











UNITED STATES DISTRICT COURT DISTRICT OF MASSACHUSETTS	Beheal of Law rectinalizy/Law Clinic Home About the Clinic Practice Areas People Blog Contact Us Frequently Asked Questions
MASSACHUSETTS BAY TRANSPORTATION AUTHORITY Plaintiff v. ZACK ANDERSON, RJ RYAN, ALESSANDRO CHIESA, and the MASSACHUSETTS INSTITUTE OF TECHNOLOGY Defendants	Lipid Disputcies for Subuleant Research and Creation Minimum Subuleants: Click Here for Our Intake Questionnalit Bru/Uni Technologi, Law Clinis in any obno service for students at MI and BU whole consulting and entracorologi archited academic and the Macadomic atalent and and the Macadomic
COMPLAINT	Boston University BU School of Law BU Today Startup Law Clinic Follow @BUTechLaw on Twitter
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The Computer Fraud and Abuse Act

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LET'S CRACK DOWN ON HACKERS

Fred Benner

(I) Sitting in front of his home computer console, a teenage boy feverishly types in password after password in an attempt to access the mystery computer he has stumbled upon. Although he is somewhat discouraged by his vain attempts to solve this particular Rubik's cube, he finally cracks the code and he is "in." Like a kid in a candy store, he excitedly applies his small amount of knowledge of computers obtained through a summer course and "browses" through the system. After a thorough look, he hangs up the phone, finishes his algebra homework, and goes to bed, satisfied with his computer safecracking achievement.

(2) Does this sound like a scene from the popular movie, <u>War Games</u>? As impossible as it seems, our mental image of the computer "hacker" (so-named for the ability to hack-up computer systems) is not so far from reality, but not as glamorous as it looks. Hacking should be recognized as nothing more than what it really is-breaking and entering, invasion of privacy, and in some cases, theft and destruction of property. It should also show why there is a need for government regulation of home computers.

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THE CFAA TODAY THE CFAA TODAY 18 U.S.C. § 1030(a) 18 U.S.C. § 1030(a) (1) access a computer without authorization or exceeding authorized access, (5) (A) knowingly cause transmission of a program, and intentionally cause and obtain classified or atomic energy information, with reason to believe damage that information could be used to injure the United States (B) intentionally access computer without authorization, and as a result, recklessly cause damage (2) access a computer without authorization or exceeding authorized access, (C) intentionally access a computer without authorization, and as a result and obtain "information from any protected computer" cause damage and loss (3) access without authorization any nonpublic computer of an agency of the (6) trafficking in passwords through which a computer may be accessed United States government without authorization (4) with intent to defraud, access a computer without authorization or (7) with an intent to extort, transmit a threat to cause damage to a computer exceeding authorized access, and by doing so further the intended fraud or obtain information from a computer without authorization and obtain a thing of value BU School of Law BU School of Law Technology Law Clinic echnology Law Clinic

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The CFAA Today

Putting them together

- (1) the "espionage, but with computers" one
- (2) the "obtaining information" one
- (3) the access to nonpublic fed. computers one
- (4) the "fraud, but with computers" one
- (5) the three "damage" crimes
- (6) password trafficking
- (7) the "extortion, but with computers" one



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(a) Whoever-

(2) intentionally accesses a computer without authorization or exceeds authorized access, and thereby obtains [...] (C) information from any protected computer

(4) knowingly and with intent to defraud, accesses a protected computer without authorization, or exceeds authorized access, and by means of such conduct furthers the intended fraud and obtains anything of value [not counting use of the computer, if that use is not worth more than \$5000]

(5) (A) knowingly causes the transmission of a program, information, code, or command, and as a result of such conduct, intentionally causes damage without authorization, to a protected computer;

(B) intentionally accesses a protected computer without authorization, and as a result of such conduct, recklessly causes damage; or

(C) intentionally accesses a protected computer without authorization, and as a result of such conduct, causes damage and loss

BU School of Law Technology Law Clinic shall be punished as provided[.]

(a) Whoever-

(2) intentionally accesses a computer **without authorization** or **exceeds authorized access**, and thereby obtains [...] (C) information from any protected computer

(4) knowingly and with intent to defraud, accesses a protected computer **without authorization**, or **exceeds authorized access**, and by means of such conduct furthers the intended fraud and obtains anything of value [not counting use of the computer, if that use is not worth more than \$5000]

(5) (A) knowingly causes the transmission of a program, information, code, or command, and as a result of such conduct, intentionally causes damage **without authorization**, to a protected computer;

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(C) intentionally accesses a protected computer **without authorization**, and as a result of such conduct, causes damage and loss

BU School of Law Technology Law Clinic shall be punished as provided[.]







