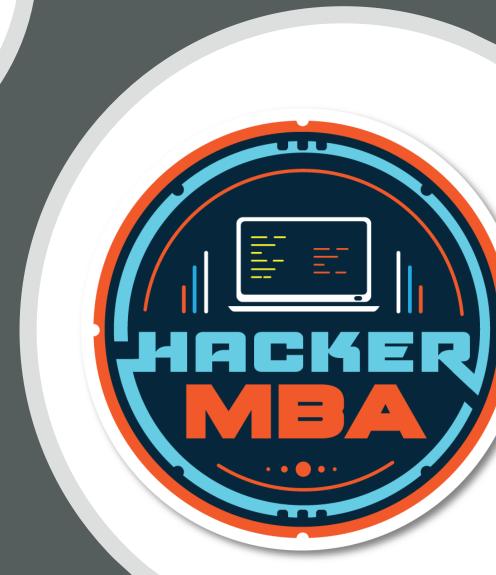


Qasim "Q" Ijaz





\$WHOAMI

Lead penetration testing teams at Coalfire Labs

"Adaptive penetration testing" instructor at BH U.S. and BH EU

Hundreds of penetration tests

As well as tens of HIPAA and HITRUST assessments

• Twitter: @hashtaginfosec





AGENDA



TEAMWORK



TIME MANAGEMENT



ETHICAL DECISION MAKING



LEADERSHIP



COMMUNICATION HACKS



QUESTIONS









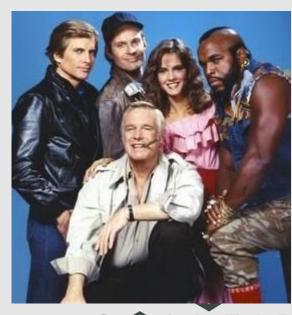


TEAMS

- A collection of people who interact to achieve a common goal
 - E.g. a project manager, delivery director, and two penetration testers working on an app and network pen test

Teams are part of everyone's life

- Different pieces of projects require
 - Complementary skills and competencies
 - Coordination of efforts
 - Establishing priorities
 - Combining knowledge and expertise













ENABLING CONDITIONS OF GREAT TEAMWORK

- Compelling Direction
 - That energizes, orients, and engages team members
 - Reduce confusion, set challenging goals
- Strong Structure
 - Diversity reduces "group think"
 - Optimally designed processes
 - Norms that discourage destructive behavior and encourage positive dynamics





ENABLING CONDITIONS OF GREAT TEAMWORK

- Supportive Context
 - A reward system that reinforces good performance (e.g. bonuses)
 - An information system that provides access to the data needed for work
 - Training (internal and external)
 - Technological assistance
- Shared Direction
 - Fostering common identity and common understanding











SHRED MINDSET: HOW TO?

- Ensure that each subgroup, team, or team member feels empowered and valued
 - for their contributions to the team/organization's goals

- Create shared experiences
- "Structured unstructured time"
 - Time blocked off in the schedule to talk about matters not directly related to the tasks at hand









TIME MANAGEMENT THROUGH TASK MANAGEMENT





ACCOMPLISH MORE IN SHORTER TIME

- Keep a track of your obligations / tasks
- Set and achieve your short and long term goals
- Assist with multi-tasking
- Reduce and eliminate distractions
- Reduce stress ©





TIME MANAGEMENT THROUGH TASK MANAGEMENT









TIME MGMT. THROUGH TASK MGMT.

- Instead of fitting work into 8 hours
 - Think: What tasks I have and how much time per task is required
 - This will force you to say "No" when necessary
- Task management provides us with a sense of accomplishment
- Task management is tangible
 - You can see / communicate your success





MULTI-TASKING LIKE A PRO

- Get the big picture
- Sequence strategically
- Protect yourself
 - Set and communicate expectations
 - Document and communicate task status
- Working on a task that requires undivided attention?
 - Set an auto-reply in Outlook/etc. for that time-period





TASK MANAGEMENT TOOLSET





TAMING THE TO-DO LIST

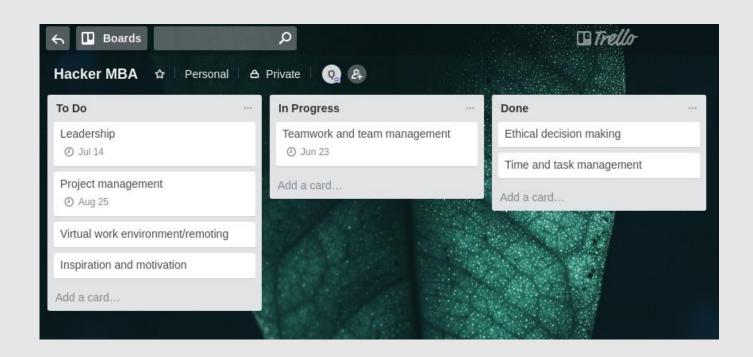
- List-based (Try Wunderlist, Todoist, or ToodleDo)
 - Organize by priority or due date
 - Prioritize by
 - Due date
 - Impact on the bigger picture (project)
 - Organizational needs (Context/Dependencies)

