

## **Needle\_SS\_File**

### **Needle : PDF Malware Analyzer**

#### **1. Test PDF Execution (Terminal Output) :**

These screenshots show the toolkit analyzing a sample PDF directly from the terminal. The modules run sequentially and display extracted metadata, suspicious keywords, and indicators of compromise.

[gr00t@parrot]~[/Desktop/needle]

\$python3 main.py data/malware\_samples/20250820\_143923\_attach\_scripts.pdf

=== PDF Malware Analysis Report ===

>> Metadata

metadata:

{'/Producer': 'pypdf'}

anomalies:

['Missing or empty Author field']

>> Metadata Anomalies

- Metadata anomaly: Missing or empty Author field

>> Embedded Objects

Total objects: 0

>> Suspicious Keywords

Total keywords: 0

>> Embedded Payloads

Total payloads: 4

Payload snippets:

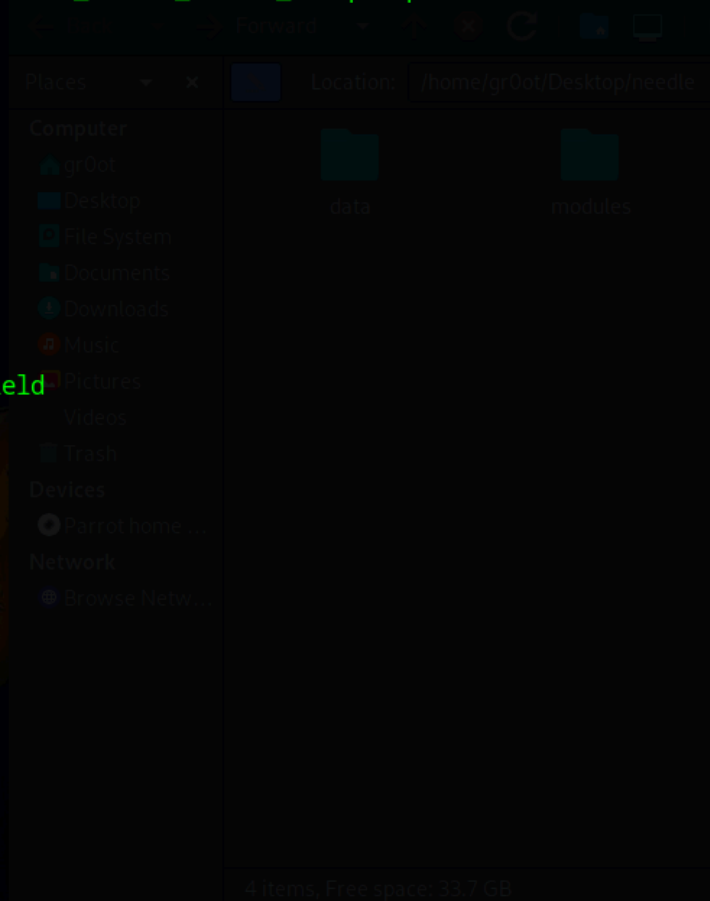
- /EmbeddedFile...
- /EmbeddedFile...
- /EmbeddedFile...
- /EmbeddedFile...

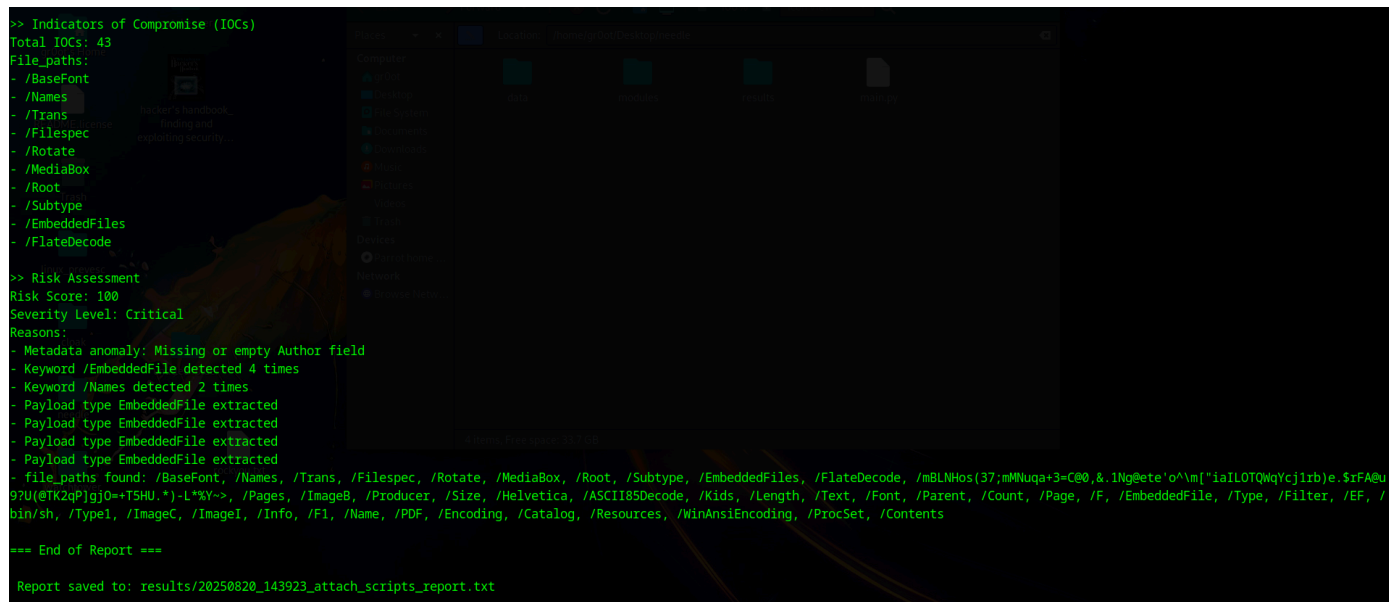
>> Indicators of Compromise (IOCs)

