







Social Engineering by Dominique C. Brack

Introduction
Security
(Information
Security) Stuff









Introduction

Security

(Information

Security) Stylish Pullish Pull

Speak Write Publish

Politicize
Volunteer
Mentor

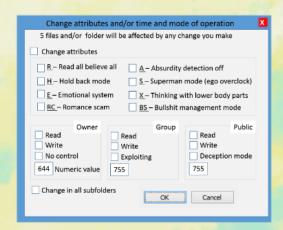
Hack & research and experiment

2-day not About Sounds a bit like a whatsapp breakup ;-)

chmod -R 755 /humanroot

Human

in



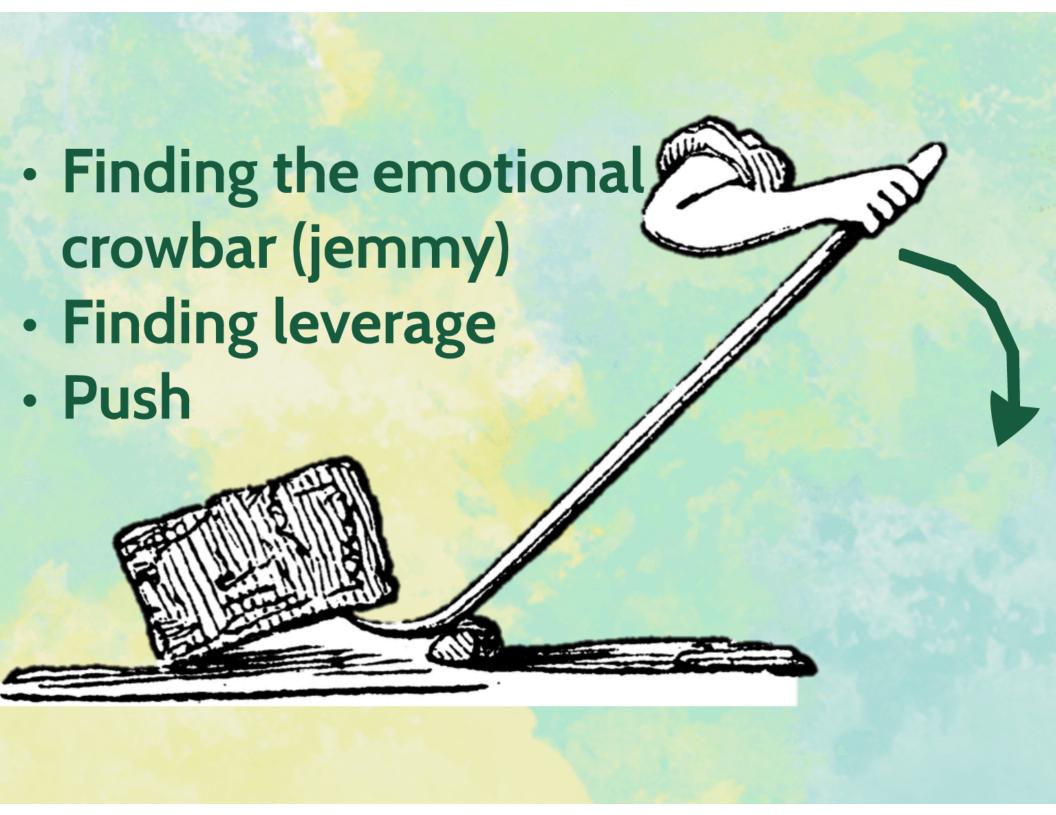


debug mode

X

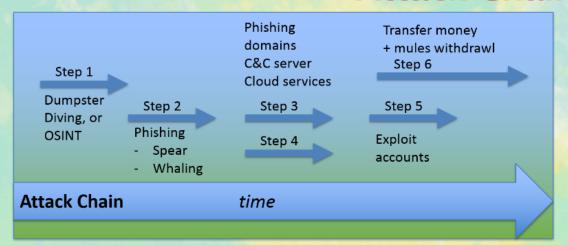
Change attributes and/or time and mode of operation

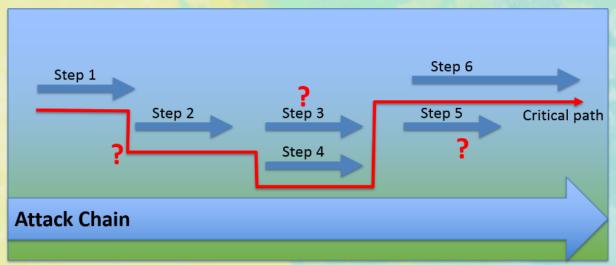
5 files and/or folder will be affected by any change you make Change attributes R – Read all believe all A – Absurdity detection off H – Hold back mode <u>S</u> – Superman mode (ego overclock) **E** – Emotional system X – Thinking with lower body parts RC - Romance scam BS – Bullshit management mode **Public** Owner Group Read Read Read Write Write Write No control Deception mode **Exploiting** 755 644 Numeric value 755 Change in all subfolders Cancel