+ ADD TASK	Toodledo®						Q	•
qasimijaz (Me) > Folders > Hacker MBA >							SORT ↑↓ ↑	†↓ † †↓ † · •
Task	Folder	Start Date / Time	Due Date / Time	1Repeat	Length	Timer	Priority †	Status
								+
☐ ☆ ◎ ♣ Hacker MBA PPT	Hacker MBA	Oct 22	Oct 26	None	5 hours	•	2 High	Active
✓ ☆ ② ⊕ Time Mgmt. PPT	Hacker MBA	Oct 15	Oct 17	None	1 hour	(b)	2 High	Active
✓ ☆ 💿 🕂 Teamwork PPT	Hacker MBA	Oct 18	Oct 19	None	1 hour	▶	2 High	Active
☐ ☆ Practice the presentation	Hacker MBA	Today	Nov 02	None	3 hours	D	0 Low	None
Total Estimated Lengths: 10 hours Total Elapsed Timers: 0:00	Displayed Tasks: 2 ac	tive and 0 complet	ed.					



TAMING THE TO-DO LIST

- Kanban (try Trello)
 - Card/sticky-note based task management
 - Categorize tasks
 - To Do, In Progress, Done







FOR THE FAINT OF HEART: COMMAND LINE TO-DO LIST

- sudo apt install taskwarrior
 - sudo yum install task
 - pacman –S task
 - https://taskwarrior.org/download
- Other options: http://todolist.site and http://todotxt.com

```
q@DELL:~$ task nextID AgeDue DescriptionUrg2 2min12h --project:Coalfire Create Pentest report8.553 11s6d Submit timesheet5.61 12minPrepare Time and Task Mgmt PPT due:Friday0
```

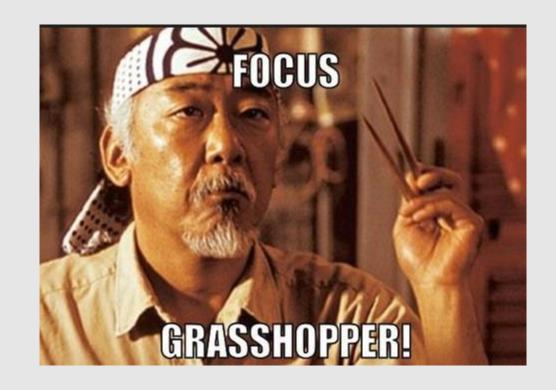




Make your to-do list/app work for you











PRO TIP: DELEGATION AND NOT-TO-DO LIST

- Ask yourself how each task already on the list does not contribute to your goals
 - Does this task really need to be done?
 - If yes, does it really need to be done by you?
 - If no, then delegate
 - If no, create a not-to-do list
 - I call it "Sometime in the future" list
 - Any tasks that don't need to be done in near future, go here

• This is liberating:)





Regain Your Sense of Control by checking off a "Done today" list of accomplishments









PROCRASTINATION IS

"Purely a visceral (primitive), emotional reaction to something we don't want to do"

Tim Pychyl – author of "Solving the Procrastination Puzzle"





BEAT PROCRASTINATION

- Seven triggers reverse them!
 - 1. Boring
 - 2. Frustrating
 - 3. Difficult
 - 4. Ambiguous
 - 5. Unstructured
 - 6. Not essentially rewarding
 - 7. Lacking in personal meaning
- Do Something!



HACKER



What my friends think I do



What my Mom thinks I do



What I think I do

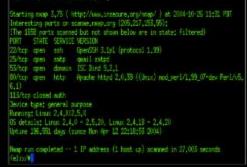


What society thinks I do



What the government thinks I do





What I actually do



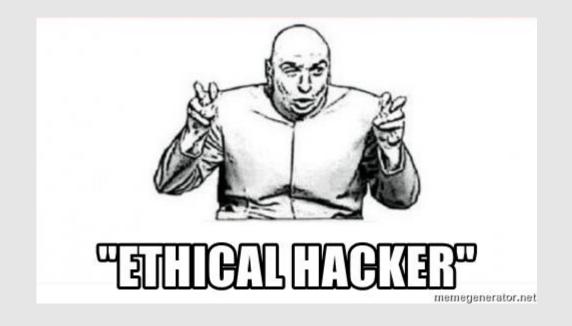




ETHICAL DECISION MAKING











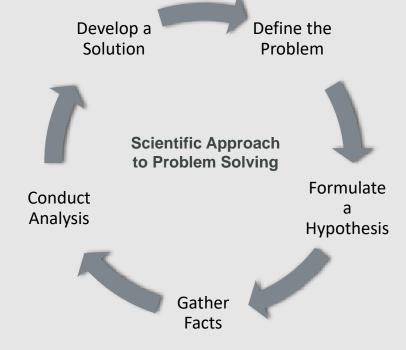
WHY "ETHICAL" HACKING: NO RIGHT OR WRONG ANSWERS

- Do you do the right thing for the client (whole company) or their staff (individual)
 - Do you report the names of individuals who fell for social engineering?
 - What if its their first job and first day on the job?
- Do you stick with specific scope even if a Windows Server 2000 box has open RDP port outside of your external network scope?
- In heat of the moment, Associate Consultant, first day on the job, kicks off a Nessus scan against a segment outside the scope of the engagement
 - How do you report this incident to the client?
 - Who takes the responsibility?



