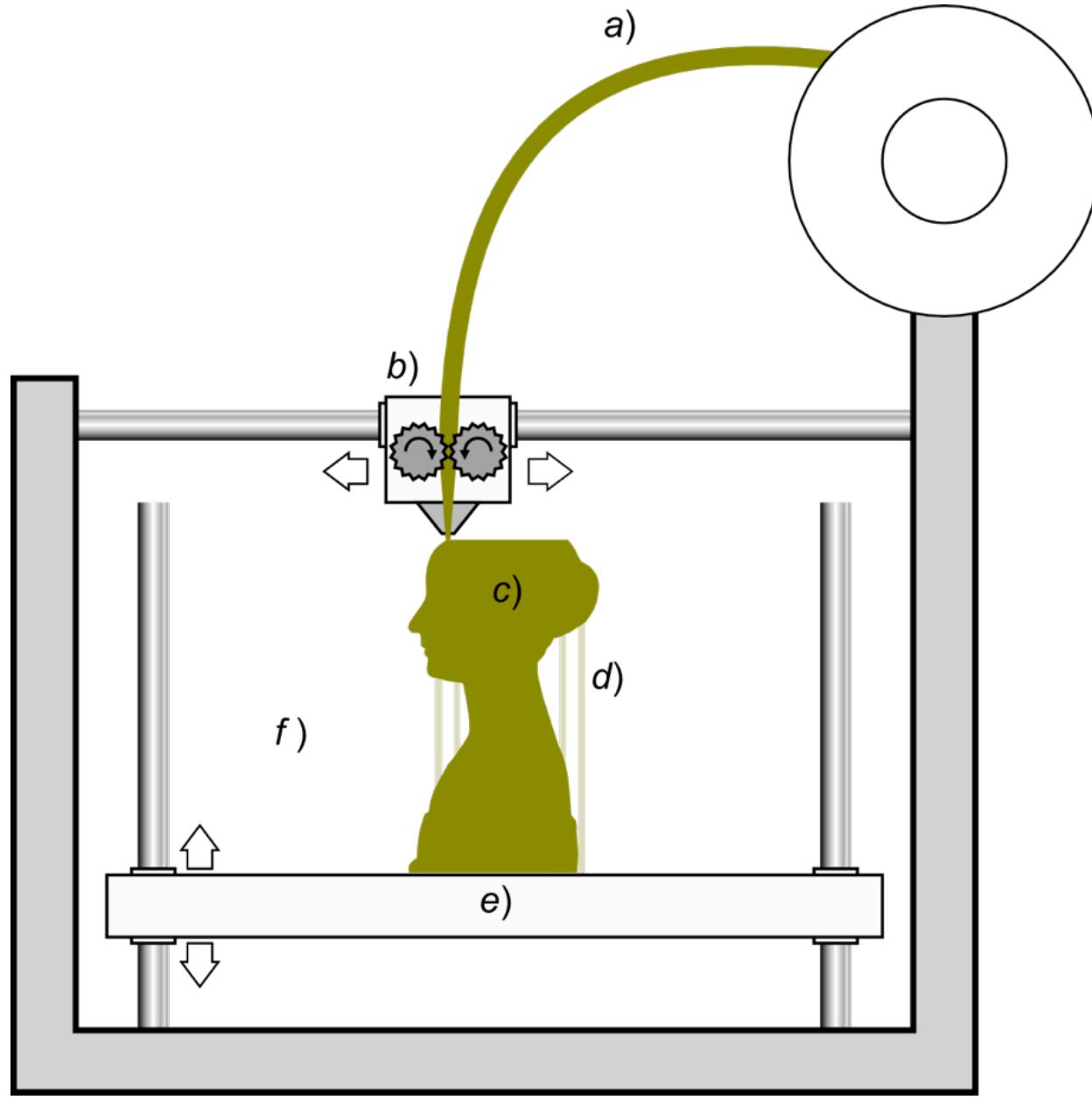
Hack4Kids@Deloitte

**ie, « How I took a Treasure
with a 3D Printer »**

**cqfd, « Comment j'ai capturé un
