## GOOGLE KNOWS EVERYTHING YOU HAVE CLICKED ON ONLINE!

Ninja Bits: The assistant professor at Princeton, Arvind Narayanan, who is a graduate student from Steven Englehardt has conducted a large massive study upon how exactly websites track their users by utilizing different techniques.

THE RESULES ALSELADED ON THE <u>CLUCETON MER CENSUS LESEARCH</u> CAN SHOW US THAT THE MASSIVE SEARCH ENAITHE COODER, THROUGH THOUSANDS NAON MILLIONS OF MULTIPLE ADMAINS, POSSESS THE AFTUTED TO FLOCH USERS NAON AND BO-REPORTE OF ALL THAT FOR THE INTLUION ADMAINS.

THE SECTOR HTCHEL LUSCHEL - COODRE

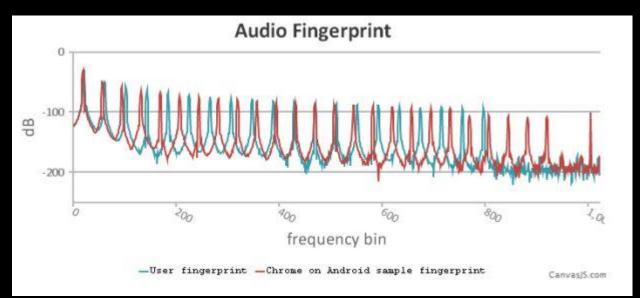
THE RESEARCHERS ENDE HAS REVEALED END CODELE-BUNCH DOMAINS, IN WHICH GROWSERS ARE AGLE ED LOAD END ENDERING CODE, HOLDS END ACCOUNTS FOR END EOR E OF END MOSE POPULAR ENACHERS AND SEILL CONFINUES AS END IS OF END EOR AD ENACHER ADMAINS.

PACE: AFEC PECFORMING END SEQUENCE ONE PECCENE OF ALL WELSIES.



THIS PROVIDES SUBBESEIONS EADE EAR EDEDE NUMBER OF EAR EAIRD PORED ERDEARTS IN WHICH DRE UEILIZED REDUCATED WILL DESC ENCOURER ON D NORMAL DOILD EDSES IS DEEUDLED ROBERS INDIC. THIS PERFECE IS DECENEUDEED DS WE LOOK INED EAR DIFFERENCE EAIRD PORED ENELEISS IN WHICH DRE OWNED ED EAR SOME ENELES. WE DESC HNOW EADE FOREGOOK, COOSE, DND EVEN TWIELER HOLDS EAR ONLY EAIRD PORED ENELEISS EADE DRE CLEDRED ON ONCE EAD ECOPERCENCE OF WEESTERS.

What does all of this meane in essence, there is a preatly high chance that as you visit a website, or even clitch on a linn, that one out of three major companies, if not all of them complined, will already thow BEOUE IE. THIS HOLDS MOSE POSSIBLE ENROUGH COODLE, IN WHICH ENP



LUDECUCTURIND FO TWERE OU DRATO-ROSED

IN ONVER LO FULLY COLLECE EMEIN VALUE, THE RESEARCHERS HAVE OUTLINE SPECIAL PIECE OF SOFEWARE EMAIL HAVE HAVE SERVERAL THEY CALLED EMEIN SOFEWARE "OPENMEM", IN WHICH EMEY HAVE SERVEROUSLY MOSEEN ONLINE <u>DS OPEN SOUNCE</u>. THE OPENMEM LOADS SEVERAL WEESILES INSIDE OF CHROME, FIREFOR, AND EVEN INFERNEL EXPLORED. THUS COLLECEINS SEVERAL PACHEES OF VALUE UPON THE FRACHTUS FECHNOLOSY EMAIL IS LOADED ONED EACH PASE.

THIS OPENMENN WILL SEARCH FOR LHING PAREN JAVABORITE FILES, FLASH OGUECES, COOHIES, FORES, AND EVEN FINDERPRIME JAVABORITE FILES, FLASH EHE ORES LHAE ULILIZES LHE HINCE CARVAS, AUDIO CORLESE, AND API'S AS WELL AS WEBAIC LOCAL IP DISCOVERS.

