DAVID JACOBY

- HACKER 2.0
- SUPER DAD
- MOVIE NERD
- RETRO COMPUTER NERD
- ADVISOR / AUTHOR / SPEAKER
- SUPER MODEL :}
WHAT IS IT-SECURITY?
WE NEED TO BE SECURE
WE GET TOTALLY EXCITED!
WHEN WE TRY TO EXPLAIN OUR IDEAS!
MANAGEMENT DOES NOT UNDERSTAND US!
MANAGEMENT SEE THE BUDGET!
BAD GUYS DO THIS:
BAD GUYS ALSO DO THIS
BAD GUYS START HACKING
BADGUYS BYPASS OUR SECURITY!
CANT IDENTIFY THE ATTACK
HUMILIATED
BUT WHAT DO WE DO?
BUT WHAT DO THEY DO?
DETERMINE THE **ROOT CAUSE?**
BUT WE HAVE A **RECOVERY PLAN!**
WE WORK 24/7!
HOW OUR SECURITY SHOULD WORK!
SELLING US NEW SOLUTIONS!
SOME IS REALLY BAD!
SOME WILL DO **MAGICAL THINGS**!
BUT WE CANNOT MANAGE IT!
THE PERFECT SECURITY!
NOT PERFECT SECURITY!
REFUSE TO SEE THE PROBLEM!
... HACKED AGAIN!
WE WISH THAT WE ARE GOING TO BE SECURE!
WE DON'T LEARN HOW TO GET SECURE
WE LEARN ABOUT THREATS
EDUCATION

AWARENESS

MINDSET

KNOWLEDGE

NO EXCUSES

TAKING IT PERSONAL
WE TRY TO MAKE A LIVING
WE DON’T TRY TO MAKE A CHANGE
WE HAVE TO DO SOMETHING WE ENJOY
CREATIVITY = HACKING
I AM A HACKER!
- «A hacker is one who enjoys the intellectual challenge of creatively overcoming and circumventing limitations of programming systems and who tries to extend their capabilities»
HACKING
THE SECURITY
INDUSTRY
FALSE PERCEPTIONS
AND EXCUSES!!!
- IT-Security is very expensive!
- Passwords are too difficult to remember!
- We are not hackers!
- Management never gives us enough time!
- Training is expensive!
- We are not a target!
- OSX/Linux/Unix is not a target for malware!
- and a lot more...
- Pentesters are magic unicorns with unlimited power!
- IT-departments are too "lame" to perform pentests!
- All found vulnerabilities were known internally! We only need to audit our new systems!
<table>
<thead>
<tr>
<th>Service</th>
<th>Cost</th>
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</thead>
<tbody>
<tr>
<td>1 x PENTESTER</td>
<td>1200 SEK/hour</td>
</tr>
<tr>
<td>1 x SECURITY AUDIT</td>
<td>1 week</td>
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**TOTAL:** 8 * 1200 * 5 = 48000 SEK
WE ALREADY KNEW ABOUT THESE PROBLEMS?!
BUG BOUNTY GAME
- Create different teams consisting of
  - System Administrators
  - Database Administrators
  - Web Developers
  - Network Administrations

- Let them document all **KNOWN** vulnerabilities
  - Weak Passwords / Expired accounts
  - Bad Network Segmentation
  - Unpached Servers
  - Configuration mistakes
  - ... and everything else ...
THE PENTESTING GAME

- Create an event around the game
  - Invite an speaker!
  - Have prices?
  - Coca Cola, Pizza, Beer etc.
  - Teambuilding event!

- The outcome of the game is
  - Much better documentation?
  - Internal Education
  - Getting better value for Security Audits
  - Building a stronger team
  - Saving money?
$\text{HACKERS} = "10";

<table>
<thead>
<tr>
<th>Item</th>
<th>Price</th>
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<tbody>
<tr>
<td>1 x HACKER FOOD</td>
<td>100 SEK x $\text{HACKERS}$</td>
</tr>
<tr>
<td>1 x HACKER DRINKS</td>
<td>200 SEK x $\text{HACKERS}$</td>
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<tr>
<td>3 x PRIZES</td>
<td>1500 SEK</td>
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<tr>
<td>1 x RANDOM STUFF</td>
<td>2500 SEK</td>
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**TOTAL:** 7000 SEK
<table>
<thead>
<tr>
<th>Gain</th>
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</thead>
<tbody>
<tr>
<td>DOCUMENTATION</td>
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<td>EDUCATION</td>
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<td>AWARENESS</td>
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<tr>
<td>MINDSET</td>
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<tr>
<td>&quot;PERSONALIZATION&quot;</td>
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<tr>
<td>TEAM BUILDING</td>
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**MUCH MORE EFFECTIVE CONSULTANTS**
WHAT IS THE MOST IMPORTANT FACTOR FOR PASSWORDS?
PASSWORDS NEEDS TO BE PERSONAL!
USE A PERSONAL PHRASE!
USE A PERSONAL CHARACTER!
CONNECTION RESET
BY PEER!
QUESTIONS