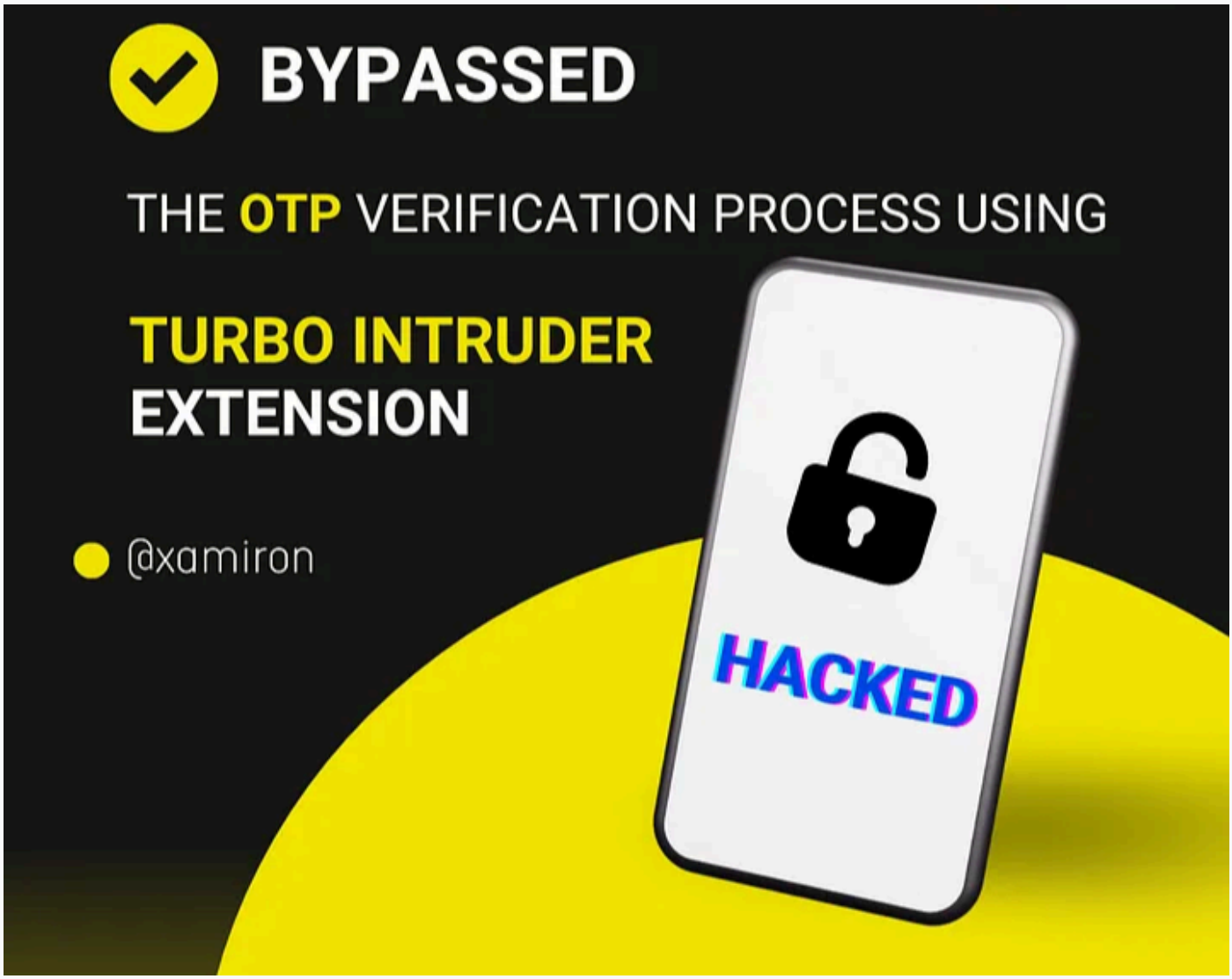
CYBER SECURITY

Bypassed the OTP verification process using “Turbo Intruder” Extension.

Sabuj Modak Samiron 22 Dec 2024 1 234 0 Share



Today, in this article, we will explore methods and techniques that have been used to bypass OTP.