trésor avec une imprimante 3D »**

Petite Introduction

Light Introduction



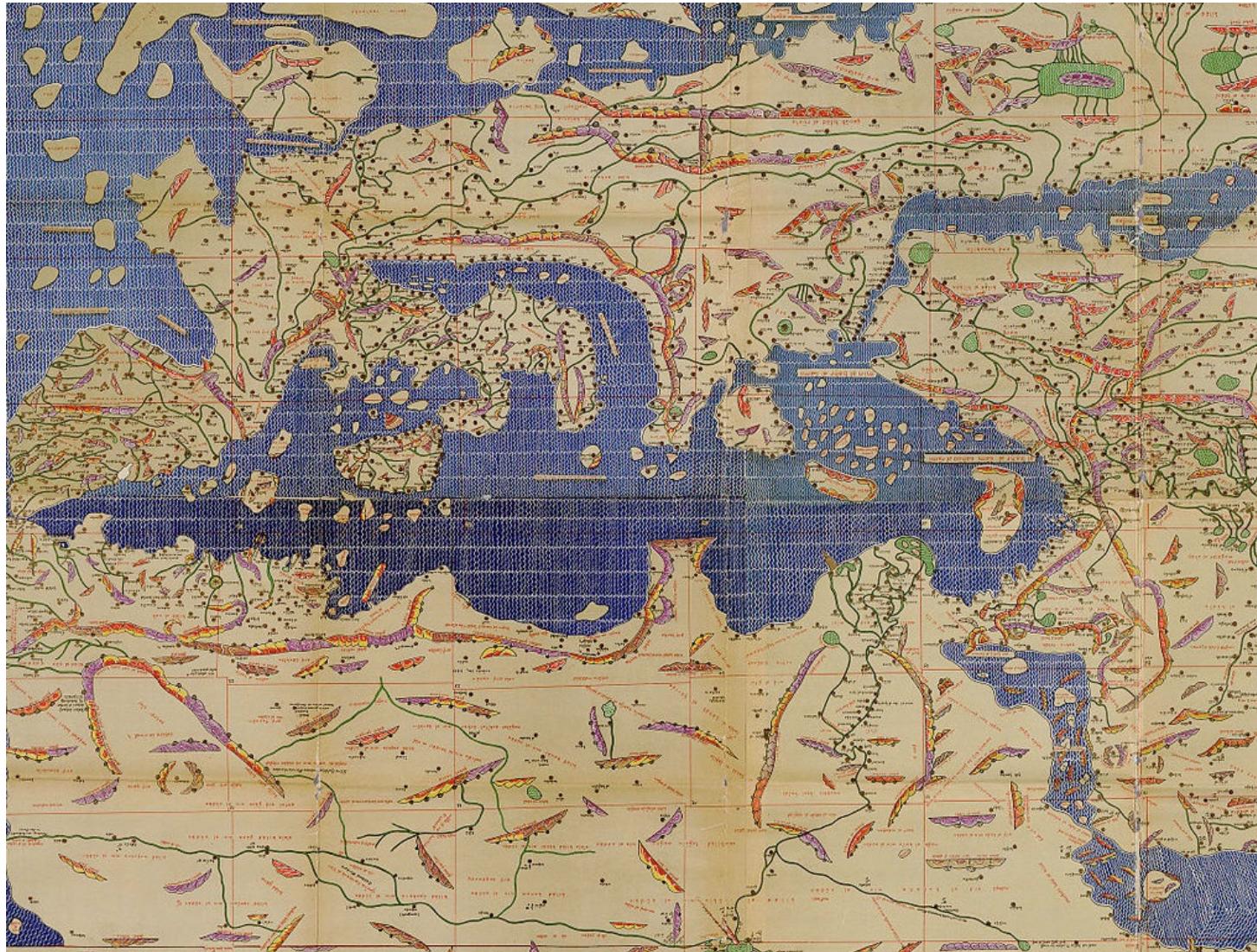
Impression 3D? / 3D Printing?

