

Request of cooperation

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Hi, CSIRT trainee,

we have received a request for cooperation issued by law enforcement authorities to locate a device on our network `2001:db8:7cc::/64`. Please try to accommodate the requester as much as possible.

- [Download the request of cooperation](#)
(sha256 checksum:
`67bd096145a74feb4f1ffad849721547ac4c29de52f525282a5e01a978109878`)

This challenge provides PDF with information about a device on the IPv6 network to be found. The most important pieces of information to do this are:

- Network range: `2001:db8:7cc::/64`
- Device MAC address: `00ca.7ad0.ea71`
- HTTP server port: `1701/tcp`

These can be combined into an Extended Unique Identifier (EUI-64, [Article on Cisco Community](#)) by following these steps:


1. Split the MAC address into two halves
= `00ca7a` and `d0ea71`
2. Insert bytes `FF`, `FE` in between
= `00ca7afffed0ea71`
3. Set the 2nd bit of the first byte to 1, which marks that the address is globally unique
= `02ca7afffed0ea71`
4. Prepend the network range to the result of the previous step and format the whole as an IPv6 address

The resulting IPv6 address is `2001:db8:7cc::02ca:7aff:fed0:ea71`. Combining it with the provided HTTP port gives a full URL:

`http://[2001:db8:7cc:0:2ca:7aff:fed0:ea71]:1701/` which when visited in a web browser, yields the website below.

Workstation Report

[2001:db8:7cc:0:2ca:7aff:fed0:ea71]:1701



Workstation Report

| Parameter | Details |
|------------------|----------------------------------|
| IP Address | 2001:DB8:7CC::2CA:7AFF:FED0:EA71 |
| GPS Coordinates | 50.098° N, 14.388° E |
| Operating System | Windows 12 Imperial Edition |
| Time Zone | UTC (+00:00) |
| Processor | Intel Core i7-9700K |
| Memory | 32 GB |
| Storage | 512 GB SSD |
| Moggie Status | Enabled (Passive-Agressive mode) |
| Autodestruction | Disabled |
| Service Tag | FLAG{Sxwr-slvA-pBuT-CzyD} |

The "Workstation Report" website contains the flag: `FLAG{Sxwr-slvA-pBuT-CzyD}`