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## HOW THEY TRACK YOU

Companies and others are regularly gathering information about you, whether you're at the store, in your car or even at home

## BY LANCE WHITNEY

ou can assume that most tasks you perform on a phone or computer—pay a bill, send a photo, share a joke or buy a gift—are recorded by some business or organization. But the tracking of your information doesn't end there. Your phone might be silently transmitting your location. Your debit or credit card swipes will mark what you bought and where you bought it. Your alarm system keeps records of when you lock your doors.

Most of this is done legally, and with good intentions. As companies collect more data about you and your preferences, they presumably can deliver more personalized information and experiences. Some data collection is merely a function of a product itself; a fitness tracker that can't locate you can't record how many miles you ran today, for example.

Understanding how your data gets collected can help you take more control of your privacy. Here's a look at situations in daily life in which you may be sharing personal information without realizing it.

Lance Whitney has written for Time, CNET and PC Magazine. He's also the author of tech books.

## HOME SHOPPING BROWSING Amazon and other THE INTERNET online retailers have That search engine made it an art form to track not only your purchasing patterns but also you're using to find websites or information tracks what items you viewed so they can your browsing activity. It then recommend more products that align analyzes this behavior to with your interests and needs. target ads to you. LISTENING TO MUSIC When you activate an Amazon Echo or Google Home speaker by voice, those companies record what you utter. Doc Searls, editor in chief at Linux Journal, calls smart speakers "a personal data fire hose squirting from your house," WATCHING TV Some smart TVs can collect your view ing data and other information. New models typically ask your permission first, but it's not always easy to understand what you're agreeing to. If you have an older set, it may be tracking



you by default-you'd have to opt out.

Many new models of kitchen appliances, thermostats, light bulbs, light switches, door locks and more can be controlled from a phone or remote device. "The fact that everyday household products are now connected to the internet presents new privacy and data security challenges," says Sam Lester, consumer privacy fellow for the Electronic Privacy Information Center. Transmitted data can indicate whether you are home.





Yourself

eyes. Search "VPN" on the web to find services; most charge a small monthly fee.

Change web browsers. A few, like Tor or Epic Privacy Search anonymously. Search engines such as **DuckDuckGo and StartPage** block ad trackers and keep your search history private.

and see how the app runs without sharing that info.

Don't share your location. "If you go for a walk that your fitness app tracked,

where you live and when you're away," says Ray Klump, professor of computer science and mathematics at Lewis University.