Total IOCs: 43

File\_paths:

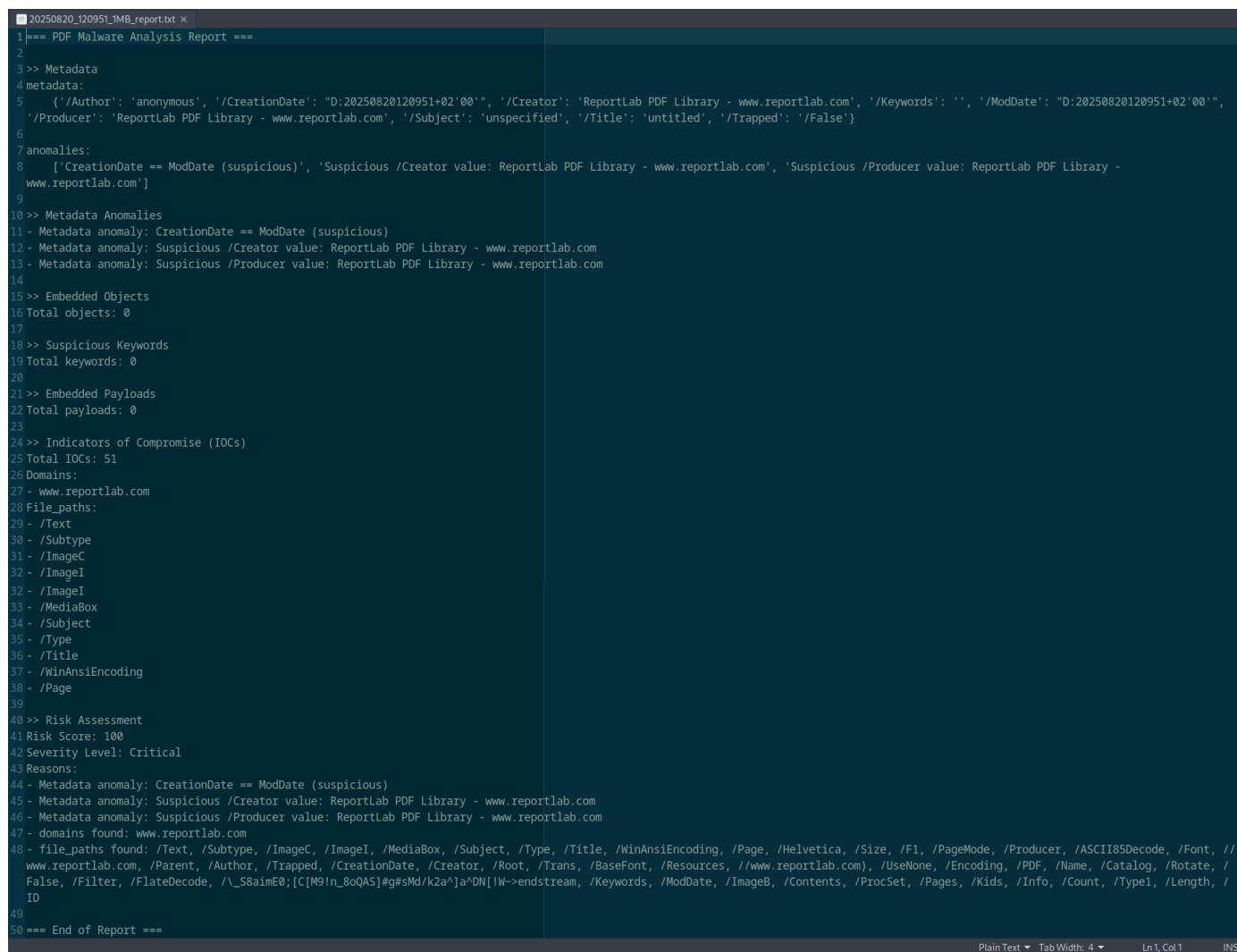
- /BaseFont
- /Names
- /Trans
- /Filespec
- /Rotate
- /MediaBox
- /Root





