SECURING CODE THROUGH SOCIAL ENGINEERING

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LET'S GET OUR HANDS DIRTY

WHAT IS SOCIAL ENGINEERING?

HACKING THE MIND

A look inside how and why social engineering works.

WHAT EXACTLY IS SOCIAL ENGINEERING?

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THE ART OF MANIPULATING PEOPLE INTO PERFORMING ACTIONS OR DIVULGING CONFIDENTIAL INFORMATION. WHY BOTHER DEVELOPING AND PLANNING A SOPHISTICATED TECHNICAL HACK WHEN YOU COULD JUST TRICK SOMEONE INTO GIVING YOU ACCESS TO ANYTHING YOU WANT?

AN EXPLOITATION OF TRUST

SOMEONE WHO CAN LEVERAGE THE TRUST OF THEIR VICTIM TO GAIN ACCESS TO SENSITIVE INFORMATION OR RESOURCES OR TO ELICIT INFORMATION ABOUT THOSE RESOURCES

WE ARE PROFESSIONAL LIARS.

* NOT ACTUALLY A BAD PERSON WE ARE PROFESSIONAL LIARS.

PEOPLE ARE VULNERABLE

AND WE ARE LAZY. AND WE WANT TO BE HELPFUL. AND WE WANT TO BE NOTICED.



LET ME TELL YOU A STORY.



IF I CAN JUST OVERCLOCK THE UNIX DJANGO, I CAN BASIC THE DDOS ROOT, DAMN. NO DICE. BUT WAIT... IF I DISENCRYPT THEIR KILOBYTES WITH A BACKDOOR HANDSHAKE THEN... JACKPOT.

REAL HACKING ...

MOVIE HACKING ...

AND SOCIAL ENGINEERING IS THE PATH OF LEAST RESISTANCE.



THE **BIGGEST** ISSUE WE FACE IN INFOSEC.



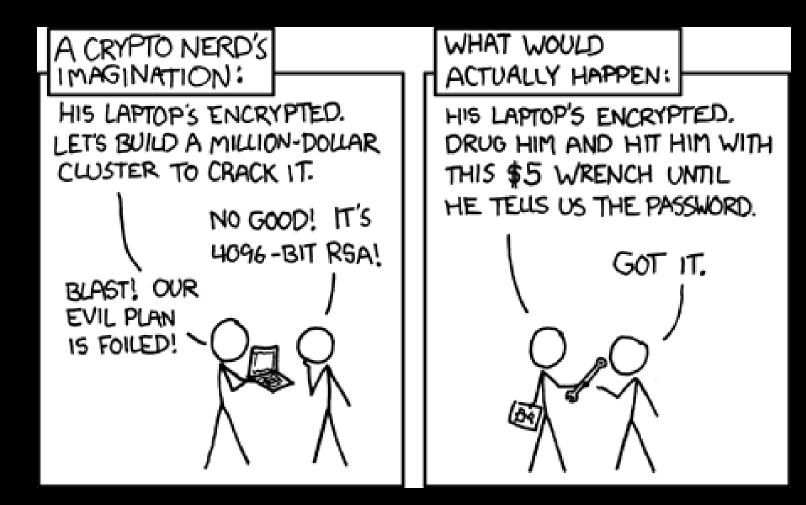
PATCHING BUGS | = PATCHING HUMANS



WE ARE THE ROOT OF ALL EVIL, AND THE REASON FOR ALL SECURITY ISSUES.



THERE IS NO PATCH FOR HUMAN STUPIDITY.



TECHNICAL SYSTEMS ARE: REVIEWED SCANNED PENETRATION TESTED

BUT...

HOW DO WE MEASURE **VULNERABILITY IN PEOPLE?**



WE DON'T. WE SHAME AND BLAME. WE MAKE THEM FEEL BAD FOR THEIR BEHAVIOR. WE ARE IGNORANT.

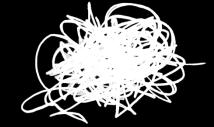
*AND WE'RE NOT DOING ANYTHING TO EFFECTIVELY CHANGE THIS.

