

WHERE DO MALICIOUS ACTORS LEARN THEIR SKILLS?

WHERE DO MALICIOUS ACTORS LEARN CRIMINAL SKILLS?



On their own



Through social learning



By reading tutorials and guides



On Public Online Forums



From people they know in real life



On Private
Online Forums

WHAT ARE THE STAGES OF KNOWLEDGE CREATION?



TRIGGERINGA participant asks a public question.



EXPLORATIONParticipants offer possible solutions to the question.



INTEGRATIONParticipants test out possible solutions.



RESOLUTIONThe best solution is presented to all participants.

KNOWLEDGE CREATION ON PUBLIC AND PRIVATE FORUMS

PRIVATE FORUMS are difficult to investigate and monitor due to access restrictions. How important is it to monitor private forums to understand where malicious actors learn their skills?



Threads on public forums reach resolution stage in 8% of the time vs 37% for private forums



Possible solutions are only tested 11% of the time in public forums; 4 times higher on private forums

WHAT IS THE TIME TO KNOW ON FORUMS?

Time is of the essence for malicious actors. The time between asking a question, and designing the optimal solution is slow on public forums.



on average on **public forums**



on average on private forums

ECOSYSTEM FRAGILITY



.37

PUBLIC FORUMS: COEFFICIENT OF 0.08 | PRIVATE FORUMS: COEFFICIENT OF 0.37

The GINI coefficient is the accepted method to measure the concentration of power in a community.

• A coefficient close to 0 means that all power (knowledge creation) is concentrated in a single person

- A coefficient close to 1 means that all power (knowledge creation) is distributed across many participants
- A low coefficient means a forum is vulnerable to attacks if their powerful contributor leaves the forum.

EXTENDING COVERAGE TO PRIVATE FORUMS



A good digital risk protection service should cover private forums.



Private forums are more stable settings, and worth the time and resource investment.



Private forums are where more knowledge is created.