

??

Name: ??

Category: OSINT

Description: -

First-Contact

The challenge provides a file with the name **??** whose extension is unknown, so the first step is to obtain the extension of the file with the command **file**:

```
alex@DESKTOP-MQKMDU5:/mnt/c/Ciberseg/osint$ file \?\?  
??: PNG image data, 546 x 540, 8-bit/color RGBA, non-interlaced
```

We discovered that the file is actually a PNG image, so we apply the corresponding transformation with the **mv** command:

```
alex@DESKTOP-MQKMDU5:/mnt/c/Ciberseg/osint$ mv \?\? image.png  
alex@DESKTOP-MQKMDU5:/mnt/c/Ciberseg/osint$ ls  
image.png
```

After these steps, we can open the image with any program of our O.S. and see its content:



The image represents a QR code, this QR, when scanned with a QR Scanner, provides the following string **15otkz1oqgvntjyqf8mj9mnqkineeu4skg**.

Notice that this challenge is in the OSINT category, OSINT stands for **Open Source INTelligence**, so we will take the string obtained from the QR and make a google search with it as a query:

"15otkz1oqgvntjyqf8mj9mnqkineeu4skg"



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Aproximadamente 9.790 resultados (0,42 segundos)

Sugerencia: [Buscar solo resultados en español](#). Puedes especificar tu idioma de búsqueda en [Preferencias](#)

<https://www.blockchain.com> › [btc](#) › [address](#) › 15oTKZ... ▼

15oTKZ1oQgvNtJyqF8MJ9mNqK...

15oTKZ1oQgvNtJyqF8MJ9mNqKiNEeu4skG. Formato. Base58 (P2PKH). Transacciones. 2105. Total recibido. 71.10503564 BTC. Total enviado. 71.10503564 BTC.

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15oTKZ1oQgvNtJyqF8MJ9mNqK...

15oTKZ1oQgvNtJyqF8MJ9mNqKiNEeu4skG. Format. Base58 (P2PKH). Transactions. 2,104. Total Received. 71.10503564 BTC. Total Sent. 70.85463564 BTC. Final Balance.

<https://hashxp.org> › [address](#) › 15oT... ▼ [Traducir esta página](#)

15oTKZ1oQgvNtJyqF8MJ9mNqKiNEeu4skG - hashXP

Some information derived from latest transactions on the blockchain where this address has been involved. Received TX, 55 (55 outputs). Sent TX, 45 (56 inputs).

Visitaste esta página el 5/03/22.

The " character in the google query makes the search retrieve only the results that match exactly with the string, same characters and same order between them. We discover that the string corresponds to a blockchain address, in particular, a bitcoin address:

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Dirección

USD

Buscar tu transacción, una dirección o un bloque

Dirección

Esta dirección tiene tiempos 2,105 transaccionados en la cadena Bitcoin. Ha recibido un total de 71.10503564 BTC (2.751.503,21 US\$) y ha enviado un total de 71.10503564 BTC (2.751.503,21 US\$). El valor actual de esta dirección es 0.00000000 BTC (0,00 US\$).

Transacciones

Cuota

Dirección

Formato

Transacciones

Total recibido

Total enviado

Saldo final

15oTKZ1oQgvNtJyqF8MJ9mNqKiNEeu4skG

BASE58 (P2PKH)

2105

71.10503564 BTC

71.10503564 BTC

0.00000000 BTC

Comprar criptomoneda

The QR seen in the image above corresponds to the one provided by the challenge and so does the address, this means we

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found the page the challenge wanted us to reach. Now, following the principles of OSINT, we need to find clues and data related to the flag.

Flag submission tries:

- **flag{15otkz1oqgvntjyqf8mj9mnqkineeu4skg}** - Failure
- **flag{blockchain}** - Failure

At this point we tried decoding the address **15otkz1oqgvntjyqf8mj9mnqkineeu4skg** with a base58 decoder but the result was not successful.