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# **Bypassing the Rate Limiting**





## using IP Rotation in

### — Brute forcing —

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# AGENDA

- What is IP Rotation 
- How to Set Up IP rotation 
- Demo 
- Mitigation 

# What is IP Rotation ?



IP address rotation is a process where assigned IP addresses are distributed to a device at random or at scheduled intervals by an administrator or IP address rotation software.

# How to Set UP IP Rotation ?

There are many IP ROTATION Services available in online for free tier and paid.

Paid - Luminati , Oxylabs , Smart Proxy .

Free - Burpsuite with IP Rotator Plugin .



Reference :

[Bypassing IP Based Blocking with AWS API Gateway](#)

[How to Rotate IP ADDRESS in Brute Force Attack](#)

**IT'S**

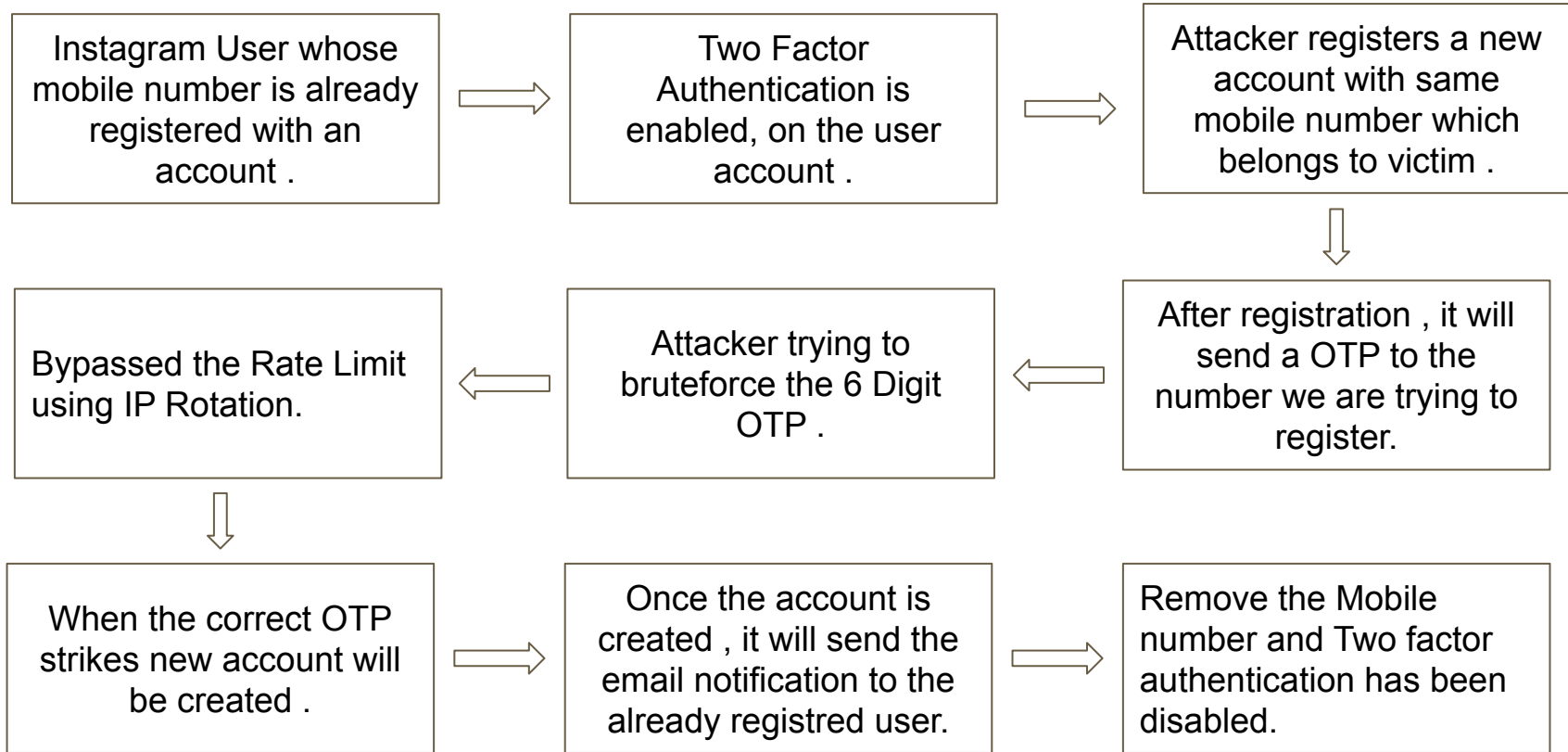


**DEMO TIME!**

# Mitigations



- The Web Application should implement CAPTCHAS in the OTP generation fields, form submission , generation of email field which will stop the DOS attack.
- If the attack is using an open proxy to bypass the rate limit , the open proxy Ip address should be blocked.



# Reference

- [How I was able to remove your Instagram Phone number](#)
- [How I Could Have Hacked Any Instagram Account](#)
- [How I Hacked Instagram Again](#)



**SOOOOO**

**ANY QUESTIONS???**