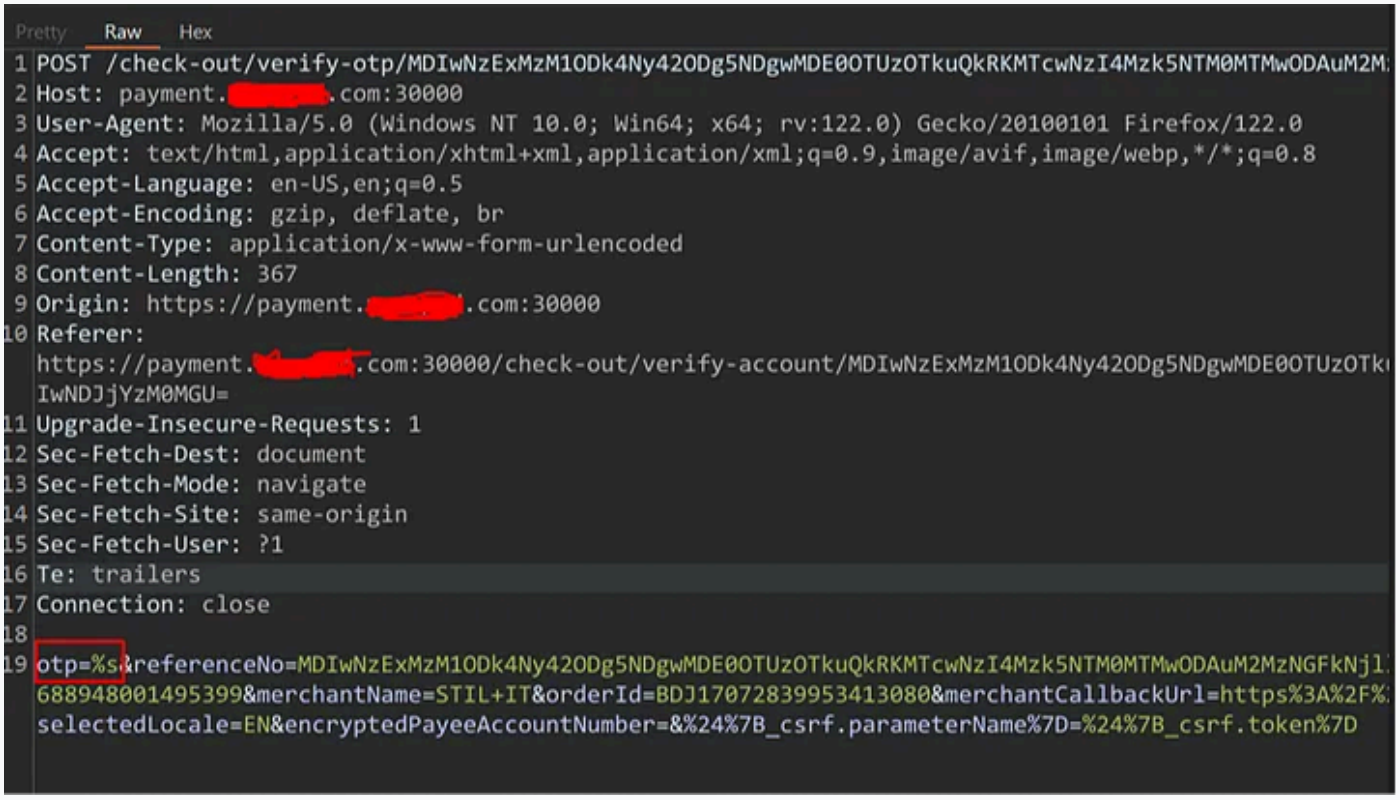
Step 01:

- You have to know OTP length: The length of the OTP affects the number of possible combinations. For example, a 6-digit OTP has 1,000,000 possible combinations (from 000000 to 999999). Knowing the length helps the attacker understand the complexity and the number of attempts required to guess the OTP.
- You have to know OTP validity time: OTPs are typically valid for a short period, often ranging from 30 seconds to a few minutes. Knowing the exact validity period helps the attacker time their attempts more effectively, ensuring they use the OTP within its active window.

helps the attacker plan their strategy to avoid detection and lockout.

