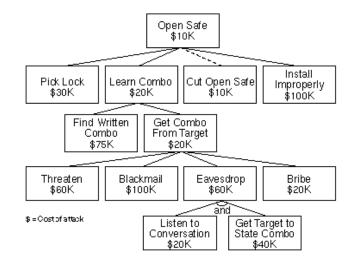
GraMSec June 22nd 2020:

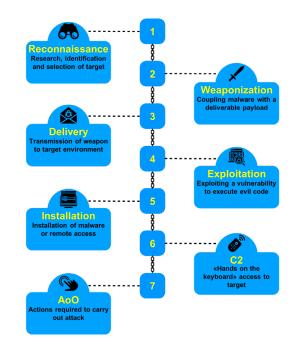
Breaking the cyber kill chain by modelling resource costs



Resource Cost Model (RCM)

Attack trees + Kill Chain Analysis

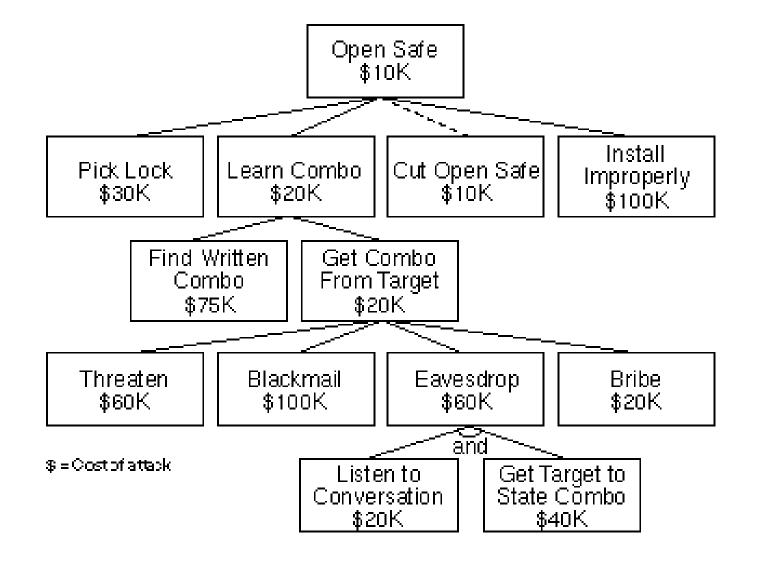




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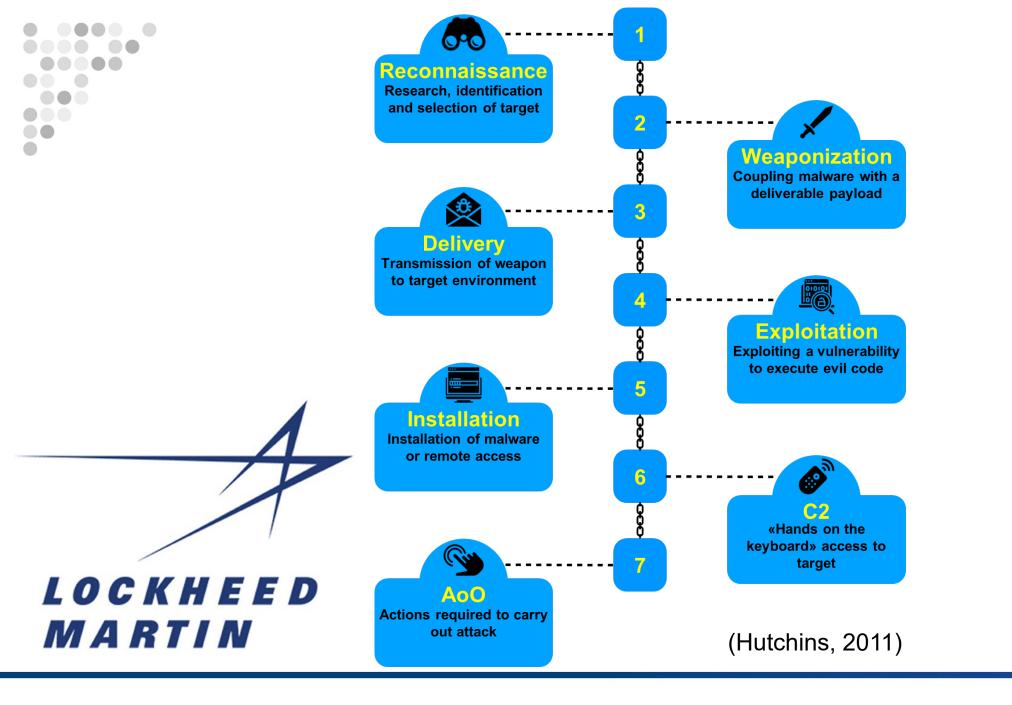