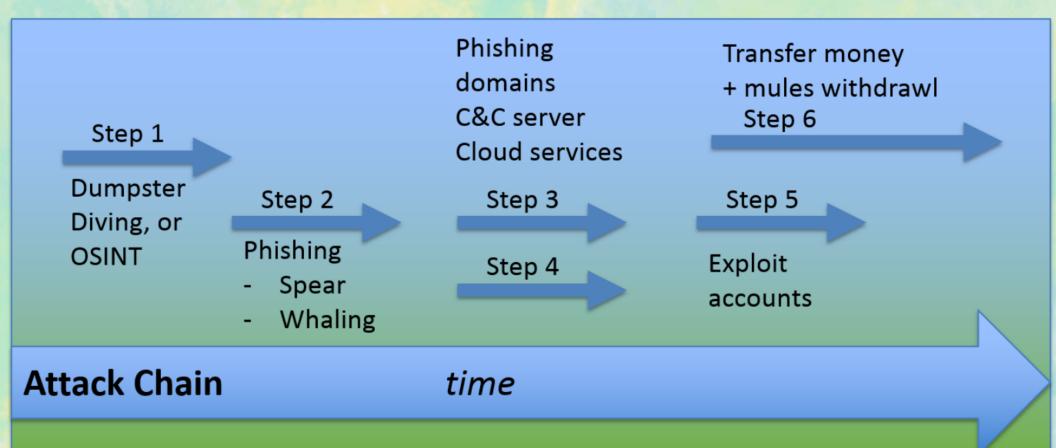


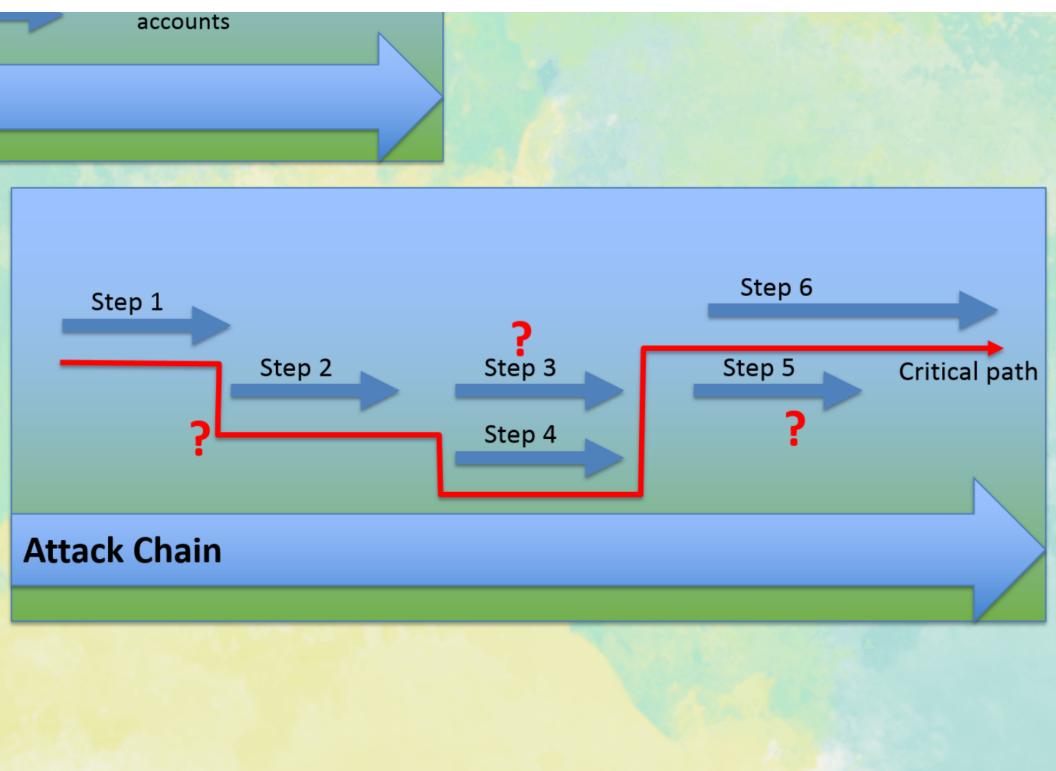
Attack Chain





Attack Chai





Social Engineering Engagement Framework SEEF

You will get the free ebook and the Icons too!

D.C. Brack and A. Bahram





SOCIAL ENGINEERING | FIRST | CUT

Structure and method for SE



"THE ELICITATION OF INFORMATION FROM SYSTEMS, NETWORKS OR **HUMAN BEINGS** THROUGH METHODS AND TOOLS"

SEEF definition of Social Engineering

Topics:

- SEEF Engagement Management
- Governance, Risk and Compliance and ++
- Intensity Levels
- Approach Selection Method (ASM)
- Attack Vector Development (AVD)
- Interpersonal Distance (Concept of space)



"THE INFO SYST HUM THRO AND



20'000 feet

Beware of motion sickness from sudden altitude changes.



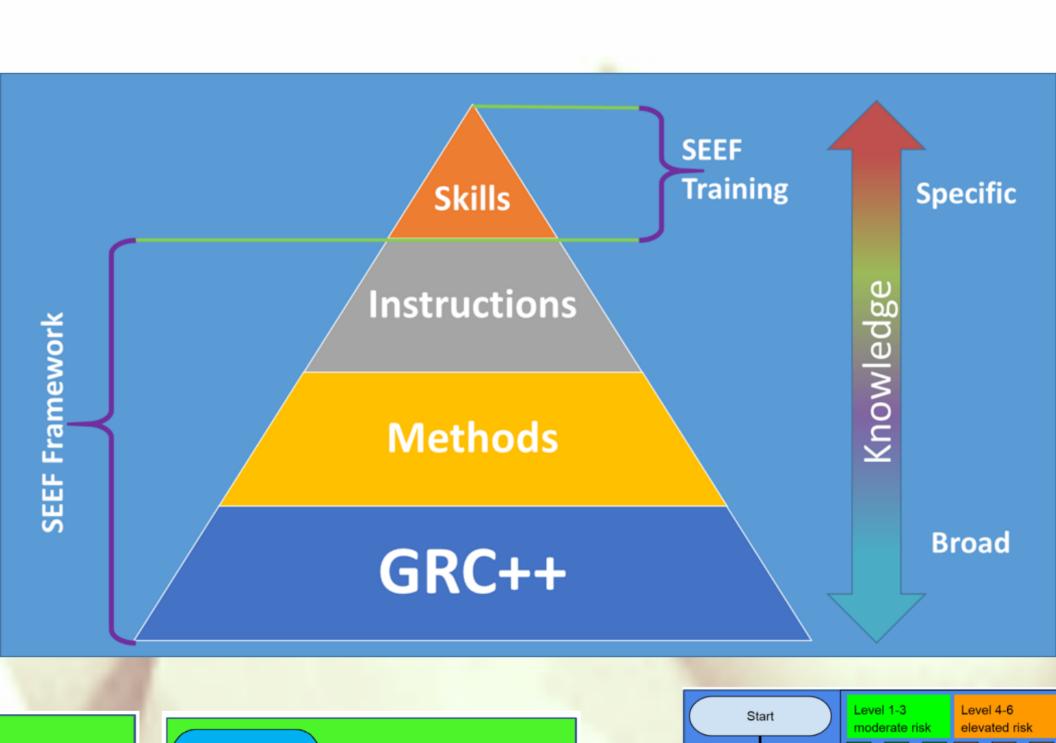
6 feet



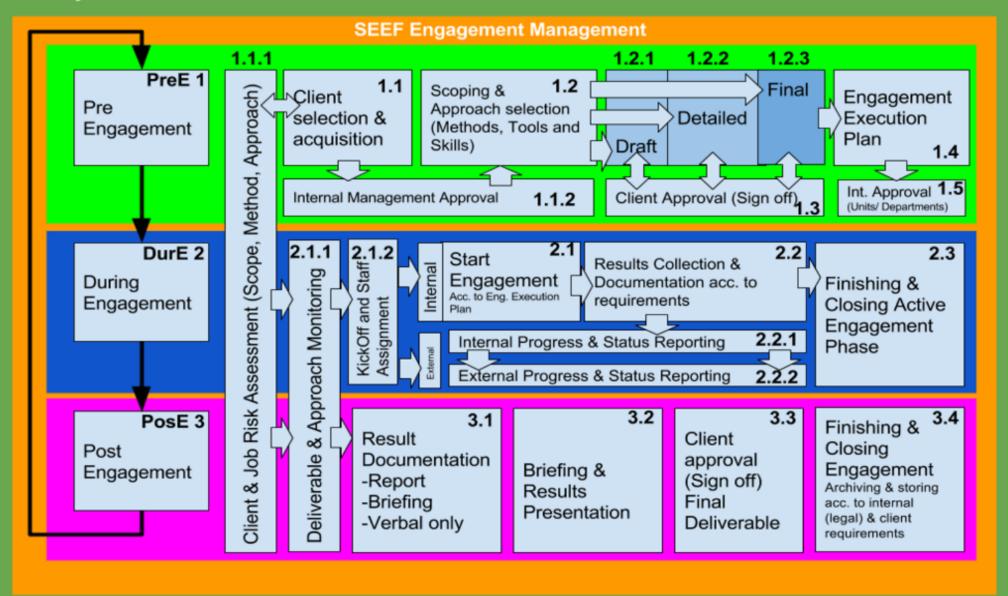
Those topics didn't made the cut.