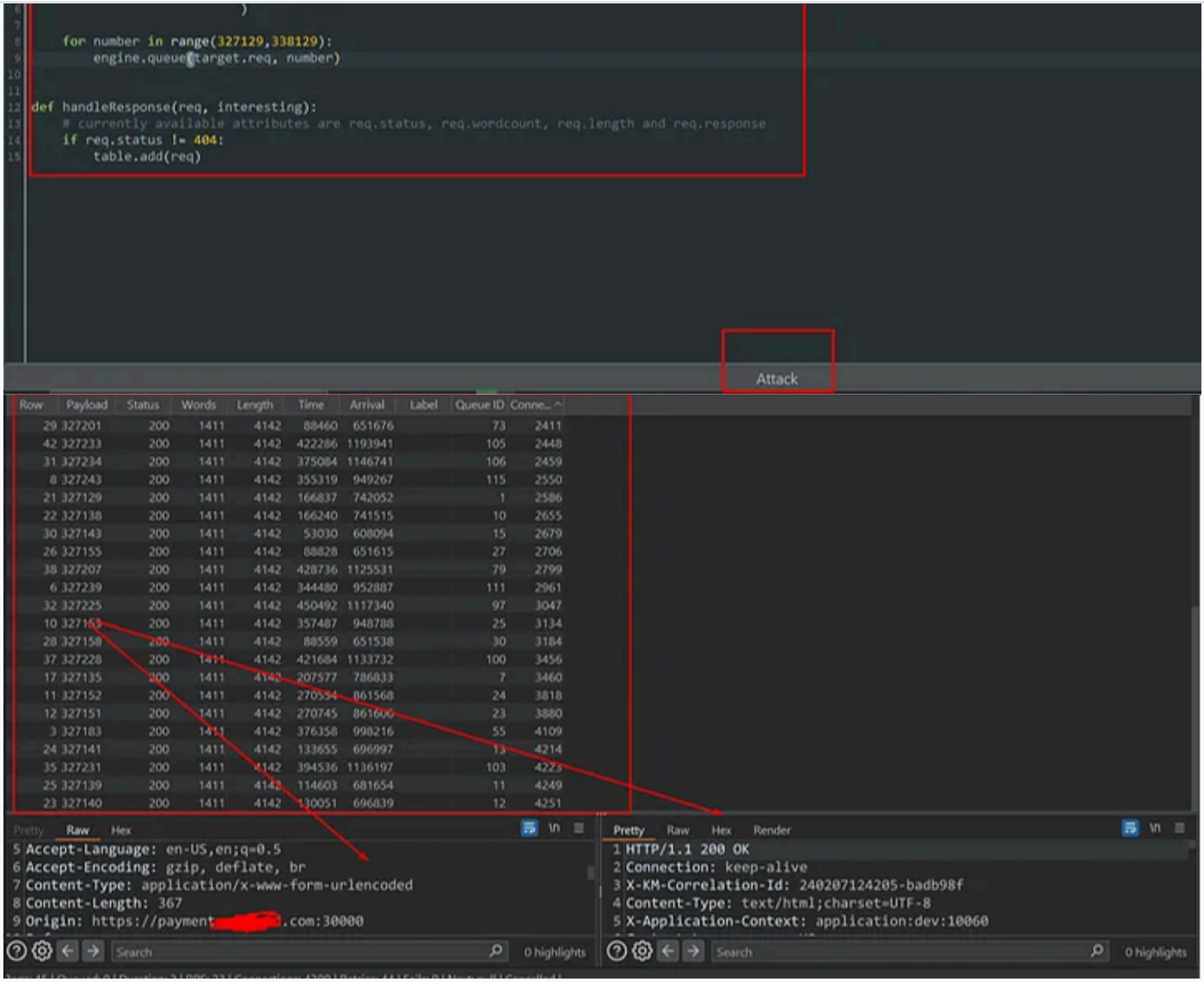
Step 02:
Capture the Payment Request:

- Open Burp Suite and start the proxy listener.
- Perform the payment action on your web application. This could be filling out a payment form and submitting it.
- Burp Suite will intercept the request. You can view this in the “Proxy” tab under the “HTTP history” section.
- Send the Request to Turbo Intruder:
- Right-click on the captured payment request in the HTTP history.
- Select Extensions > Turbo Intruder > Send to Turbo Intruder.
- Before sending the request to Turbo Intruder, you entered the incorrect OTP.
- Replace otp=328129 to otp=%s:



Step 03:
Write python script and start attack:

```
def queueRequests(target, wordlists):
engine = RequestEngine(endpoint=target.endpoint,
concurrentConnections=5000,
requestsPerConnection=10000,
pipeline=False
)
for number in range(327129,338129):
engine.queue(target.req, number)
def handleResponse(req, interesting):
if req.status != 404:
table.add(req)
```



To check the status code, length, arrival time, and other parameters.

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