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Once upon a time
Il était une fois



Deep within a lost kingdom Aux confins d'un royaume perdu

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Question soon!

A Castle / Un château

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Q: Why build a Castle?

**Q: Pourquoi construire
un château?**

A: Protect a Treasure

A: Protéger un trésor



**That treasure was
very valuable**

**Ce trésor avait une
valeur énorme**



Everyone wanted it
Tout le monde le voulait



But the Castle was untakable
Mais le château était imprenable



**And the rare few times where ennemis
entered the castle**

**Et les rares fois où les ennemis entrèrent
dans le chateau**



They couldn't find the treasure
Ils ne purent trouver le trésor



**Because there was a secret
Parce qu'il y avait un secret**



In the mountain, a passage

Dans la montagne, un passage

**Q: Why build a secret
passage?**

**Q: Pourquoi construire
un passage secret?**

**A: Because that's the
idea ☺**

**A: Parce que c'est
l'idée ☺**



But one day, the secret got broken
Mais un jour, le secret fut cassé



So ennemis gathered again Alors les ennemis se rassemblerent de nouveau

An attack... and the
treasure
disappeared

Une attaque... et le
trésor disparu

The END / FIN

**Fast forward
600 years**

**Avance rapide
600 ans**

Your treasures are
locked safe

Vos trésors sont
en sécurité sous
clefs

TSA



TSA



TSA

Travel Sentry - How It Works

www.travelsentry.org/index.php?option=com_content&view=article&id=47&Itemid=53&lang=en

LOCK. PROTECT. RELAX.

Lock - Look for the Red Diamond

Locks are as easy as 1, 2, 3.

Protect

Did you know?

- International treaties require that all luggage be security screened before being loaded on passenger airplanes.
- Baggage security inspections often requires luggage to be opened to complete the inspection.
- If your luggage is locked with Travel Sentry Approved locks the security officers can open it for inspection and relock it.
- In the USA and some other countries if your luggage does not use a TSA accepted lock the security officers can and will break it open for inspection.
- Luggage that uses Travel Sentry Approved TSA Locks can be inspected faster and not delayed to break open the locks.
- You can use your Travel Sentry Approved locks and luggage anywhere in the world.
- There are over 250 million Travel Sentry Approved locks and luggage in use today and that this number increases every second.
- Locking your luggage protects your possessions from theft, tampering and misuse by smugglers.
- Many models of luggage are designed to stay closed during handling ONLY if they are locked.
- You lock your house. You lock your car. Why not LOCK YOUR LUGGAGE?

Relax

Use Travel Sentry® Approved Laptop Bags

The TSA now allows travelers to leave laptops in carry-on bags which meet their design criteria for security screening.

The Travel Sentry® "Red Diamond" mark is already known worldwide for "security friendly" products.

Now the Red Diamond helps assure that the laptop bag you purchase is truly "checkpoint security friendly". Each product using the mark has been tested by Travel Sentry, providing you with the assurance that this product meets the latest security guidelines for laptop bags.

It is important to remember that these bags will ONLY work as intended IF you follow the guidelines provided with the bag. The guidelines include a few simple but IMPORTANT rules:

- Assure that NO other items (especially power supplies or cables) are packed in the bag with your laptop. Even small items like pens or "flash" drives or memory sticks must NOT be placed in the bag
- Be sure that the laptop bag itself lays flat on the x-ray belt, with no other items on top or below it

If the above guidelines are carefully followed it

Travel Sentry - How It Works

www.travelsentry.org/index.php?option=com_content&view=article&id=47&Itemid=53&lang=fr

VERROUILLEZ. PROTÉGEZ. DÉTENDEZ-VOUS.

