

# DNSathon

Hackathon Collaboratif sur le DNS

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Benin DNS Forum

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# Overview

Intro

Teams

DNS 101

Activities

Progress Evaluation

Logistic

Welcome

# Participants...

- Firstname, Lastname
- University / Company
- Areas of expertise
- 3 words on piece of paper
  - Motivations**
  - Expectations**
- Last year participation

# Team organization

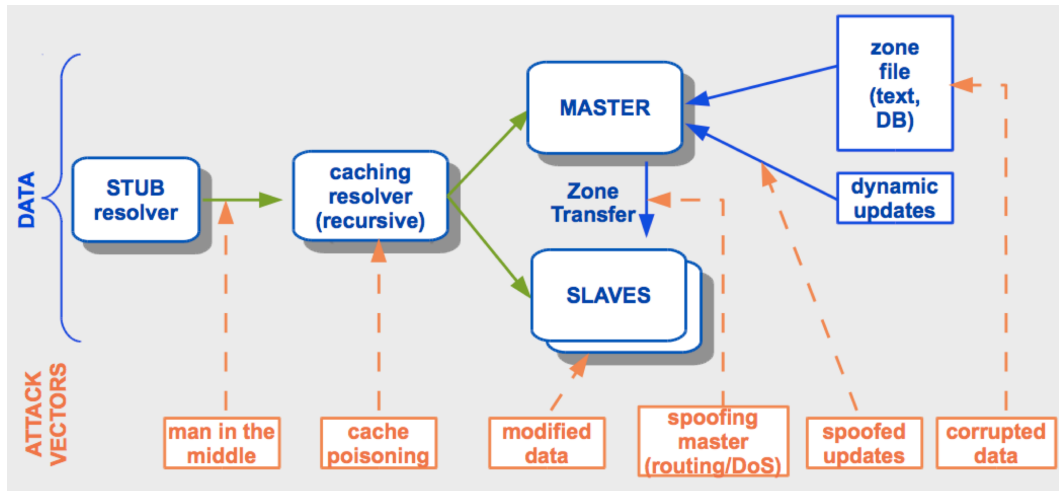
# Teams...

- Groups: `dns-root`, `dns-registry`, `dns-registrar`, `dns-resolver` and communication.
- Number of teams per group?
- Lead & spokesperson:
  - Lead: team management, time control, goal achievement, etc.
  - Spokesperson: group work/achievement presentation.
  - Lead as technical assistant?



**DNS 101**

# 101...problems





# Team Activities

# Activities...(1/3)

## dns-root

- Configure authoritative server.
- Create custom root hints.
- Publish custom root hints with a web server.
- Sign zone.

## dns-registry

- Configure authoritative server.
- Create two TLDs: **dnsathon** and another one.
- Open API (zone operation) request from registrar or write custom EPP.
- Serve as NS for registrar zones.
- Sign zones.

## Activities...(2/3)

### dns-registrar

- Connect to registry API/EPP and create domains under TLDs.
  - Registrar portal domain ie **regisrtar1.dnsathon**.
  - Create domains (for resolver team)
- Create automatic domain registration portal.
  - Manage all dependencies (PHP, Python, Database, etc).
  - Web server configuration.
- Use resolver team resolver.
- Sign zone.

## Activities...(3/3)

### **dns-resolver**

- Get root hints from root team web server.
- Install resolver and configure it with custom root hints.
- Deploy small web app (one page) for registered domains (web server).

### **communication**

- Coordinate with team spokesperson and/or lead, coaches.
- Organize team activities presentation break (how many breaks to share team progress).
- prepare team activities progres.
- Continuously update Dnsathon report.

Progress

## Team Progress...

Peer evaluation (for each team 20%, 40%, etc).

Completion of each task.

Evaluation of the % of the completed task on a 100% scale.

Dnsathon Hall of Fame.

Dashboard with list of teams by successful tasks.

Timing of each tasks.

Logistic

## Logistic...

Electric power strip.

Foods and drinks.

Time slots.

Network access Code of conduct.

Wire and/or Wifi access (next slide for physical network).

Code and configs push on Dnsathon Repository.

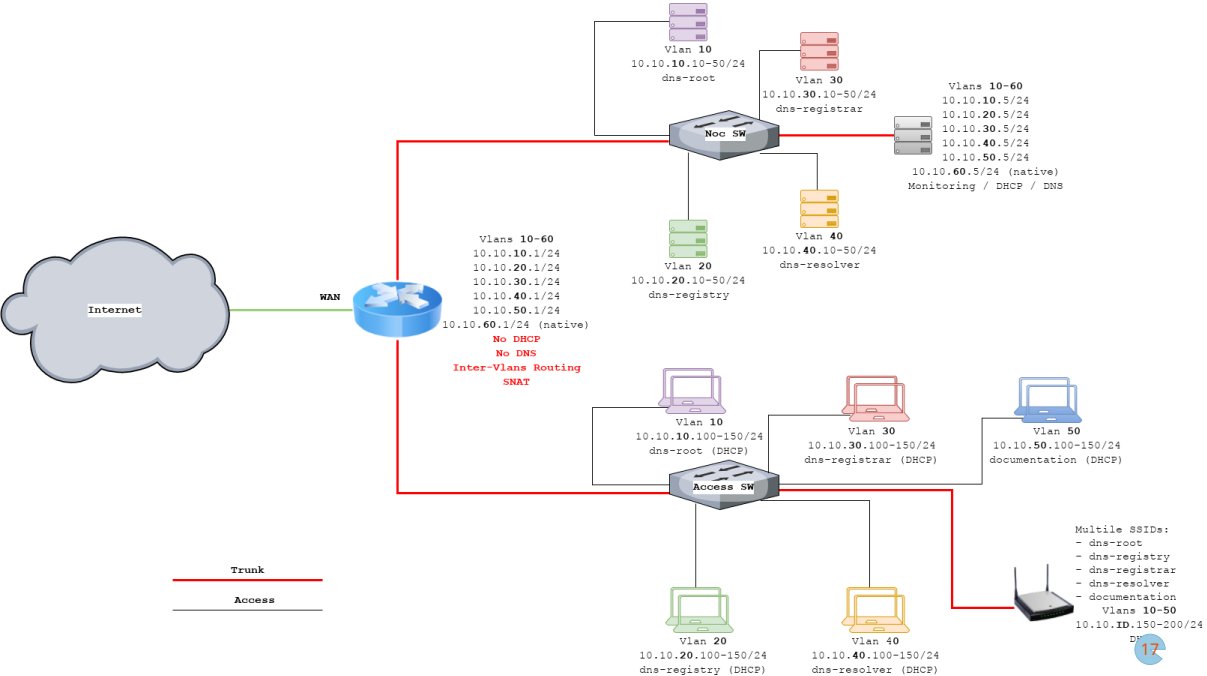
→ **Last year work:**

<https://github.com/AlfredArouna/DNSathon/tree/master/2017>

**This year:**

<https://github.com/AlfredArouna/DNSathon/tree/master/2018>







**Safia Abdalla**

@captainsafia

Follow



I wanna tweet out a DNS joke but it might take y'all 24 hours to get it.

5:39 PM - 8 Aug 2018

955 Retweets 4,648 Likes



127



955



4.6K

# HACKATHON



**Thanks!**