- SEEF Framework
- SEEF Engagement Management
- Governance, Risk and Compliance (++)
- Approach Selection Method
 (ASM) & Approach Modelling

For completeness I will speedpresent them to you... 30sec each.



GRC++ Layer



Level 10-12

Governance, Risk and Compliance (GRC) ++

Governance

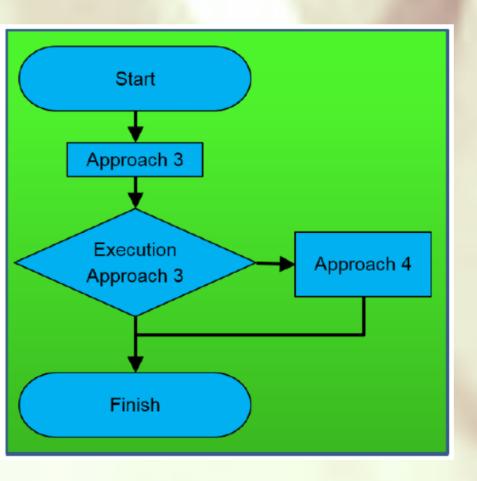
Risk Management

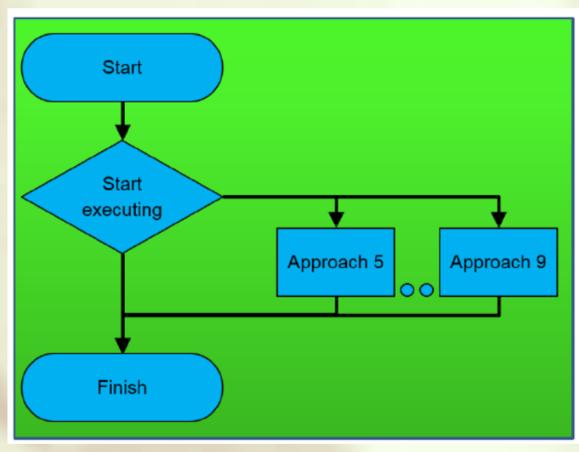
Compliance

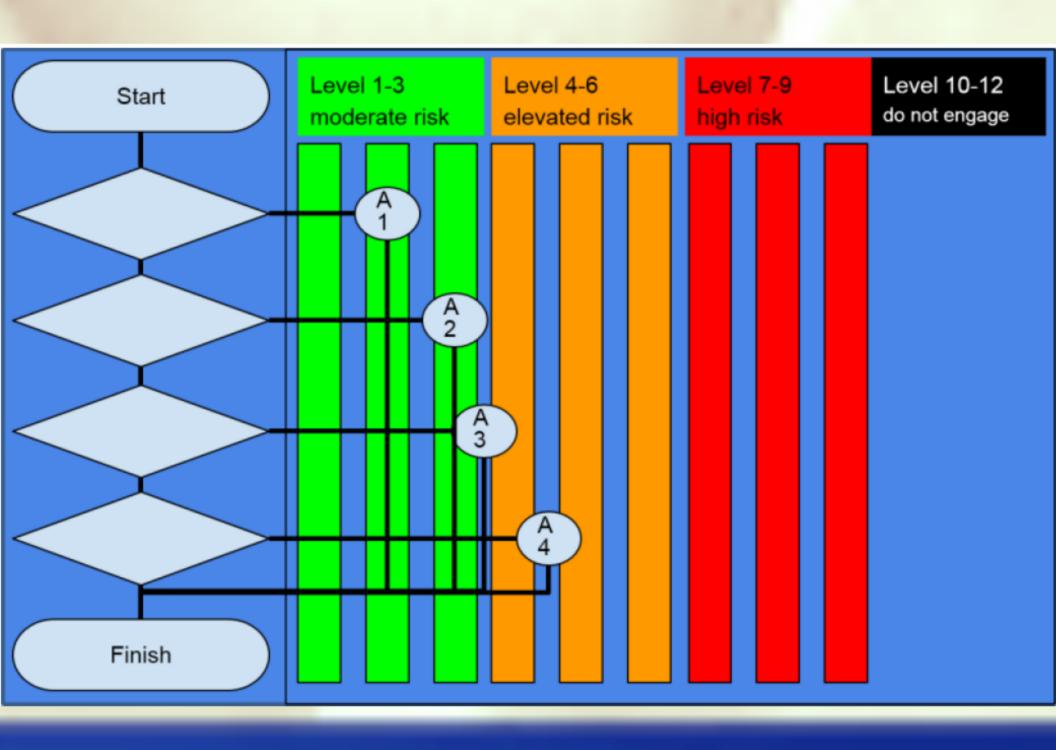
Intensity Levels Engagement Management

Ethics

Culture







Intensity Levels

Level	Risk Appetite, Possible Consequences and Techniques used	
1	Legal, non-invasive, OSINT	
2	simple, local or national, standard corporation	
3	preservation of person/ company integrity	
4	Invasive, intrusive, medium complexity, international, well known corporation	
5	Ethically questionable	
6	Occasional risk of Illegal (misdemeanours) activity, legal implications not known entirely	
7	Invasive, intrusive, highly complex, international, high profile political or medially present organization,	
8	Coercion, unethical, risk of collateral damages	
9	Illegal (felonies), active crime, bodily harm	
10-12	Highly illegal, treason, breach of international law, possible death sentence, cyber warfare, industrial espionage, cost of lives	

Level Risk Appetitis, consequences 1 Legal non-invasive, DSNT 2 minute, local or national, standard corporation 3 preservation of person's corporation 4 invasive, invasive, notium compleate, intervational, well known corporation 5 Ethically questionable 6 Oceasions intel of legal (mieldemeanours) activity, legal implications not known entirely 7 invasive, invasive, invasive, notium compleate, intervational, including invasive and intervational intervational, high profite political or modally present organization, 2 Coercon, unativous, rask of collatural damages 9 logal relations), active crime, bookly harm 1 logal relations), active crime, bookly harm 2 logal relations), active crime, bookly harm 3 less possible death sestences, cyber warfare, industrial explanage, cost of leves Signoff, approval, comment Engineer or specialist on the engagement can execute sessionable in the countries of execution. In the company interval sessors collected. Official formal sign of by the circumstance and progress. Legal advice required and mandatory intergence or separation progress. Legal advice required and mandatory intergence or security. 1 Ingal relation to through medium and progress. Legal advice required and mandatory intergence or security or security. 2 Coercon, unativous, read of collatural damages 3 Highly illegal, treeson, breach of intermational like, possible death sections, cyber warfare, industrial explanage, cost of leves. 3 Control of the company interval or security or s

