

Activity File: Security Challenge #1 - Attacking the Wall

In this activity, you will look at various attack strategies that hackers can use to penetrate an insecure login.

- You and your team have just been hired by a very successful startup, Bitcoin Dating Exchange.
- While their founding team is brilliant, like many startups, they don't know the first thing about security.
- They just handed you a ton of cash to solve their most critical problem: Their login process is totally insecure. Hackers are routinely logging in as users (and administrators) and gaining access to company data and financial assets.

Instructions

In groups, develop a list of 15 ways that a malicious actor could penetrate the system and login as a user or administrator.

With each method, be prepared to describe the following: - Who (or what) is the initial target? - How would the actor implement the attack?

Save your answers. You will need them for the next activity, too.

Hints

- While you may be new to this type of thinking, this exercise should force you to think creatively about all the ways a system can be penetrated, from user attacks to physical break ins.
- To successfully complete this exercise, you must think through creative options. Brainstorm and discuss with your group to devise real-world attack types.

As always, be prepared to share your answers!

