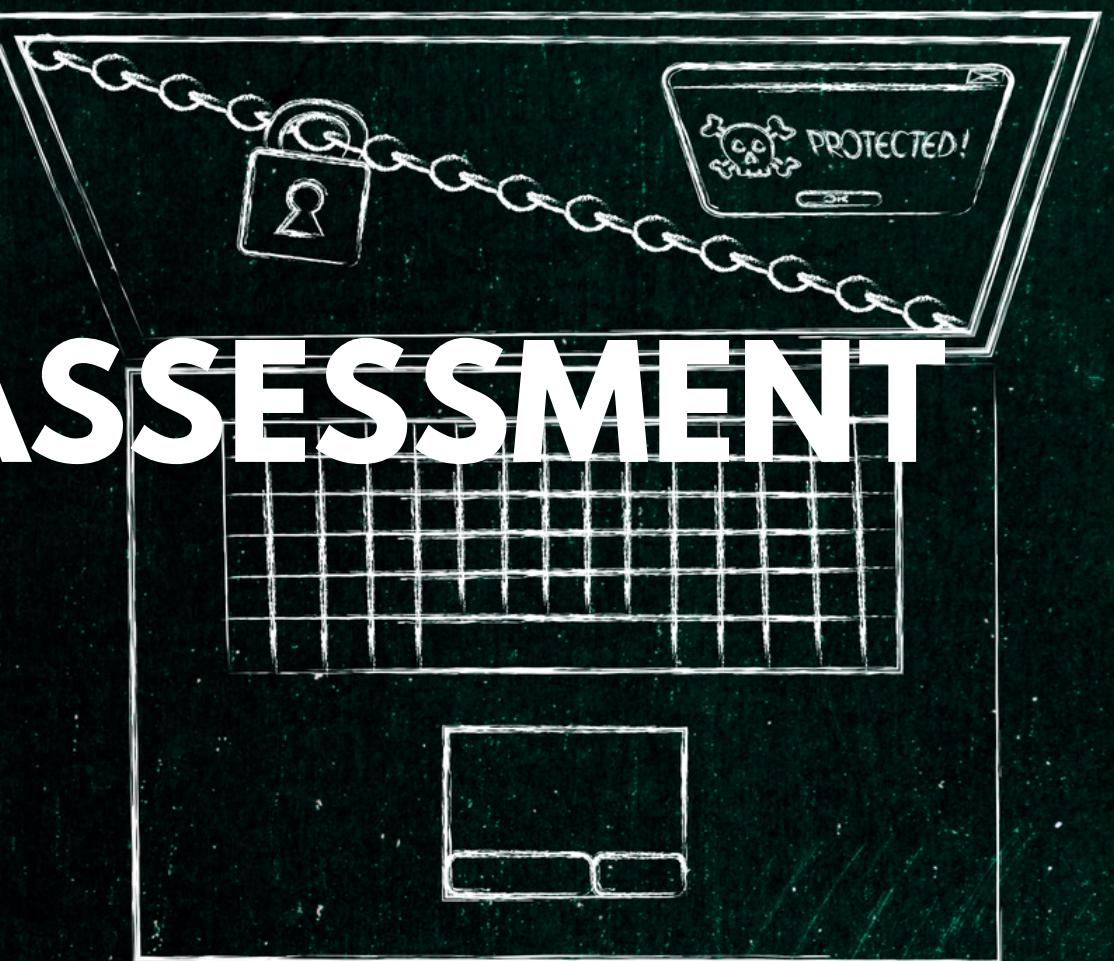


# THREAT MODELLING vs RISK ASSESSMENT



# Threats vs Risks

Threat **IS NOT** a vulnerability

Threats can exist even when there are no vulnerabilities



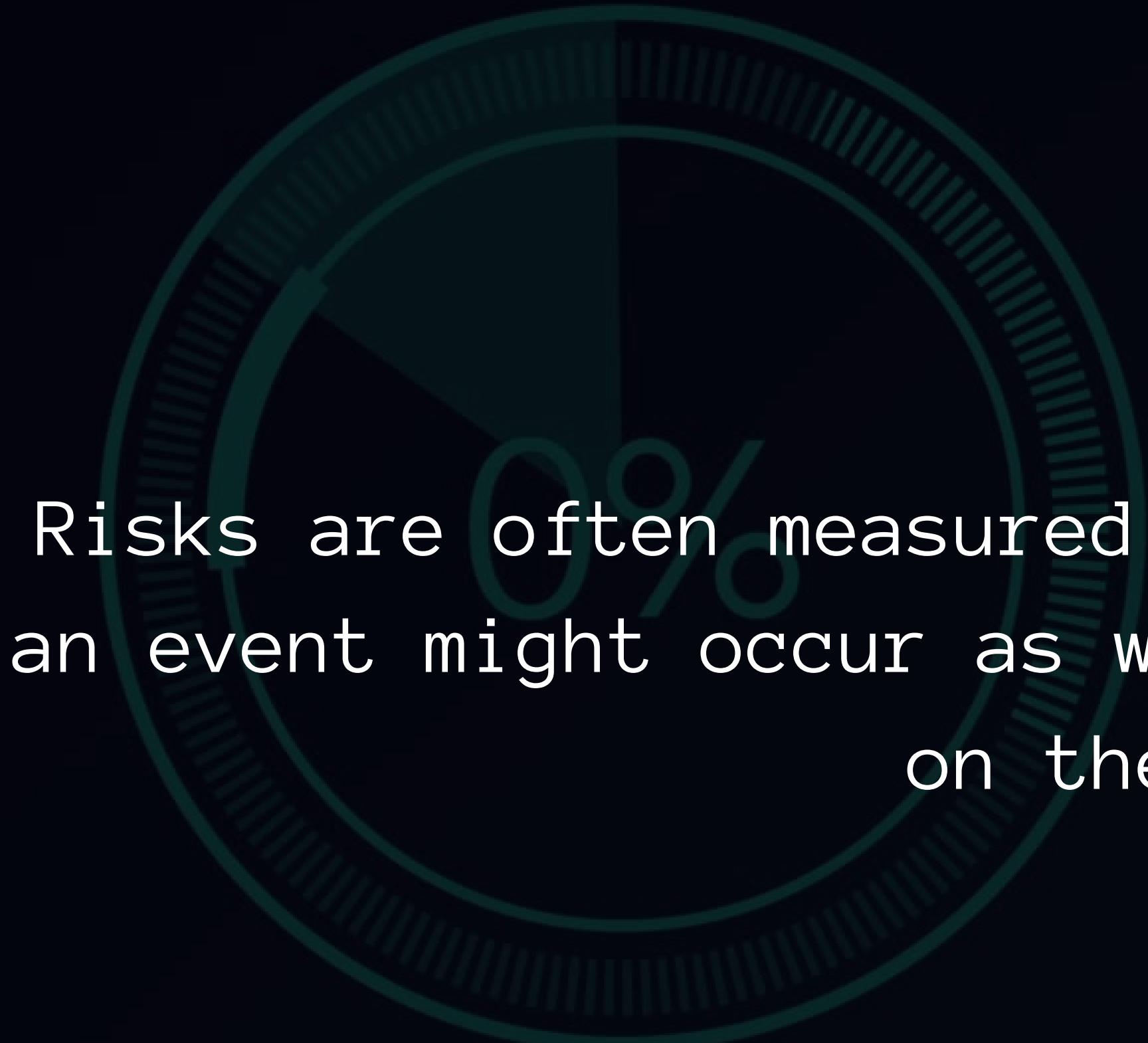


# Threats vs Risks

Threats can exist without risks but a risk needs an associated threat to exist



# Threats vs Risks



Risks are often measured based on the **probability** that an event might occur as well as the impact of the event on the business.

