# LFI\_on\_publichealth.telangana.gov.in

## Local File Inclusion on publichealth.telangana.gov.in

#### **Local File Inclusion on**

https://publichealth.telangana.gov.in/download.do?fileName=2947.pdf&filePath=EventDocs

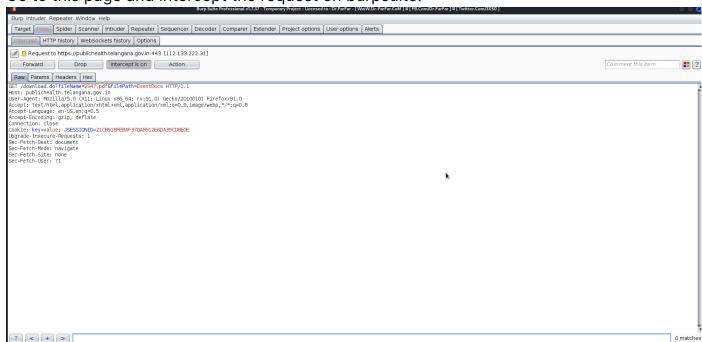
endpoint which allows an attacker to include files on a server through the web browser. I was able to include <a href="//etc/passwd">/etc/group</a>, <a href="/etc/my.cnf"/etc/my.cnf"/etc/my.cnf"/etc/my.cnf"/etc/my.cnf"/etc/my.cnf</a> and many other server files on my browser form the server.

## **Summary:**

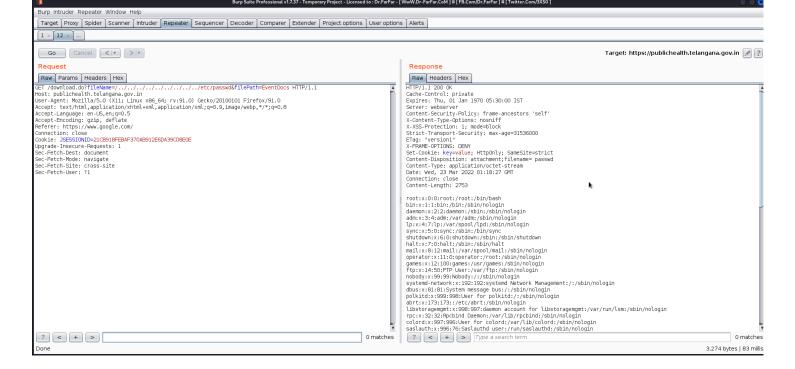
https://publichealth.telangana.gov.in/download.do?fileName=2947.pdf&filePath=EventDocs
endpoint has a parameter download.do?fileName= which takes directory traversal payload
eg. ../../../../../../../etc/passwd and fetches critical internal files
form the server which can result in information disclosure to full system compromise.

## **Steps To Reproduce:**

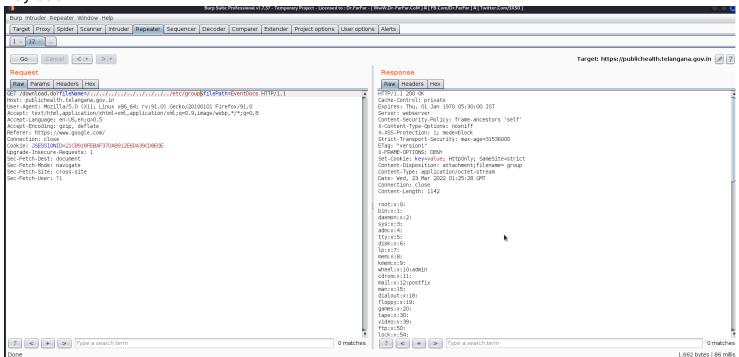
1. <a href="https://publichealth.telangana.gov.in/download.do?fileName=2947.pdf&filePath=EventDocs">https://publichealth.telangana.gov.in/download.do?fileName=2947.pdf&filePath=EventDocs</a> Go to this page and intercept the request on burpsuite.



- 2. Send the request to repeater and turn off the interception.
- 3. Insert payloads in the parameter download.do?fileName=<PAYLOAD>
  - Payload 1: /../../../../../etc/passwd
  - Payload 2: /../../../../../../etc/group
- 4. After inserting each payload in the above parameter and sending the request I was able to read the contents of above files. Here are the Requests and Responses as a POC:



### Payload 2:



Various other critical files can be accessed through this endpoint for POC I have only shown 2 critical files.

#### Impact:

- LFI can lead to information disclosure.
- In this case an attacker can read server's local files including password and config files which can lead to full system compromise.
- Remotely execute commands via combining this vulnerability with some of other attack vectors, such as file upload vulnerability or log injection.
- Gather usernames via /etc/passwd file.

#### **Mitigation**

- If possible, do not permit file paths to be appended directly. Make them hard-coded or selectable from a limited hard-coded path list via an index variable.
- If you definitely need dynamic path concatenation, ensure you only accept required characters such as "a-Z0-9" and do not allow ".." or "/" or "%00" (null byte) or any other similar unexpected characters.
- It's important to limit the API to allow inclusion only from a directory and directories below it. This ensures that any potential attacker cannot perform a directory traversal attack.