## 2. Saved Analysis Report (Results) :

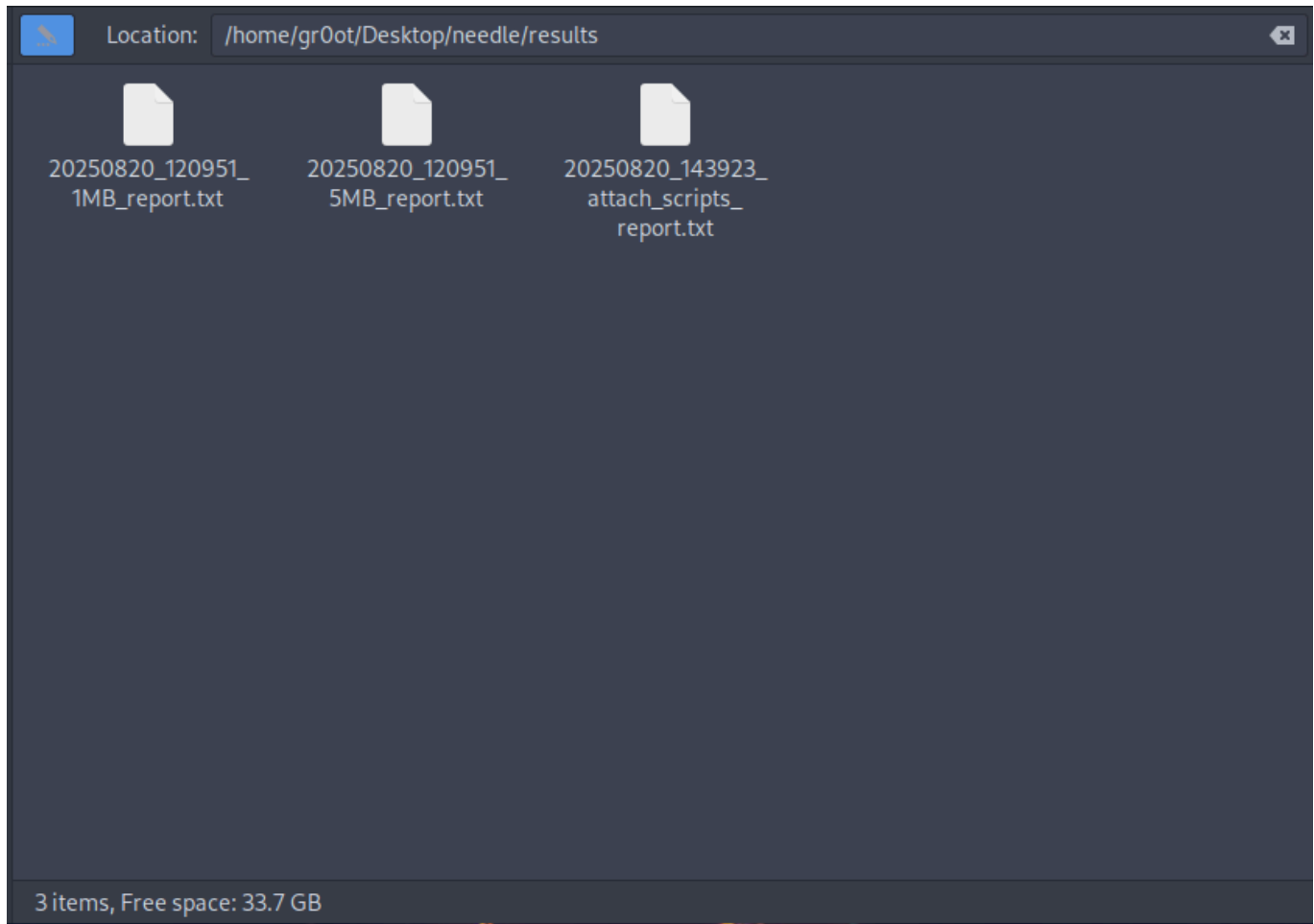
These screenshots highlight the automatically generated report saved in the `results/` directory. The report contains risk score, severity level, and reasons for detection, ensuring analysis is preserved for later review.



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### 3. Results Directory Overview :

This screenshot shows multiple saved reports in the results/ folder. It demonstrates that the toolkit can handle repeated analyses and maintain organized outputs for different test files.



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### 4. Test PDF Sample (Source File) :

This screenshot displays the test PDF file downloaded from GitHub. It serves as the input document for analysis and validates that the toolkit works on real-world samples.

(I have downloaded these sample test pdf's from GitHub source : [https://github.com/klausnitzer/pentest-pdf-collection/tree/main/pdf\\_files](https://github.com/klausnitzer/pentest-pdf-collection/tree/main/pdf_files) )



Location: /home/gr0ot/Desktop/needle/data/malware\_samples



20250820\_120401\_  
xss\_text.pdf



20250820\_120506\_  
js\_annot.pdf



20250820\_120951\_  
1MB.pdf



20250820\_120951\_  
5MB.pdf



20250820\_120951\_  
10MB.pdf



20250820\_120951\_  
20MB.pdf



20250820\_143923\_  
attach\_scripts.pdf