SOLVING RIGHT VS. WRONG

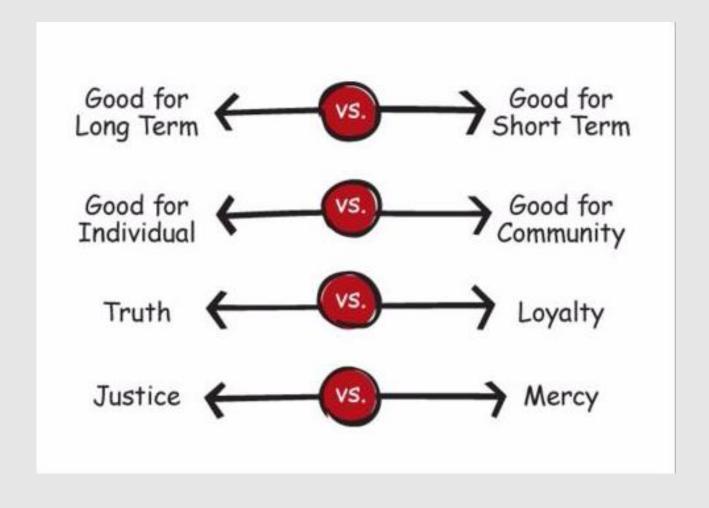
- Can be solved using scientific approach to problem solving
- Artifacts from a previous possible breach found on client systems
- Teammate stealing sensitive data from client systems and selling it to APT 28







RIGHT VS. RIGHT







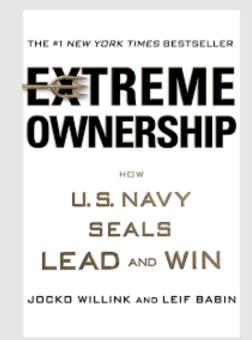
4 STEPS TO ETHICAL DECISION MAKING

- 1. Pick a plan that does most good and least harm
 - a.k.a Utilitarianism
- 2. Does it best serve other's rights, including shareholders' rights?
- 3. Can I live with it? Is it consistent with our basic values and commitments?
- 4. Is it feasible in the world as it is?





LEADERSHIP THROUGH EXTREME OWNERSHIP







LEADERSHIP

- Everyone here is a leader
 - Engagement Leads
 - Mentors
 - Researcher or blog post writer
 - Leading a team of 1 or many
- There are no bad teams
 - There may be challenging teams
- Lead by example
 - "Let me show you how to do it efficiently"
- Inspire, don't require
 - Don't be Bill Lumbergh



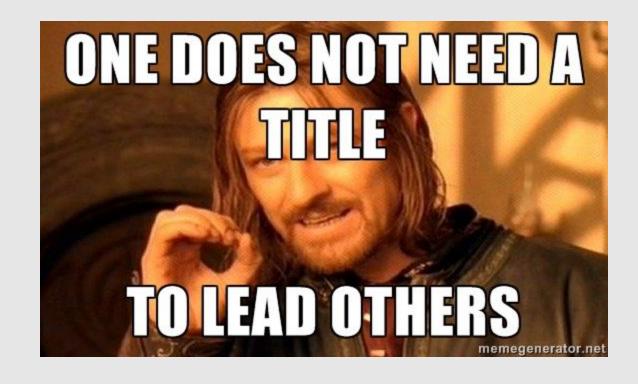


EXTREME OWNERSHIP

- Explain the "Why" behind the decision
- Get good at "information sharing"
 - Communicate upward and downward
- "Prioritize and execute"
 - Not all problems require the same priority
 - Delegate when you don't need to know personally
 - But avoid "Improvement overload"
- Keep it simple
 - Avoid complexity like a plague!











EFFECTIVE WRITTEN & VERBAL COMMUNICATION





EMAIL COMMUNICATION

- Avoid contracted forms
 - Do not > don't
 - We'll < We will
- Provide context
 - Don't just assume the recipient knows what you are talking about
- Provide detail but avoid verbosity (-v > -vvv)
 - Use bullet points where necessary
- Start the email with important information
- Title says it all
 - Subject: Please Respond Change of Scope
- Email == FYI
 - Call == I need this urgently





CONFERENCE CALLS

- Let the organizer know if you cannot attend
 - Have a good reason if it's a client call
- For client calls
 - Review any documents beforehand
 - Write down questions or bullet points you'll need to discuss
 - Be semi-formal
 - Use the "Mute" button ©
- Use an Agenda!
 - Every call has a "leader"
 - The call lead (e.g. PM) should ensure every topic gets its due time





THANKS

TWITTER: @HASHTAGINFOSEC

