pdf_leaks

Name: PDF Leaks
Category: Forensics
Description: Find a flag in a file with an unknown extension

Obtaining extension and transforming file

After downloading the file **FBI-R-----,** our working directory has the next structure:

```
alex@DESKTOP-MQKMDU5:/mnt/c/Ciberseg/pdf_leaks$ ls
FBI-R-----
```

To obtain the extension of the file, we will have a look at its magic number with the **file** command:

```
alex@DESKTOP-MQKMDU5:/mnt/c/Ciberseg/pdf_leaks$ file FBI-R-----
FBI-R-----: Zip archive data, at least v2.0 to extract
```

As we can see, we discovered that the downloaded file is a zip archive, and the version of zip we need in order to extract it. In order to extract the files properly, we will change the extension of the file to **.zip**:

```
alex@DESKTOP-MQKMDU5:/mnt/c/Ciberseg/pdf_leaks$ mv FBI-R----- FBI-R-----.zip
alex@DESKTOP-MQKMDU5:/mnt/c/Ciberseg/pdf_leaks$ ls
FBI-R-----.zip
```

Let's extract its content with the command **unzip <fileName>**:

```
alex@DESKTOP-MQKMDU5:/mnt/c/Ciberseg/pdf_leaks$ unzip FBI-R-----.zip
Archive:  FBI-R-----
  inflating: FBI-Report.pdf
```

After extracting the contents, we obtained a pdf file with the name **FBI-Report.pdf**.

FBI-Report.pdf

After opening the extracted file, we obtain the following information:

Uniform Crime Reporting Program
Hate Crime Statistics Program
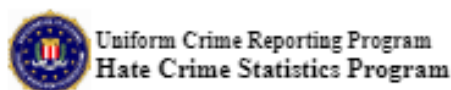
About *Hate Crime Addendum 2012*

The FBI Uniform Crime Reporting (UCR) Program received the hate crime data of nearly 1,500 law enforcement agencies throughout Kentucky (1 agency), Massachusetts (9 agencies), New Jersey (509 agencies), and Texas (974 agencies) after the publication deadline for *Hate Crime Statistics, 2012*. Given the volume of data these agencies contributed, the FBI is making a one-time exception to its publication policy and is issuing this addendum to present those data as supplements to Tables 13 and 14 of the annual publication. **Data users note that these data are not included in *Hate Crime Statistics, 2012*, in either aggregate tables or in agency tables.** In addition to this addendum, the hate crime data from the agencies involved are available in the hate crime master file for 2012.

Links to the Table 13 addendum and the Table 14 addendum, as well as data declarations for those addenda follow:

███

████████████████████████████████████

███

███

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███████████████████████████████████

██
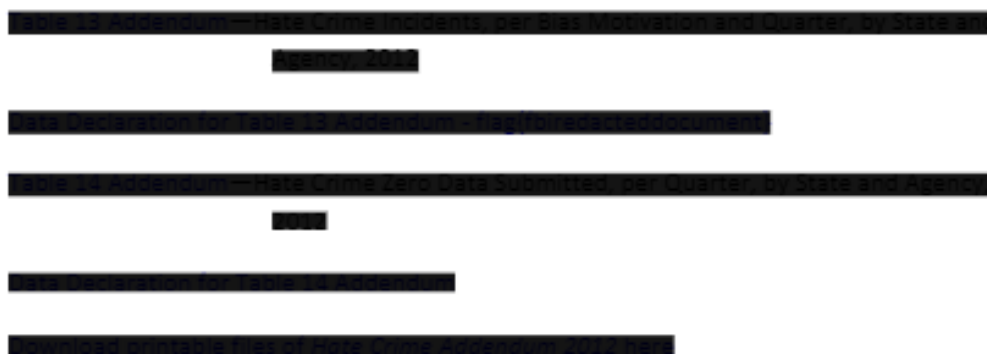
To obtain a copy of the 2012 hate crime master file or for questions about these data, please contact the UCR Program via e-mail at cjis_comm@leo.gov or write to the program at:

Uniform Crime Reports
Criminal Justice Information Services Division
Federal Bureau of Investigation
1000 Custer Hollow Road
Clarksburg, West Virginia 26306-0159

As seen above, this file seems a report from the FBI about a crime operation. The interesting point about the file is that it has censored data where the links to the data should be.

Nevertheless, after hovering the cursor over one of the censored lines, we noticed the following situation:

That pop up means the censored lines are actually black highlighted lines, which means that with any pdf editor, like Adobe Acrobat DC, we could possibly uncensor the data. Let's give it a try:

As expected, we can delete the highlight and obtain the censored data, within the links obtained we found this link:

Data Declaration for Table 13 Addendum - flag{fbiredacteddocument}

Which reveals the flag **flag{fbiredacteddocument}**, that means we solved the problem.