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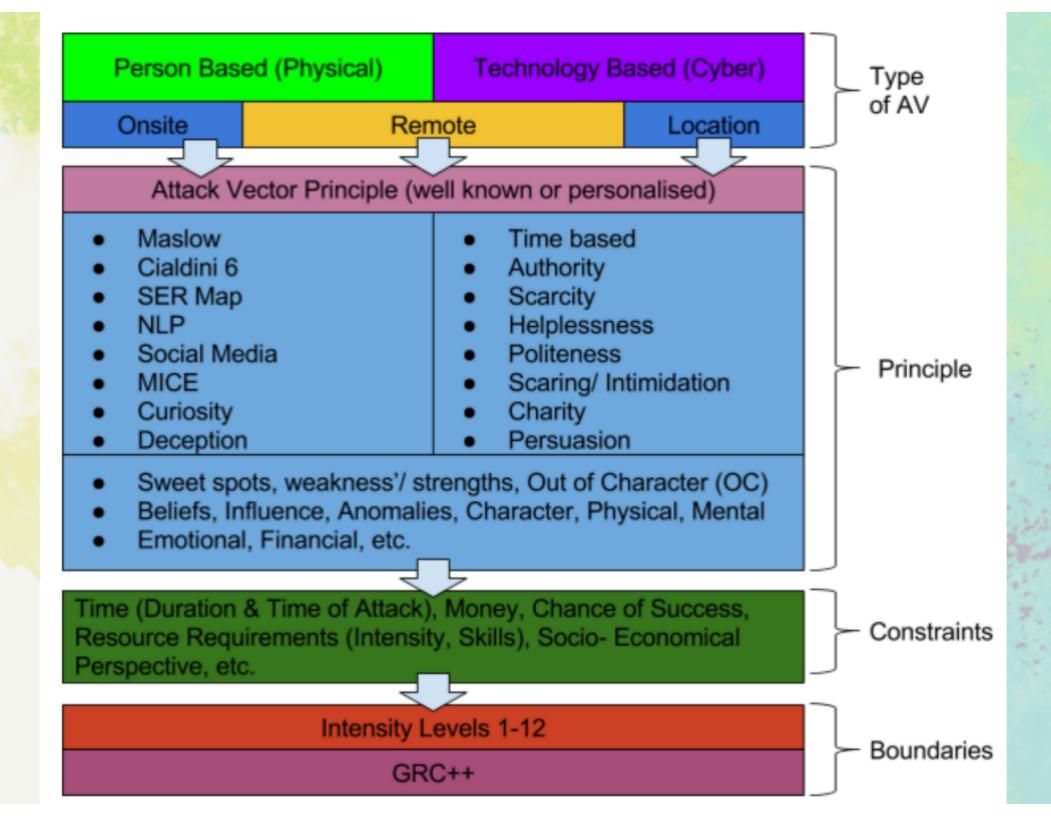
Level	Risk Appetite, consequences	Signoff, approval, comment	
1	Legal, non-invasive, OSINT	Engineer or specialist on the engagement can execute	
2	imple, local or national, standard corporation assign	assigned tasks on his own after his tasks have been released	
3	preservation of person/ company integrity	for execution. Use own staff. Simple tasks i.e. OSINT can be outsourced. Risk to be assessed by engagement manager.	
4	Invasive, intrusive, medium complexity, international, well known corporation	Tasks have to be signed off by the responsible project manager of the engagement. Risks have to be mitigated or respective	
5	Ethically questionable	assurances collected. Official formal sign off by the client	
6	Occasional risk of Illegal (misdemeanours) activity, legal implications not known entirely	management. Definition of a contingency plan. Instruct team about identified risks. Compartmentalize tasks and split risk. Only Senior resources. Constant monitoring of status and progress. Legal advice required and mandatory. Engagement to be approved by two company directors.	
7	Invasive, intrusive, highly complex, international, high profile political or medially present organization,	If during the engagement you have been reached higher levels try to mitigate immediately to acceptable levels. Stop continuation of risk loaded tasks. Immediately stop the	
8	Coercion, unethical, risk of collateral damages	engagement. Offer active support to investigating authorities. Obligation to report discovered crime. Compartmentalize engagement from company resources. Use of outsourcing contracts for execution.	
9	Illegal (felonies), active crime, bodily harm		
10-12	Highly illegal, treason, breach of international law, possible death sentence, cyber warfare, industrial espionage, cost of lives	DO NOT ENGAGE! DO NOT ENGAGE!	
		WALLEY TO THE PARTY OF THE PART	

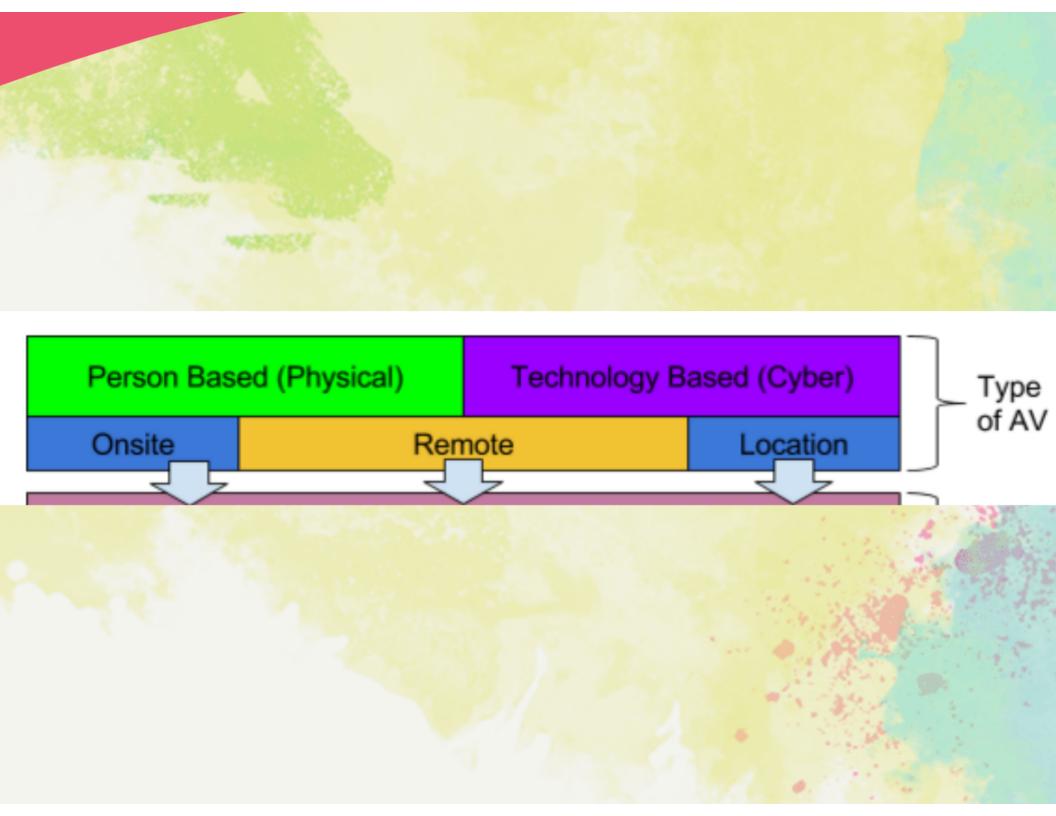
Attack Vector Development (AVD)