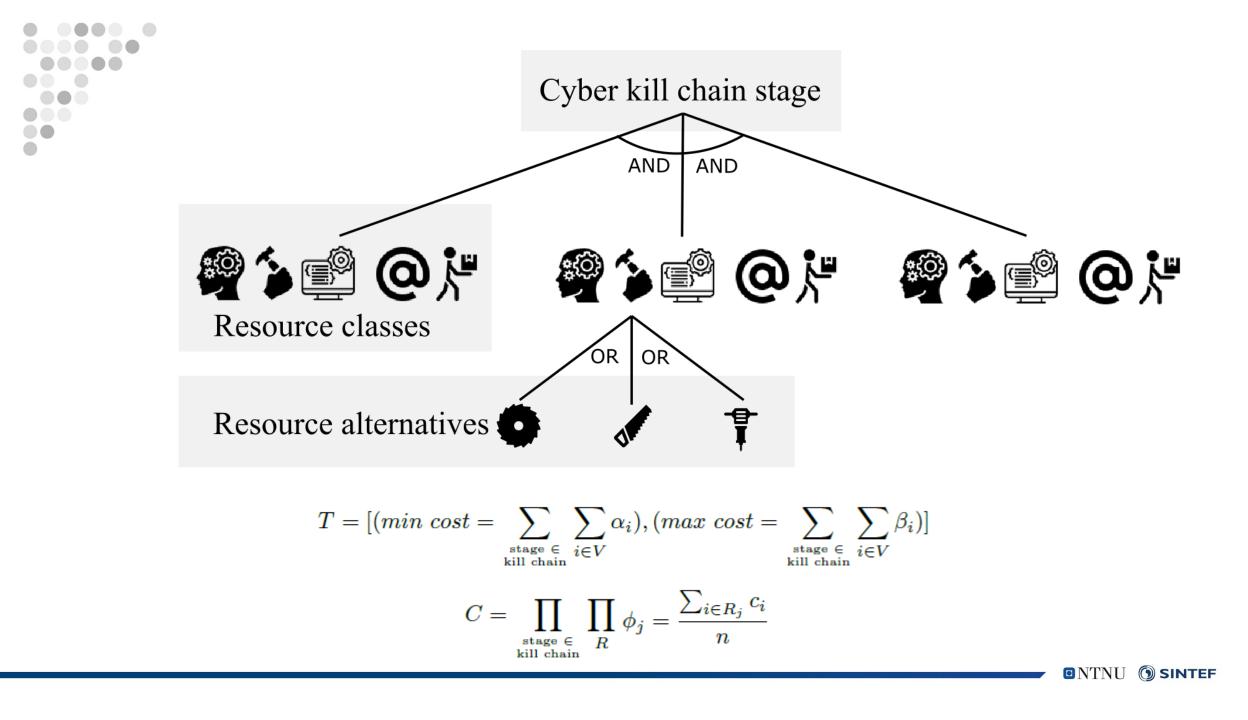


(Schneier, 1999)





DNTNU **(5)** SINTEF





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Image source: Wikimedia commons



IRCM	Info	Attacker Profiles
Model info		
Title: EC	DIS update atta	ack
Descripti		
Cost inte	rval: [\$0, \$0]	
Confiden		
Motivatio	on: 0 hours - Th	he attack is estimated to require a time investment of 0 hours
	skill level: No	
		The attack can be realized with only legally available resources
		The attack does not require any non-public access level
Probable attacker profiles: Script Kiddie, Hacktivist, Vandal, Petty Criminal, Mobster, Cyber Warrior, Terrorist, Internal - Hostile, Internal - Non-hostile,		
Edit mode	linfo	







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IRCM tool demo









Key findings

- Attacks are seldom free
- Cost modelling useful when there is a lack of incident data
- RCM most accurate with specific attacks
- Work-in-progress, promising feedbacks so far