1010011011010001110010000  
1000010010111100110111110  
0000011111000111101110111  
0111001111001111111111111  
001100001101001110010000

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z  
A S D M N B Z X C U Y T C Z P  
P A F G H M N L D H D Y C F K  
M C H F B J Y C U R L C K D Q



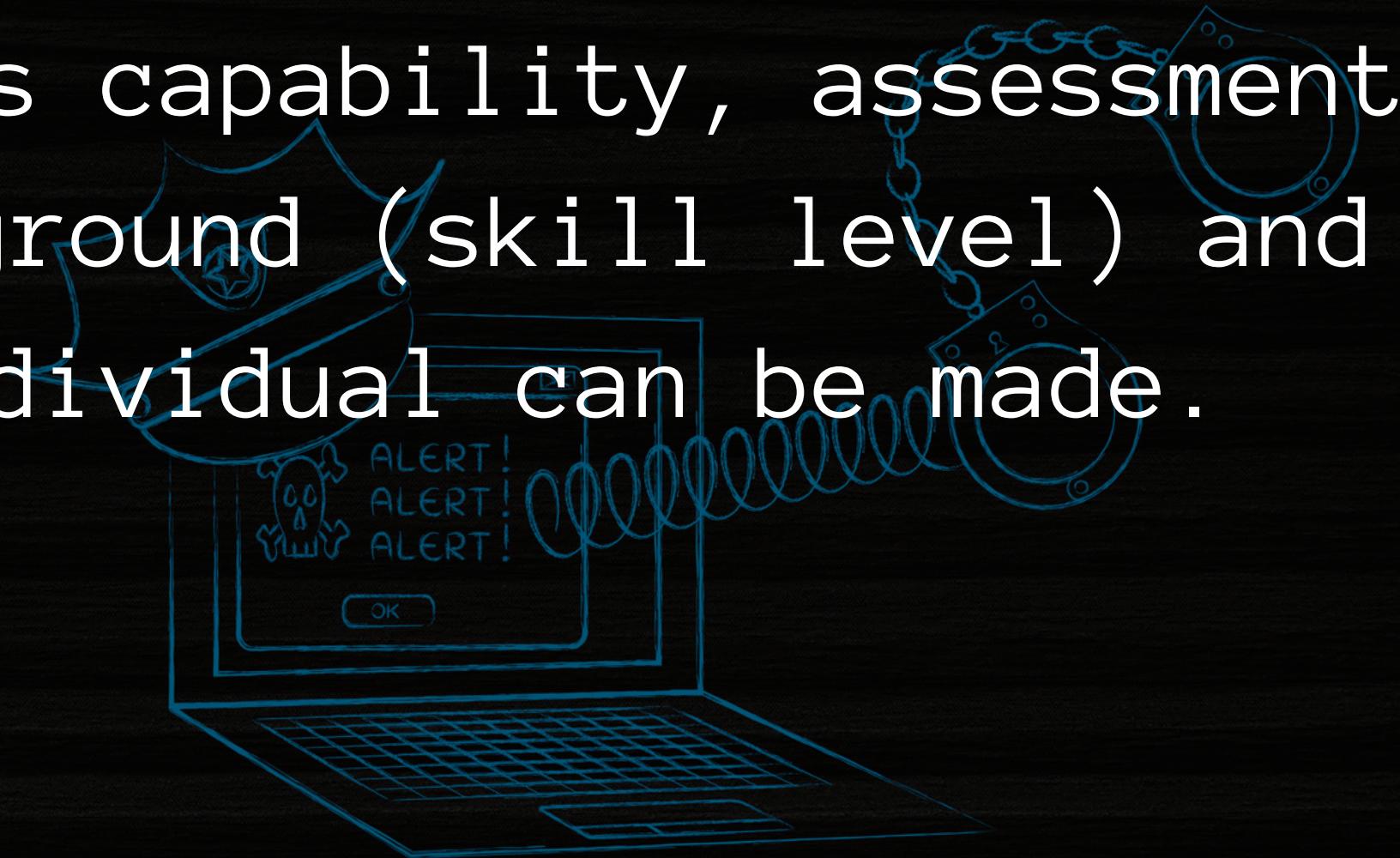
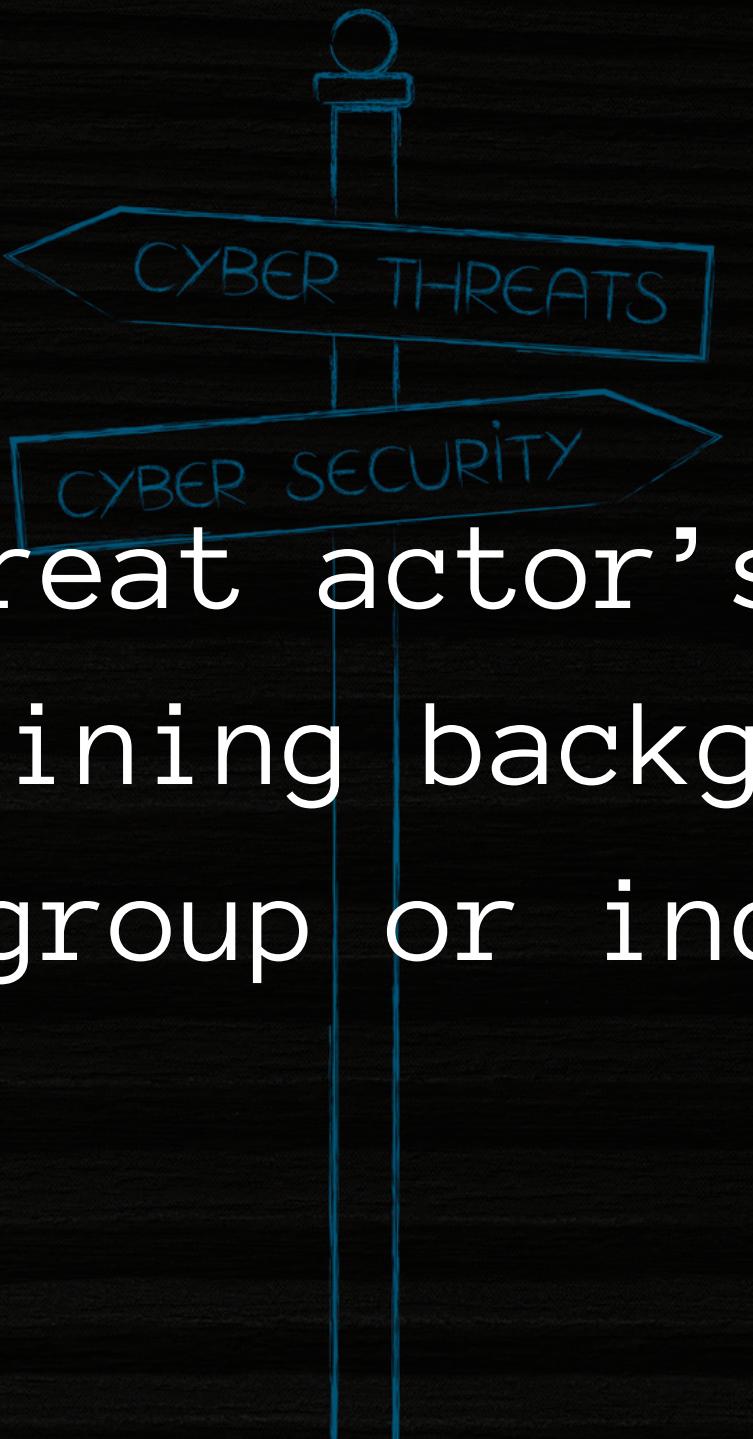
# Threats vs Risks

Threat assessment is the combination of a threat actor's **intentions** to harm combined with an assessment of that actor's **capability** to carry out those intentions.