Anything can (and will) be used as an attack vector (AV) against you!

You have the right to use no consultant. If you cannot afford a consultant, one will be provided for you at exorbitant costs.

- faithfully yours skills shortage



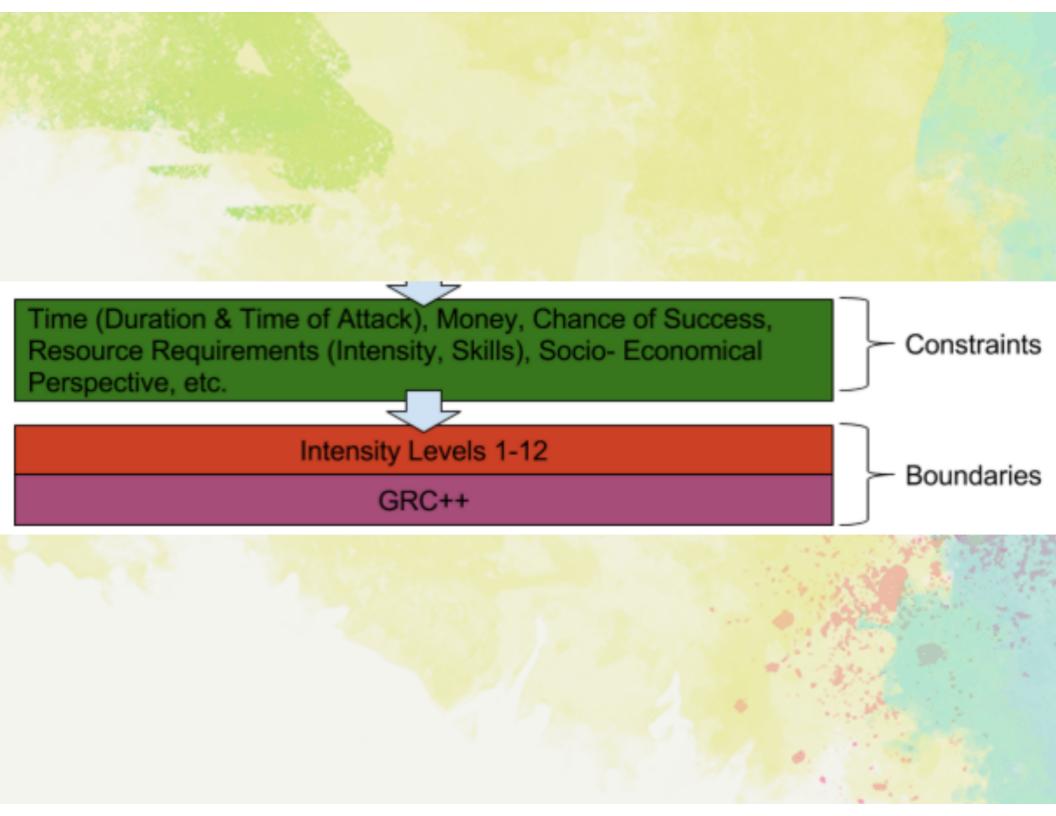


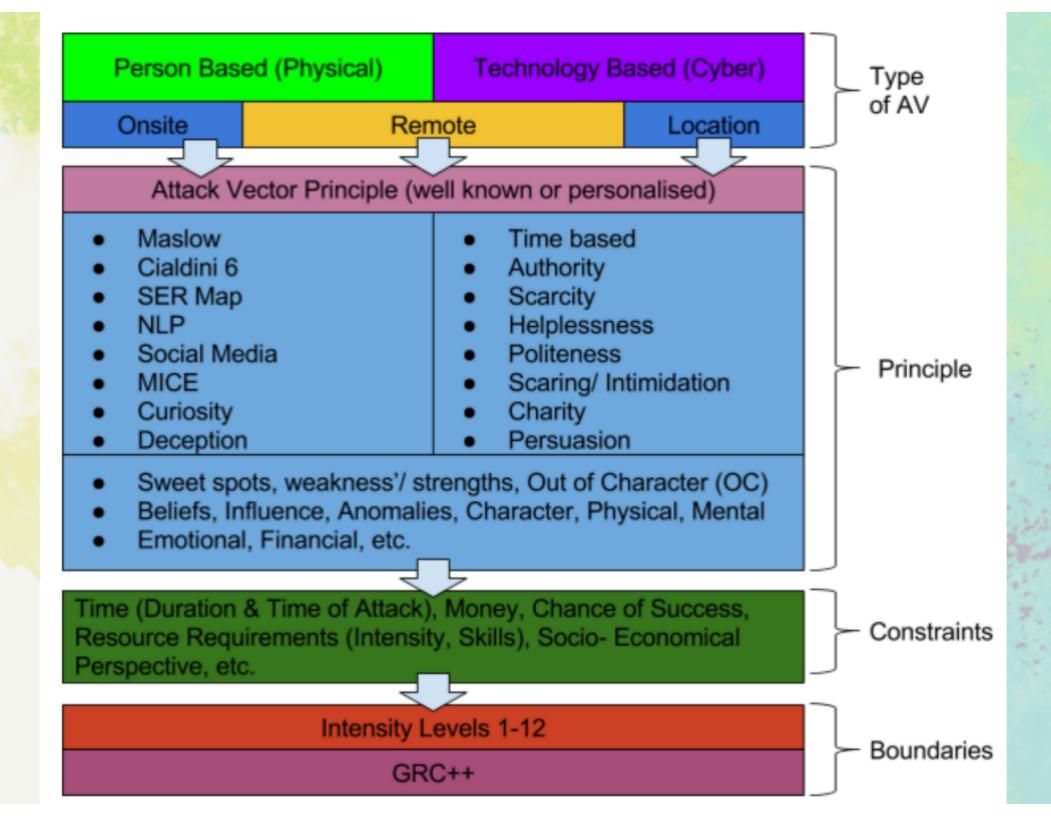
Attack Vector Principle (well known or personalised)

