

Scenario

You are a cybersecurity analyst for yummyrecipesforme.com, a website that sells recipes and cookbooks. A former employee has decided to lure users to a fake website with malware.

The former employee/ hacker executed a brute force attack to gain access to the web host. They repeatedly entered several known default passwords for the administrative account until they correctly guessed the right one. After they obtained the login credentials, they were able to access the admin panel and change the website's source code. They embedded a javascript function in the source code that prompted visitors to download and run a file upon visiting the website. After embedding the malware, the hacker changed the password to the administrative account. When customers download the file, they are redirected to a fake version of the website that contains the malware.

Several hours after the attack, multiple customers emailed yummyrecipesforme's helpdesk. They complained that the company's website had prompted them to download a file to access free recipes. The customers claimed that, after running the file, the address of the website changed and their personal computers began running more slowly.