A PIGEON'S GUIDE TO Confidential Browsing

2019 LIKES

ARTWORK BY ALLY SHWED IN COLLABORATION WITH DIGITAL DEFENSE FUND

WHATCHA UP TO, PIDG?

I JUST BOUGHT SOME BATH BOMBS!

NOW I'M READING THE NEWS...

...!

AVIAN NEWS — Bird Bath Bombs

Climate Change Migration

Bird Bath Bombs — CLICK HERE — SALE! Lavender Bergam...

HOW DOES THIS NEWS SITE KNOW I LIKE LAVENDER BERGAMOT BATH BOMBS?

THAT'S SO PRIVATE!

COOP sweet COOP

WHEN YOU BROWSE, THIRD-PARTY SOCIAL MEDIA, AD NETWORK, AND TRACKING COMPANIES TRACK YOUR ACTIVITY ON THOSE WEBSITES.

THEY USE TOOLS LIKE SCRIPTS, PIXELS, AND COOKIES, WHICH STORE LOGIN INFORMATION AND CREATE A DATA PROFILE OF YOU.

THEN, THEY SELL YOUR DATA TO MARKETERS OR USE IT FOR THEIR OWN ADS ON OTHER SITES.

Bird Bath Bombs

AVIAN NEWS

YOU CAN BLOCK TRACKING WITH PRIVACY BADGER, A FREE BROWSER EXTENSION FROM THE ELECTRONIC FRONTIER FOUNDATION!

BUT TRACKING CAN HAPPEN OUTSIDE YOUR COMPUTER, TOO!

SOON ENOUGH...

NOW I CAN BROWSE FOR BATH BOMBS WITHOUT ANYONE KNOWING WHAT KIND I LIKE BEST!

andi!

WOW, I FEEL A LOT BETTER KNOWING I CAN USE A VPN TO ENCRYPT MY ONLINE ACTIVITY AND HIDE MY IP ADDRESS FROM WEBSITES.

VPNS ARE GREAT!

THERE'S A FREE PRIVATE BROWSER CALLED TOR THAT IS LIKE USING THREE FREE ENVELOPES TO HIDE YOUR TRAFFIC.

BUT WE CAN TALK ABOUT THAT ANOTHER DAY!

IT'S WORTH PAYING FOR A VPN TO MAKE SURE THEY DON'T KEEP LOGS OF YOUR ACTIVITY.

AND MAKE SURE YOUR VPN OFFERS DNS PROTECTION, OR ELSE YOUR DNS REQUESTS WILL GO TO THE ISP'S DNS SERVER INSTEAD!

SOME VPNS I LIKE ARE PRIVATE INTERNET ACCESS, NORDVPN, AND EXPRESSVPN.

THEY DON'T KEEP LOGS AND HAVE STRONG PRIVACY POLICIES.

HOW THE INTERNET WORKS WITHOUT HTTPS OR VPN:

WHEN YOU ENTER "HTTP://BIRDBATHBOMBS.COM", YOUR ISP SENDS A REQUEST FROM YOUR IP ADDRESS TO A DOMAIN NAME SERVER (DNS).

THE DNS TRANSLATES HTTPS://BIRDBATHBOMBS.COM INTO THE WEBSITE'S IP ADDRESS AND FORWARDS YOUR REQUEST TO THE WEBSITE.

THEN THE WEBSITE SENDS BACK THE INFORMATION YOU REQUESTED.

Please send one lavender bergamot bath bomb to Pigeon, 1 Nest Lane, credit card 0000 5555 1234

TO: http://birdbath bombs.com
FROM: Pigeon's IP 123.45.6789

DNS — ISP

SO SHE LIKES LAVENDER, EH?

LOOK! SHE'S ABOUT TO ENTER HER CREDIT CARD INFO!

ADVERTISER

CYBERCRIMINAL

I'LL SAVE THIS INFORMATION FOREVER IN CASE I GET A WARRANT ASKING FOR IT!

ISP

CHECK YOUR BROWSER FOR THE LOCK ICON!

THE LOCK MEANS THAT A WEBSITE USES HTTPS, WHICH ENCRYPTS YOUR REQUESTS.

IN OTHER WORDS, HTTPS SEALS YOUR POSTCARD IN AN ENVELOPE!

FROM: Pigeon's IP
TO: https://bird bathbombs.com

🔒 https://birdbathbombs.com

versus

ⓘ Not Secure | birdbathbombs.co

A VPN (VIRTUAL PRIVATE NETWORK) IS A COMPANY THAT LETS YOU USE THEIR SERVERS INSTEAD OF YOUR ISP'S. THE VPN ENCRYPTS YOUR TRAFFIC AND REPLACES YOUR IP ADDRESS WITH THEIR OWN.

IT'S LIKE THEY PUT YOUR POSTCARD IN TWO ENVELOPES, EACH ONE ENCRYPTING YOUR TRAFFIC AND OBSCURING YOUR ACTIVITY AND IDENTITY.

FROM: VPN
TO: https:// birdbath boms.com

I CAN'T SEE WHO'S LOOKING AT BATH BOMBS NOW!

PIGEON'S USING A VPN. I CAN'T SEE ANYTHING!