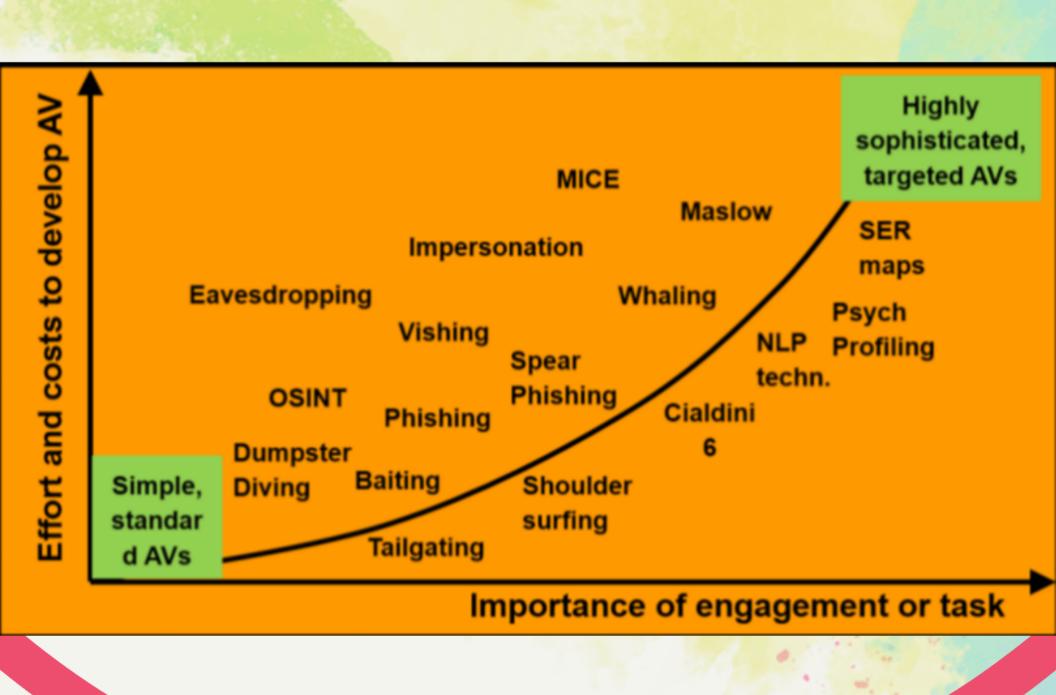
- Maslow
- Cialdini 6
- SER Map
- NLP
- Social Media
- MICE
- Curiosity
- Deception

- Time based
- Authority
- Scarcity
- Helplessness
- Politeness
- Scaring/ Intimidation
- Charity
- Persuasion
- Sweet spots, weakness'/ strengths, Out of Character (OC)
- Beliefs, Influence, Anomalies, Character, Physical, Mental
- Emotional, Financial, etc.

Principle









you gotta dig bick. you that read wrong.

You read that wrong too...

I got a pet wussy.

you that read wrong.

You read that wrong too...

S	D
Ι	K
U	С
М	Υ



Depending on what you have been reading you should seriously consider additional testing.

For example based on the Rohrschach Inkblot test.

What do you C here?

How does this make you feel?

Going back to normal... Standard AV examples



Eavesdropping

Description: Eavesdropping is secretly listening to the verbal or digital communication of others through wiretapping or the interception of e-mail and cell phone calls.

Intensity Level: Eavesdropping can be done within acceptable intensity levels (green, levels 1-3) if rules are followed. Wiretapping is very delicate and can easily reach intensity levels 6 and above.

GRC++: Federal law allows recording of phone calls and other electronic communications with the consent of at least one party to the call. Twelve states, including California, require the consent of all parties to the call under most circumstances.

Tailgating

Description. Talgating is when an employee opens a door and then holds it cope for others who are following time. This could include visitors without badges, see personnel with spare partics or the passive acceptance of a uniformed worker. It can also occur eventfly when a person waits after the door has been oppred by legitimate employee and then slips in or bloods, the door just be lose the door claims.

Intensity Level: Talgating can be done within acceptable intensity levels (green, levels 1-30) is pecified in less are followed: Balgating can be done within acceptable intensity levels (green, levels 1-31) if specified in less are followed, which only include working on politieness and speed without coercion, forcing entry or the stealing of access cards or receivable.

GHC-**: The "Language requires crystals clear in-structions about the behavior at boundarian to calle in expected to act in. Their mad be instructions about the when and to whom the identity will be executed. This could be planned as an open book exercise with the Innovidedge of the clean and security staff. Or a closed book exercise with no none informed beforehand.

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Iailgaliig

Description: Tailgating is when an employee opens a door and then holds it open for others who are following him. This could include visitors without badges, tech personnel with spare parts or the passive acceptance of a uniformed worker. It can also occur covertly when a person waits after the door has been opened by a legitimate employee and then slips in or blocks the door just before the door closes.

Intensity Level: Tailgating can be done within acceptable intensity levels (green, levels 1-3) if specified rules are followed. Tailgating can be done within acceptable intensity levels (green, levels 1-3) if specified rules are followed, which only include working on politeness and speed without coercion, forcing entry or the stealing of access cards or credentials.

GRC++: The "tailgatee" requires crystal-clear in-structions about the behavior and boundaries he or she is expected to act in. There must be instructions about how, when and to whom the identity will be revealed. This could be planned as an open book exercise with the knowledge of the client and security staff. Or a closed book exercise with no none informed beforehand.



Tactics and Experience



is not the same (obviously)





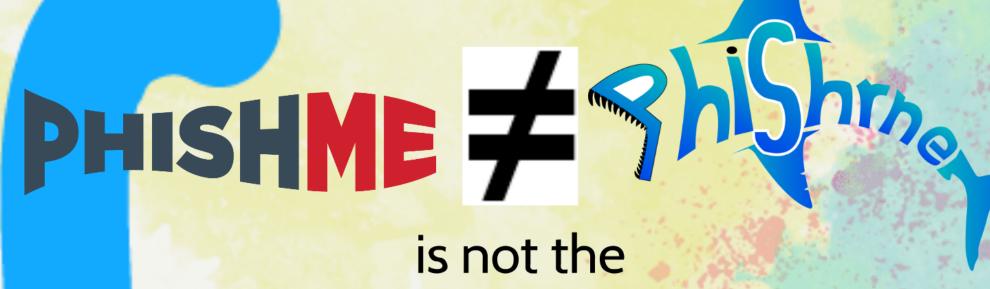


Facts & Figures

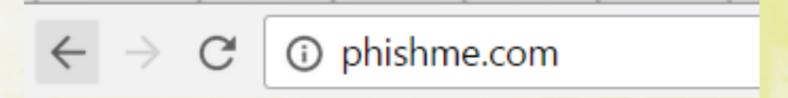
- We have >20'000 users
- We test monthly sending to blocks of -320 users
- 110 clicked on the link
- Only 16 reported the phishing email (me
- of course)
- First click after about 6 minutes
- Some clicked multiple times!!!







s not the same (obviously)



Wow very the same



Homographic attack...
--> Shark eats little fish.