HOWEVER, OUE OF ALL OF EHE EHILATPARES ENER NOUMALE AND DE ALSO HAPPERS EN LEVALUA ENALES, ENER NOUMALLA DE ALSO HAPPERS EN LEVALUA EN LEVALUA

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## THE USER FLACHTUA EUFTFTES ALE EVELAMHELE

AS EME RESULES FROM EME PRINCEEON SURVEY ARE NOT MUCH OF A LARGE SURPRISE ED SEVERAL OF US, AS WE HAVE SEEN SOMEEMING HULLE SIMILAR CARRIER OUE EY RESEARCHERS FROM MIT AND OBFORD. THEIR RESEARCHER WAS PUBLISHED CARLER EMISSION OF THE PRINCE OF EME COCATION TAGS, EMAL ON JUSE A FEW EWEELS, YOU CAN SEE A LOE OF EME DELAILS ABOUT A SPECIFIC ACCOUNTS OWNER. BUCH AS EMEIR REAL MORE DELAILS ABOUT A SPECIFIC ACCOUNTS OWNER. BUCH AS EMEIR REAL WORLD ADDRESS, EMEIR MOLEDS, AND EVEN MEDICAL MISSIONS EMEIR REAL DELAIRS OF THILEER AND EVEN MEDICAL MISSIONER, EMISSIONER ED SPECIFIC EARGERS.

HOWEVER, ELECHINE ENERGY OF ENERGY MORE SO.



ALL OF LHE SEUDLES PERFORMED HAS ALSO REVEALED LHAL LE LE CLEARLY GECOMINA MUCH HARDER LO MAINEAIN A LOW PROFILE WHILE CARAINA OUE HOUR PERSONAL LIFE ONLINE OF EVEN ON HOUR PHONE. SOME HNOWN USERS WILL GLOCH LHE HIMLE CANVAS FINAERPROTOLINEINA, HOWEVER, LHEM MAH ALSO USE LHEIR CELL PHONES ON A MORE REPUBLIC GASIS. FOR LHOSE WHO HO NOL USE LHE MOLE PHONES, LHEN LHE WELFTE WILL REVEAL LHEIR REAL REAL CELL PHONES ON A MORE REPUBLIC LEVEL LHEIR REAL CELL PHONES, EVEN LHEIR CELL PHONES ON A MORE REPUBLIC LEVELL LHEIR REAL REAL CELL PHONES, LHEN LEVEN LHEIR CELL PHONES ON A MORE REPUBLIC LEVEL LHEIR REAL REAL REAL MOLE PHONES, LHEN LHE WELFTE WILL REVEAL LHEIR REAL REAL MOLE PHONES, LHEN LHE WELFTE WILL REVEAL LHEIR REAL MOLE PHONES, LHEN LHE WELFTE WILL REVEAL LHEIR REAL MOLE PHONES OF A MORE REAL MOLE PHONES OF A DATE OF THE REAL REAL REAL REAL REAL MOLE PHONES, LHEN LHE WELFTE WILL REVEAL LHEIR REAL MOLE PHONES, LHEN LHE WELFTE WILL REVEAL LHEIR REAL MOLE PHONES OF A DATE REAL REVEAL REVEAL REVEAL MOLE PHONES OF A DATE REVEAL MOLE PHONES OF A DATE REVEAL REVEAL REVEAL REVEAL MOLE PHONES OF A DATE REVEAL REVEAL REVEAL REVEAL MOLE PHONES OF A DATE REVEAL REVEAL REVEAL REVEAL REVEAL MOLE PHONES A DATE REVEAL REVEAL REVEAL REVEAL REVEAL REVEAL MOLE PHONES A DATE REVEAL UTCL OCADA FE SOMEOUG TU SHOODA AFE FUTU-LOCHELS' FHELE MICL OCADAR FE SOMEOUG TU SHOODA MOFCHTUD US

Sources: <u>News. Softpedia { } GitHub { }</u> <u>Princeton Web Census { } OpenWPM</u> { } <u>News. MIT</u> { } <u>PNAS</u> { }

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