WE AVOID TESTING BECAUSE IT MAKES US FEEL VULNERABLE.



AND WE DON'T LIKE TO FEEL VULNERABLE.

PSYCHOLOGY + TECHNOLOGY =





WE FALL VICTIM TO BASIC **PSYCHOLOGICAL** AND **PHYSICAL** NEEDS:



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LET ME TELL YOU ANOTHER **STORY**.

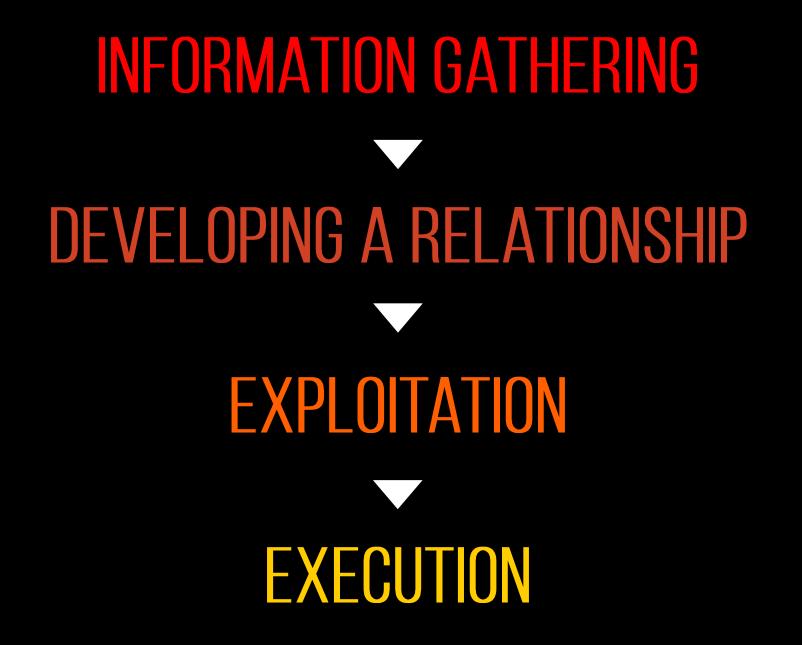


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LET ME SHOW YOU HOW.







LET'S FOCUS ON YOU.



DEVELOPERS = GOOD

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HACKERS/SOCIAL ENGINEERS = BAD?



I have a permit. 581

WHAT ARE WE OVERLOOKING?



WE NEED TO **STOP** BEING **GOOD**.



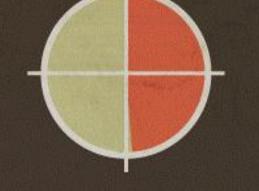
WHAT ARE WE DOING WRONG?



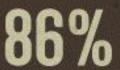




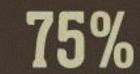




48% of enterprises have been victims of social engineering attacks.



86% of IT and security professionals are aware of the risks of social engineering.



success rate with social engineering phone calls to businesses.

ALMOST EVERYTHING.



WE WATCH VIDEOS

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WE WATCH VIDEOS WE DO E-LEARNING MODULES

WE WATCH VIDEOS WE DO E-LEARNING MODULES WE TICK BOXES



WE WATCH VIDEOS WE DO E-LEARNING MODULES WE TICK BOXES WE MAKE POSTERS



WE WATCH VIDEOS **WE DO E-LEARNING MODULES** WE TICK BOXES WE MAKE POSTERS WE BECOME PCI DSS COMPLAINT









SOCIAL ENGINEERING



THE FIX?



THE **FIX**? IN 5 EASY STEPS!





BE OBJECTIVE

BE DESTRUCTIVE



BE PARANOID



DON'T SHAME AND BLAME



AND...HAVE FUN

VIDEO!

DR: RENEW YOUR PROCESSES

QUESTIONS? SPECIAL THANKS: @LADY_NERD, @LITTLEJOETABLES

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