Cadenas - Cherchez le Diamant Rouge

Les cadenas sont simples comme bonjour.

Protégez

Le Saviez Vous ?

- Les traités internationaux obligent tous les bagages à passer par un contrôle de sécurité avant de pouvoir être chargés dans des avions transportant des passagers.
- Le contrôle de sécurité des bagages nécessite souvent d'ouvrir les bagages pour réaliser l'inspection.
- Si votre valise est verrouillée avec un cadenas Approuvé Par Travel Sentry, les agents de sécurité pourront l'ouvrir pour l'inspecter puis la reverrouiller.
- Aux USA et dans certains autres pays, si votre valise n'est pas fermée avec un cadenas aux normes TSA, les agents de sécurité pourront casser votre cadenas pour ouvrir la valise et l'inspecter.
- Les bagages qui utilisent des cadenas TSA Approuvé par Travel Sentry pourront être inspecté plus rapidement et ne seront pas mis en retard pour être ouverts en cassant le cadenas
- Vous pouvez utiliser vos cadenas et bagages Approuvés par Travel Sentry n'importe où dans le monde.
- Il y a plus de 250 millions de cadens et bagages Approuvé par Travel Sentry utilisés aujourd'hui et ce chiffre augmente chaque seconde.
- Verrouiller vos bagages empêchera vos possessions d'être volées, abîmées ou utilisées par des contrebandiers.
- De nombreux modèles de valises sont conçus pour ne rester fermés lorsqu'ils sont manipulés que s'ils sont verrouillés

Détendez-vous

Utilisez de l'Approuvé par Travel Sentry Sacoche d'ordinateur

Le TSA permet maintenant aux passagers de garder leur ordinateur portable dans un bagage à main en règle avec les critères de l'inspection de sécurité.

Le logo "Diamant Rouge" de Travel Sentry est maintenant connu dans le monde entier pour ses produits sécurisés.

Le Diamant Rouge vous permet maintenant de vous assurer que la sacoche d'ordinateur que vous voulez acheter est vraiment compatible avec des contrôles de sécurité. Chaque produit portant le logo a été testé par Travel Sentry, vous garantissant qu'ils soient en règle avec les mesures de sécurité les plus récentes pour sacoches d'ordinateur.

Il est important de se rappeler que ces sacs ne fonctionneront comme prévu QUE SI vous suivez les indications fournies avec le sac. Ces indications contiennent quelques règles simples mais IMPORTANTES:

- Assurez vous qu'AUCUN autre objet (en particulier des chargeurs ou câbles) ne soit dans le sac avec votre ordinateur. Même de petits objets tels que des stylos, des disques externes ou des clés USB ne doivent pas être mis dans le sac.

**A secret passage
to your treasures**

**Un passage secret
pour vos trésors**

3. If your luggage is locked with *Travel Sentry Approved* locks the security officers can open it for inspection and relock it.

(...)

8. Locking your luggage protects your possessions from theft, tampering and misuse by smugglers.

(...)

10. You lock your house. You lock your car. Why not LOCK YOUR LUGGAGE?

3. Si votre valise est verrouillée avec un cadenas Approuvé Par Travel Sentry, les agents de sécurité pourront l'ouvrir pour l'inspecter puis la verrouiller.

(...)

8. Verrouiller vos bagages empêchera vos possessions d'être volées, abimées ou utilisées par des contrebandiers.

(...)

