Cybersecurity Daily Dairy

Day 26: Authentication Bypass – OTP Bypass

Date: July 18, 2025

Topics Covered:

- OTP Bypass using Burp Suite Pro

- Target Website: Instafinancials

Authentication Bypass: OTP Bypass

Authentication Bypass is a critical security vulnerability that allows an attacker to gain unauthorized access to a system or application by bypassing standard authentication procedures. A common scenario involves bypassing OTP (One-Time Password) mechanisms, which are often used for verifying user identity.

In this session, OTP bypass was demonstrated by manipulating the request during the OTP verification step.

Tool Used:

Burp Suite Professional

- Intercepts HTTP/HTTPS traffic between the client and server

- Enables modification of requests and responses

- Was used to intercept and tamper with OTP-related requests to demonstrate the bypass

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Target Website:

Instafinancials

- A financial data portal that utilizes OTP-based verification

- OTP bypass was successfully demonstrated using Burp Suite Pro by manipulating the request flow during authentication

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