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ESPR // TOP SECRET

Challenge Description

Public information to players

You and your teammates are onboard the CTF-1337 flight to Beijing. Just after take-off the pilot and copilot accidentally locked themselves out of the cockpit while having a snack. The cockpit door can only be unlocked with a code, and the pilots forgot it. The flight attendant asked in the loudspeaker "Do we have any hackers onboard?" And your team jumped at the opportunity to be the heroes.

The cockpit door code is not backed up anywhere. A technician from Airbus that happened to be on the plane, shared with you a simulator of the plane network and cockpit door locking system, and the flight attendant gave you an ethernet cable that they said leads to a satellite internet router. Help the pilots get back inside the cockpit before the plane runs out of fuel!

Provide the files **PUBLIC-PLAYERS.ZIP** and **PUBLIC-DOCS.ZIP** to players

Task Spoilers (4th wall break)

Provide this information to all players.

The door lock combination starts with CTF{ and ends with } all caps. This challenge's code is mostly open source, but there are some differences: The door lock combination is set up outside of the containers, after the CDLS is up, but before bringing up the FDR and the MCDU. The router is completely different. There is no cangateway (so, no traffic other than your own). Resolving DNS names to private IPs won't work. Networks have a lifetime of 60 minutes (nsjail -t 3600). There's a network generated for every telnet connection. Don't open too many network connections, or the proof of work will be increased. You should be able to solve the challenge with a single telnet connection in around 15 minutes. The FDR upload speed is actively throttled, it might drop some requests (task is still solvable, every file is uploaded multiple times).

Provide the file **PUBLIC-SPOILERS.ZIP** to players

SECRET Hints

Don't disclose unless the challenge seems to be broken in an unexpected way

Networking (1st step)

1. The Airbus technician finds the code of the router that is actually running on the aircraft, and shares it with you. Maybe this can help you make some progress.
    a. Release the **HINT-SECRET.ZIP** file
    b. Note: Only release it (to all teams at the same time) if nobody has solved the task, and a team has a solution that works locally, but not remotely. This provides information about where the first step of the bug is, so by releasing this information, all teams will roughly be mid-way through the task.