

# Reporte de reto Forense - PicoCTF

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## 1 Introducción

Primeramente vemos que tenemos un reto forense el cual se trata de analizar un documento para ver lo que lleva oculto, llevando mas allá nuestros conocimientos en análisis de archivos.

## 2 Revisión del documento

- Como primera impresión observamos que hay partes censuradas en el documento.

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Integer posuere erat a a  
dapibus posuere velit aliquet. [REDACTED]. Et  
tellus ac cursus commodo, tortor mauris condimentum nibh, ut fermentum mass  
risus. Curabitur blandit tempus porttitor. [REDACTED], consecet  
[REDACTED]

You thought this was important? Nah, it's just random text. Keep looking. Or n  
maybe, you're in the wrong place?

### Special Hidden Section:

[REDACTED] ←  
Don't bother trying to reveal the hidden text, it's just nonsense anyway. Even if  
you manage to do it, all you'll get is:

[REDACTED] ←

- Se puede ver que si seleccionamos la parte censurada y la copiamos a un editor de texto habremos obtenido datos interesantes.

The screenshot shows a PDF document with several redacted sections. Four points are highlighted with green circles and arrows:

- 1: A redacted section containing "You thought this was important? Nah, it's just random text. Keep looking. Or maybe, you're in the wrong place?"
- 2: A redacted section containing "Curabitur bl~~at~~ tempus portt~~er~~".
- 3: A redacted section labeled "Special Hidden Section:" followed by a redacted URL.
- 4: A redacted section containing "Don't bother trying to reveal the hidden text, it's just nonsense anyway. Even if I manage to do it, all you'll get is:"

**Contenido descubierto de textos censurados**

```

1 Aenean lacinia bibendum nulla sed consectetur
2 Lorem ipsum dolor sit amet
3 The author have done a great and good job
4 No flag here. Nice try though!

```

**Textos censurados**

**Descubrimiento de textos censurados**

- Viendo que en el anterior paso no encontramos nada relevante tendremos que intentar otros métodos, intentemos ver los datos en bruto (Raw Data) usando la herramienta **strings**, haber que encontramos.

The screenshot shows raw PDF data with the following content:

```

7 2 0 obj
8 /Producer (PyPDF2)
9 /Author (cGljb0NURntwdXp6bDNkX20zdGFkYXRhX2YwdW5kIV8wZTJkZTVhMX0\075)
10 endobj
11 3 0 obj
12 /Type /Catalog

```

**Datos en bruto**

- Desciframos el cifrado sospechoso

The screenshot shows a terminal window with the following command:

```

> echo -n 'cGljb0NURntwdXp6bDNkX20zdGFkYXRhX2YwdW5kIV8wZTJkZTVhMX0\075' | base64 -d;echo
picoCTF{puzzl3d_m3tadata_f0und!_0e2de5a1}

```

**Descifrando**

- Introducimos la flag en el reto de Pico CTF para ver si realmente acabamos el reto.

The screenshot shows a challenge interface with the following fields:

- Input field: picoCTF{puzzl3d\_m3tadata\_f0und!\_0e2de5a1}
- Submit Flag button

**Introduciendo flag**

- Y listo, nos salió las felicitaciones, reto resuelto.

Hurray! You have solved this challenge  
correctly again.

×

**Reto resuelto**