# Threats vs Risks

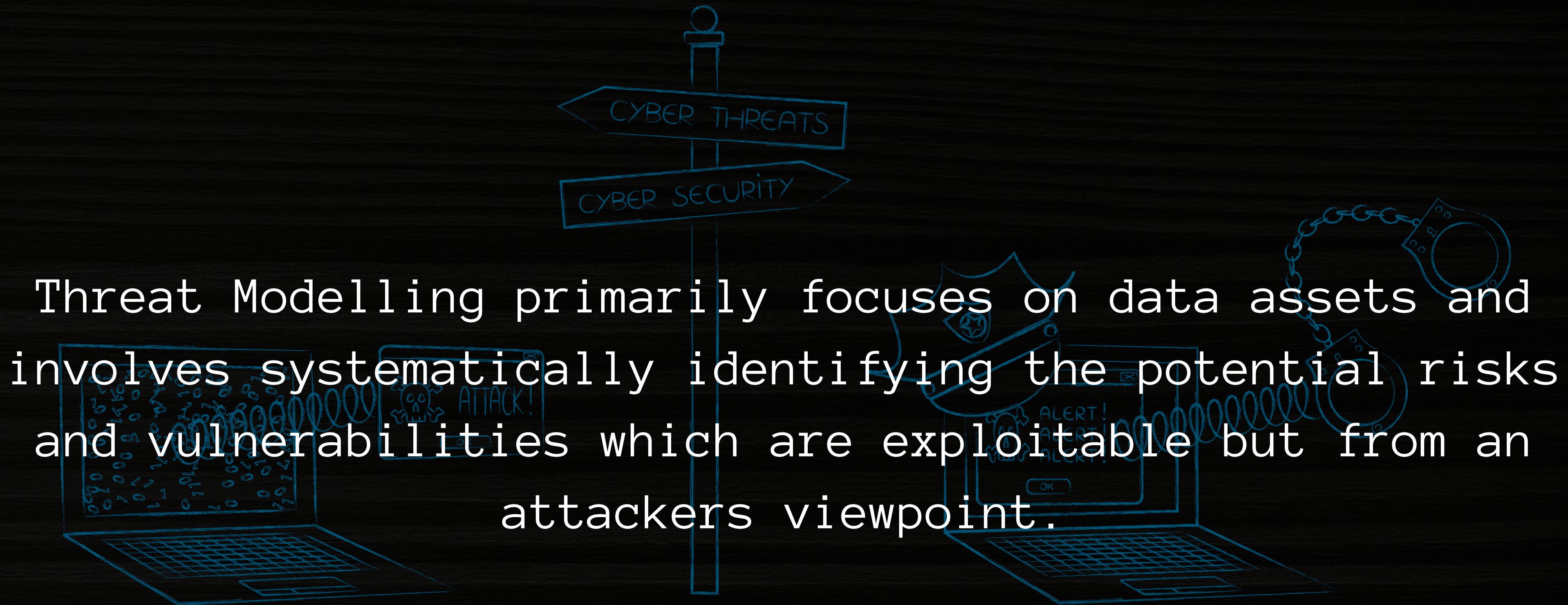
To determine the Threat actor's capability, assessments of the actor's training background (skill level) and whether it is a group or individual can be made.



# Threat Modelling vs Risk Assessment



# Threat Modelling vs Risk Assessment



# Threats vs Risks

Risks are **event** focused  
(the database server goes down)

Threats focus on **intentions**  
(a hacker wants to take down the database server)



# Threat Modelling vs Risk Assessment

Threat - Can someone destroy our data?

Risk - What is the probability our data can be destroyed?