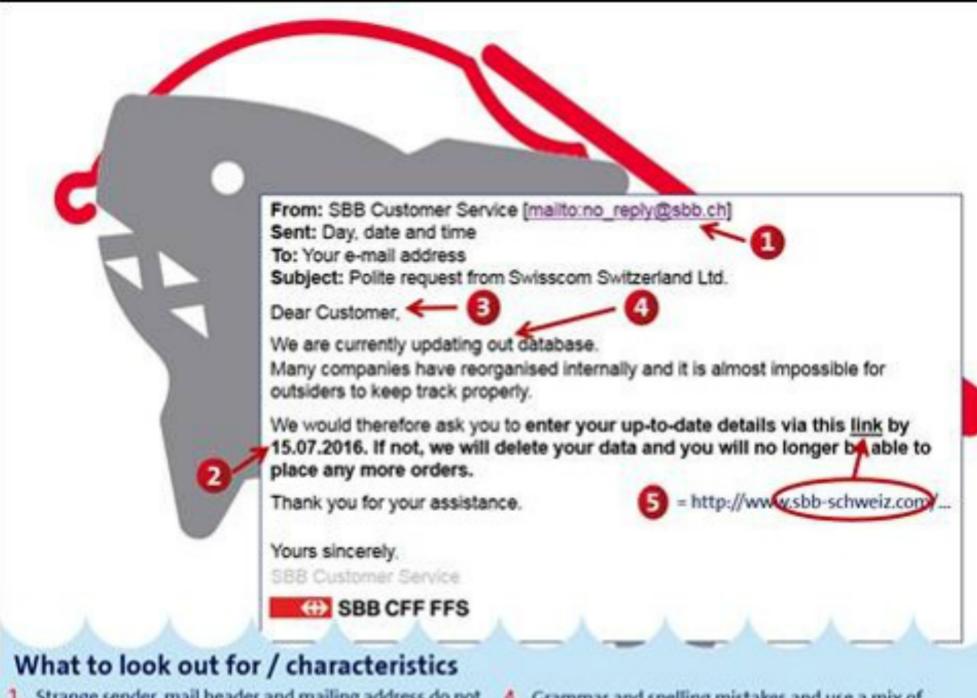
We used this technique too for our phishing campaigns.



Facts & Figures

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- Strange sender, mail header and mailing address do not match the alleged sender
- Urgent need for action
- Impersonal address

- Grammar and spelling mistakes and use a mix of language
- 5. Fake links
- 6. Use of uncommon descriptions

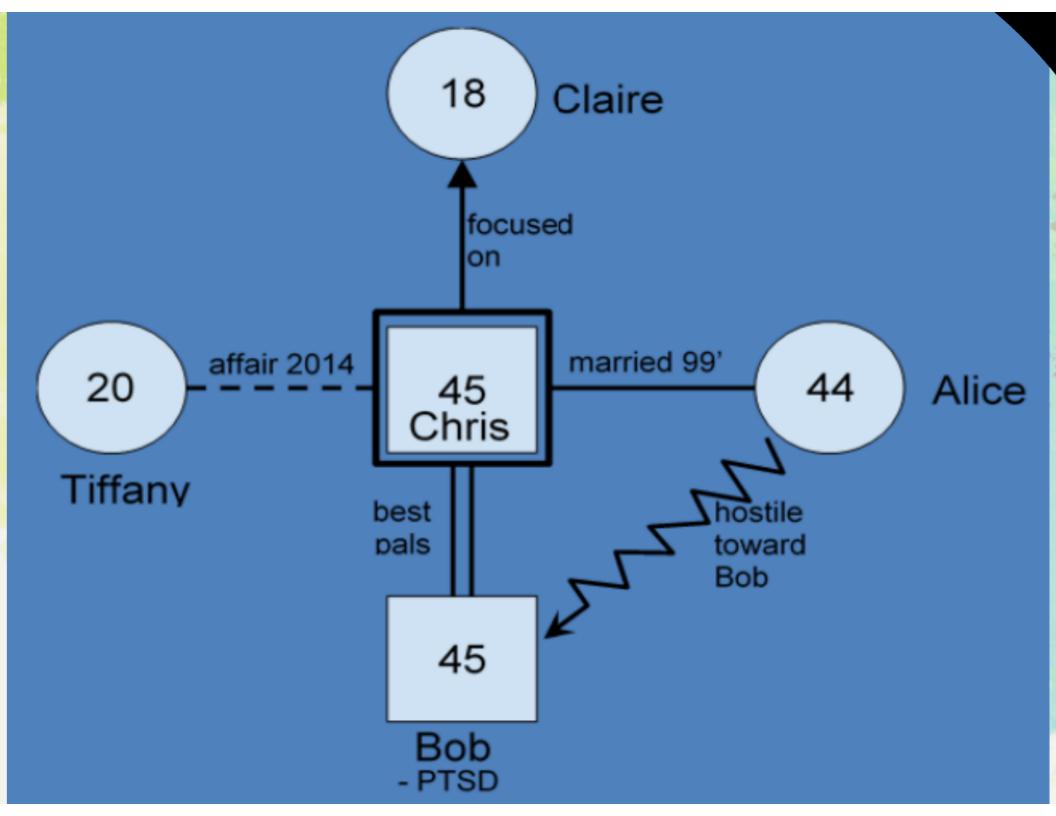
Advanced AV examples

- 1.) Pattern recognition
- 2.) Out of character (OC) behavior
- 3.) Emotionally loaded areas
- 4.) Incongruency in personal and business life
- 5.) Strong or highly developed areas
- 6.) Weak or underdeveloped areas

Social and emotional relationship (SER) map

Pattern recognition: Since Chris had an affair with 20year-old Tiffany, in addition to the focus he shows toward 18-year-old Claire, there is a possible fixation on young women. Chris would eventually respond well to phishing emails with pictures of young girls and contact requests over social media based on young women.

Emotionally loaded areas: Alice, Chris' wife, is hostile toward Bob, Chris' best pal. Tiffany, Chris' affair from 2014, might hold a grudge against Chris and could act as an information repository. Bob could be used to gain information about Alice and ultimately about Chris.