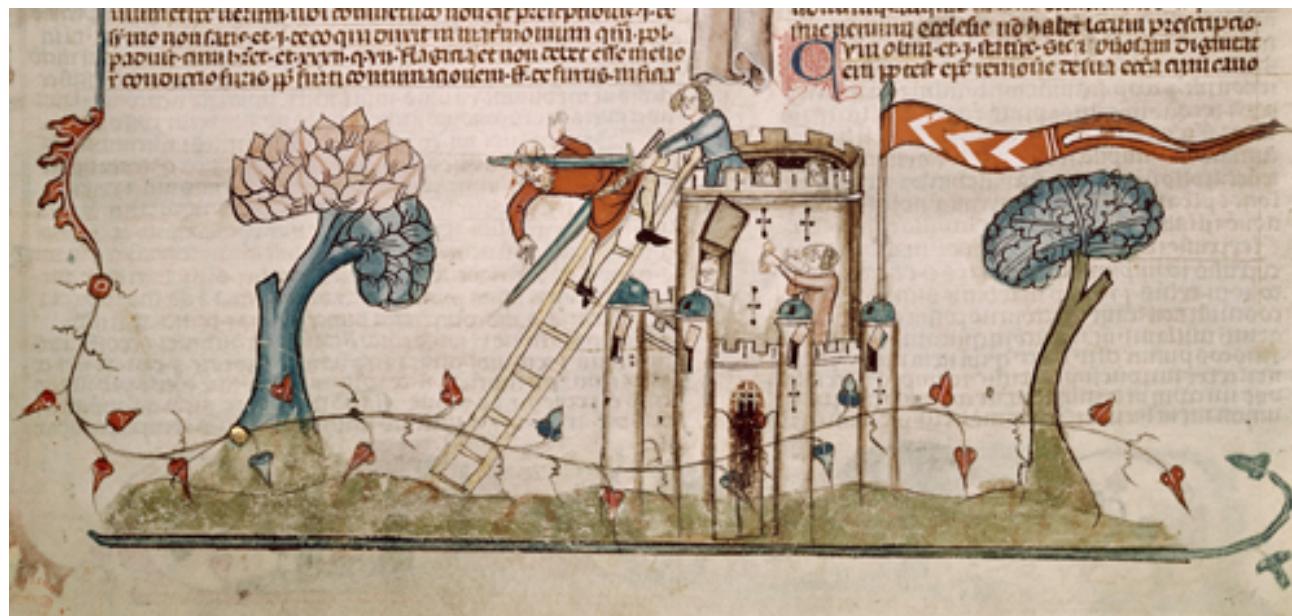
10. Vous verrouillez votre maison. Vous verrouillez votre voiture. Pourquoi ne pas verrouiller vos bagages ?

Source : <https://www.travelsentry.org/>

A secret system!
Un système secret!

Q: Rings a bell?

Q: Des souvenirs?



One picture of the Washington Post Une photo du Washington post

The screenshot shows a web browser displaying an article from HeraldNet.com. The page header includes the HeraldNet logo, a weather forecast for Everett, WA (57° Fair, High: 80° Low: 58°), and links for Customer service, Subscribe, Log in or sign up, Advertising information, and Contact us. The main headline is "What happens to baggage at airports?". Below the headline is a sub-headline: "About 14 million checked bags passed through TSA hands during the Thanksgiving holiday weekend." A large photograph shows a hand holding several TSA-approved luggage locks. The caption below the photo reads: "Security officers have master keys for TSA-approved baggage locks." At the bottom of the article, it says "The Washington Post" and provides sharing options for Facebook, Twitter, Pinterest, LinkedIn, and Email, along with a "PRINTER-FRIENDLY" link. The author is listed as "By Ashley Halsey" from "The Washington Post". The publication date is "Published: Sunday, November 30, 2014, 12:01 a.m.". The article content discusses the volume of luggage handled by the TSA during the Thanksgiving holiday weekend.

**And the secret
was no more
Et le secret
n'était plus**

You Can Now 3D-Print Your Own TSA Master Keys

gizmodo.com/you-can-now-3d-print-your-own-tsa-master-keys-1730134042

TSA-Travel-Sentry-master-key... chateau moyen age porte derob... poterne chateau fort - Recherch... You Can Now 3D-Print Your O...