(e) As used in this section —

(6) the term "exceeds authorized access" means to access a computer with authorization and to use such access to obtain or alter information in the computer that the accesser is **not entitled** <u>so</u> to obtain or alter;

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	CLAIMS	CFAA CLAIMS	
	authorized	access	
	Earlion" Convince - point - and from - and from - and from	the ferm "exceeds authorized access" means to access a	
only on techno also looks to li	purposes, we need not address whether this inquiry turns logical (or "code-based") limitations on access, or instead mits contained in contracts or policies. Cf. Brief for Orin	s 1030(a) obtain or alter information in the computer that the accesser is not entitled so to obtain or alter;	
Kerr as <i>Amicu</i>	s Curiae 7 (urging adoption of code-based approach).	S 1030 Per Van Ruran v. United States (2021)	image
Xerr as Amicu	s Curiae 7 (urging adoption of code-based approach).	 Per Van Buren v. United States (2021) "so" in "not entitled so to obtain" means "in the same manner" should be geared towards "inside hackers" as a "gates-up-or-down" inquiry and when Congress uses technical words courts should give them their technical meani 	mage essly) mage s





- "so" is "in the same manner"
- should be a "gates-up-ordown" inquiry
- when Congress uses technical words courts should give them their technical meanings
- but SCOTUS is not saying this has to be "code based," at least for now.

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BB

BU School of Law Technology Law Clinic BU School of Law Technology Law Clinic "A PAC run anti-Trump site putintrump.org is about to launch. The PAC is a recycled pro-Iraq war PAC. We have guessed the password. It is 'putintrump.' See 'About' for who is behind it. Any comments?"

"Guys I got a weird Twitter DM from [W]ikileaks. See below. I tried the password and it works and the about section they reference contains the next pic in terms of who is behind it. Not sure if this is anything but it seems like it's really wikileaks asking me as I follow them and it is a DM. Do you know the people mentioned and what the conspiracy they are looking for could be? These are just screen shots but it's a bully built out page claiming to be a PAC let me know your thoughts and if we want to look into it."⁹⁸



	The Markup		The Markup Big Tech Is Watching You. We're Watching Big Tech.		
"access a computer with authorization and to use such access to obtain or alter information in the computer that the accesser is not entitled so to obtain or alter" • "so" is "in the same manner" • should be a "gates-up-or- down" inquiry	Production Bar Crime Prediction Software Promised to Be Free of Biases. New Data Shows It Perpetuates Them	 "access a computer with authorization and to use such access to obtain or alter information in the computer that the accesser is not entitled so to obtain or alter" "so" is "in the same manner" should be a "gates-up-or- down" inquiry 	Ala	at We Found cek of multifactor nentication	Why This Matters Multifactor authentication prevents an attacker from being able to log in to your accounts by having just your password alone. It usually requires a second
 when Congress uses technical words courts should give them their technical meanings but SCOTUS is not saying this has to be "code based," at least for now. 	The company that makes it sent more than 5.9 million of these crime predictions to law enforcement agencies across the country—from California to Florida, Texas to New Jersey—and we found those reports on an unsecured server.	 when Congress uses technical words courts should give them their technical meanings but SCOTUS is not saying this has to be "code based," at least for now. 		log-in attempt limits	authentication method, which can be a temporary code from a text message or an authentication pap, or a physical token like a USB security key. Attempt limits prevent attackers from making an thintie amount of guesses until they correctly guess and can eventually crack most passwords without attempt limits. We were able to try the wong password 500 times with no warning (after checking an initial checkus baleded " am human").
BU School of Law Technology Law Clinic		BU School of Law Technology Law Clinic		k of password nge notifications	Password change notifications warn users when their credentials are altered without their consent. LIGS80 logs out all other sessions once a password is changed, but the original owner is never notified when that happens. If the attacker changes the password before the real user does, the real user would effectively be locked out of their own accounts.





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BU School of Law Technology Law Clinic shall be punished as provided[.]





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program withou	Updates (0) Cy ate program, please do n ut express consent from One's disclosure guidelin	the organization	program or any	vulnerabilities (even resolved	d ones) outside	e of the the the the the
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(g) Any person who suffers damage or loss by reason of a violation of this section may maintain a civil action against the violator to obtain compensatory damages and injunctive relief or other equitable relief. A civil action for a violation of this section may be brought only if the conduct involves 1 of the factors set forth in subclauses (I), (II), (III), (IV), or (V) of subsection (c)(4)(A)(i). Damages for a violation involving only conduct described in subsection (c)(4)(A)(i)(I) are limited to economic damages. [...]

(c) The punishment for an offense under subsection (a) or (b) of this section is—
(4)(A) [with some exceptions,] a fine under this title, imprisonment for not more than 5 years, or both, in the case of—
(i) an offense under subsection (a)(5)(B), [if a first offense,] if the offense caused [or would have caused] –
 (I) loss to 1 or more persons during any 1-year period [and for criminal cases, loss affecting 1 or more protected computers] aggregating at least \$5,000 in value;
(II) [impairment or modification of medical technologies]
(III) physical injury to any person;
(IV) a threat to public health or safety;
(V) [government computers used in administration of justice, national defense, or national

security]

BU School of Law Technology Law Clinic (g) Any person who suffers damage or loss by reason of a violation of this section may maintain a civil action against the violator to obtain compensatory damages and injunctive relief or other equitable relief. A civil action for a violation of this section may be brought only if the conduct involves 1 of the factors set forth in subclauses (I), (II), (III), (IV), or (V) of subsection (c)(4)(A)(i). Damages for a violation involving only conduct described in subsection (c)(4)(A)(i)(I) are limited to economic damages. [...]