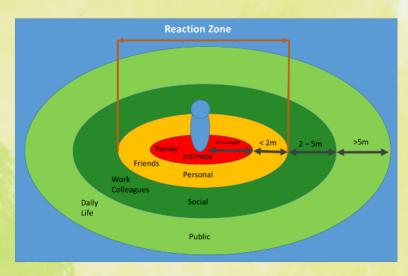


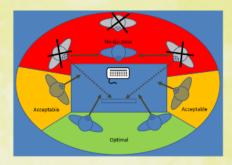
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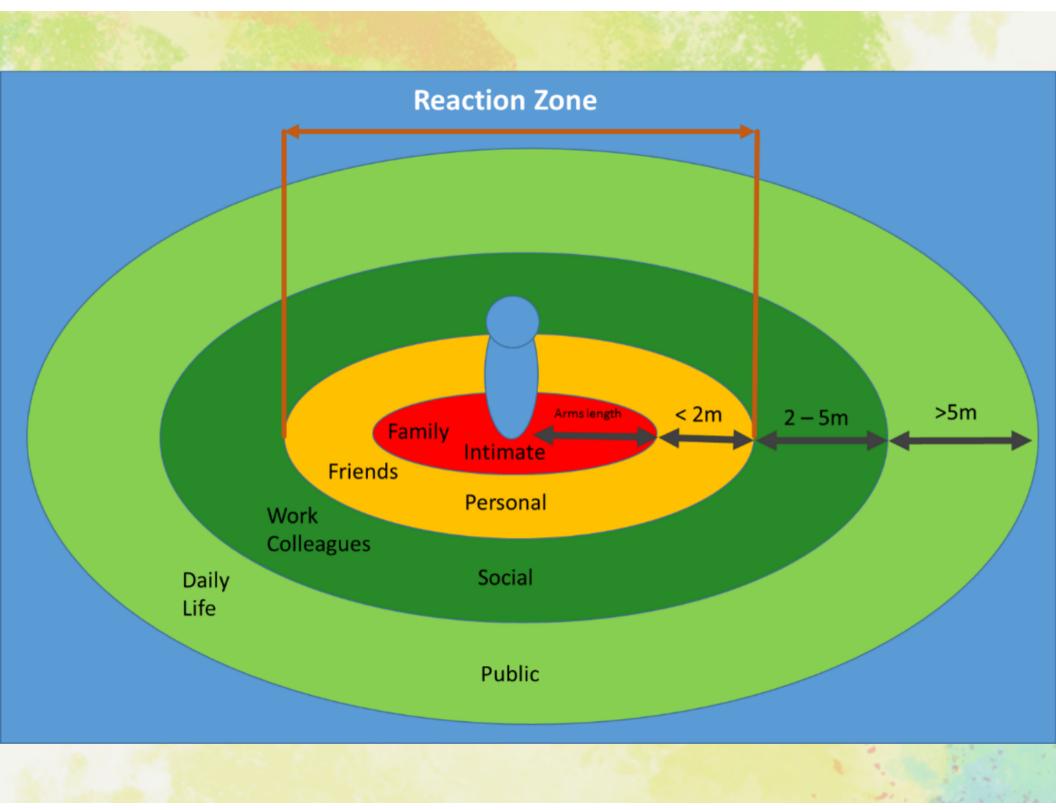
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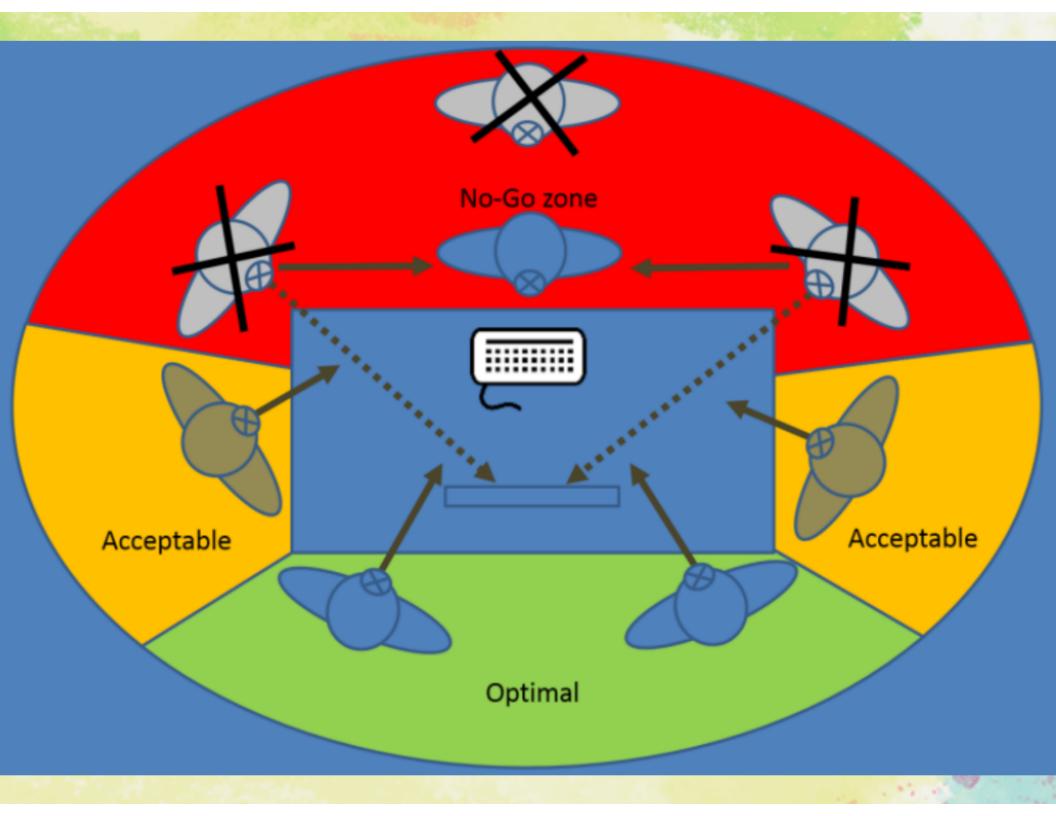
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Interpersonal Distance (Concept of space









https://www.xing.com/profile/DominiqueCedric_Brack

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First name, last name and email is required (use a valid (for U accessible) email you will get the eBook sent there...)



Micro Expressions

Micro expressions are very brief facial expressions, lasting only a fraction of a second. They occur when a person either deliberately or unconsciously conceals a feeling.

Sadness, Surprise, Anger, Disgust, Fear, Contempt

www.paulekman.com/microexpressions/ i.e «Lie to me» TV series

Guess the expression













Sadness, Surprise, Anger, Disgust, Fear, Contempt

Guess the expression













Toolbox

SE's use tools too. Although seen by some as the "unskilled" little brother of real hackers.

- Shoes (redteaming)
- Superglue
- Welding 2 component
- Hook
- Glasses
- Hand cuff key
- etc.

Tech equipment (Hack 5 i.e.):

- WiFi Pineapple NANO
- LAN Turtle
- USB Rubber Ducky Deluxe

P.S: Your SE knows how to place them with a smile...