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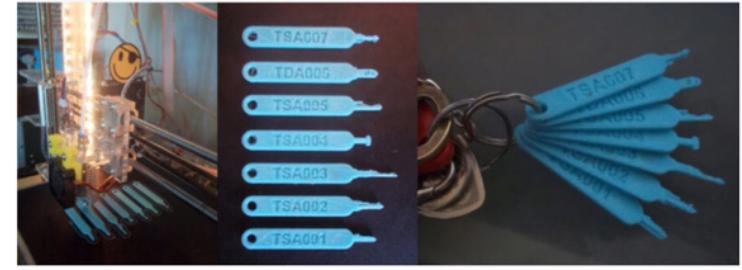
Gawker
We Found the Email Hacker
Yesterday 10:41pm [Viewed 10m | What You Think](#)
15 16
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You Can Now 3D-Print Your Own TSA Master Keys

Adam Clark Estes
9/11/15 4:33pm · Filed to: SECURITY

47.2K 70 7





TSA-recognized locks provide little more than a false sense of security. [That's not news](#). It is news, however, that some hacker type [has uploaded the CAD files of the agency's master keys to Github](#), so that anybody can 3D-print them at home. Let the stealing begin!

Just kidding, please don't break into other people's luggage. More on that in a second.

The TSA master key skullduggery started back in 2014, when *The Washington Post* "accidentally" leaked images of a full set. From those photos, Github user Xyl2k reproduced the design of each key in the form of an STL ([STereoLithography](#)) file and uploaded them for all to enjoy. Security researcher Bernard Bolduc printed one right away and [showed in a video](#) that it really works.

Well, isn't this embarrassing! It's kind of tough to tell who screwed up most: [The Post](#) for publishing the photos or the TSA for coming up with this dumb

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Consequences? Conséquences?

TSA Doesn't Care That Its Luggage Locks Have Been Hacked

The Intercept
UNOFFICIAL SOURCES

TSA Doesn't Care That Its Luggage Locks Have Been Hacked

Jenna McLaughlin

Sep. 17 2015, 6:51 p.m.

f t m 26

Photo: DarkSim905/Imgur

In a spectacular failure of a “back door” designed to give law enforcement exclusive access to private places, hackers have made the “master keys” for Transportation Security Administration-recognized luggage locks available to

For TSA, the important thing is not the treasure security... Only the ability to access it.

Pour le TSA, la question n'est pas la sécurité du trésor mais la possibilité d'y accéder.

Meaning? Signification?



**A secret passage (backdoor)
will always end up beeing
discovered**

**Un passage secret (backdoor)
finira toujours par être
découvert**

European Union Information Security Agency Director Opposes Encryption Backdoors | Bloomberg BNA

TSA-Travel-Sentry-ma... chateau moyen age por... poterne chateau fort -... European Union Inform... Voyager en sécurité : I...

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EUROPEAN UNION INFORMATION SECURITY AGENCY DIRECTOR OPPOSES ENCRYPTION BACKDOORS

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Another terror attack, and yet more calls from governments to weaken encryption.

Udo Helmbrecht, director for the European Union Agency for Network and Information Security (ENISA), [denounced](#) the idea of weakening encryption for law enforcement purposes, in response to calls from some European politicians to do just that in the wake of the Brussels attacks.

European police are currently in possession of [more than 40 encrypted iPhones](#), one of which was seized as part of the investigation into the Nov. 13 Paris attack.

Several Member State governments, including the U.K., France, Poland, Hungary and Romania, have debated legislation to give law enforcement access to the encrypted information on those phones.

"What we have currently is a typical reaction where something happens, people react and then people sometimes use it for their own purposes," Helmbrecht said on the EU news website, EurActiv.com.

Helmbrecht joins European Commission Vice President Andrus Ansip, who said "I

In ICT, Backdoors are a bad idea
Dans les TICs, les backdoors ne sont pas une bonne idée