Bad.example.com: Round#1

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Globalization has done good things like bringing you a shower cap made in Vietnam, but you didn't expect that you would have to fix the DNS server configuration outsourced to an offshore IT corporation.


Figure 1. Hi! I'm Hugo, your boss

You are responsible for the administration of `example.com`. Upon receiving instructions from your boss Hugo to set up the company's DNS services, a mix of pride and nervous anticipation washed over you due to the significant responsibility entrusted upon you.

The idea

Trying to be clever, you decided to outsource your job to an offshore IT company called **Simiret** (*Simio-Retaj Servoj*). It was way cheaper, in fact, they ask you just two bags of peanuts.

After a couple of days, the `.zip` file with the Vagrant and DNS configuration arrived. You are ready to deploy in the cloud, but … sometimes if you pay peanuts all you got is …

Wait, what if I test the config before in Virtualbox? Download the DNS configuration from the Moodle activity.
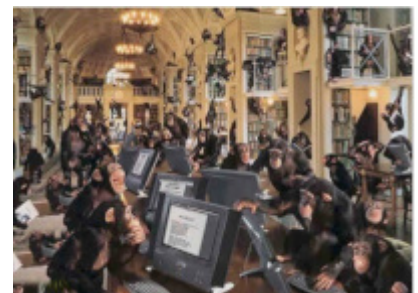
Figure 2. Your average IT sweat shop

Panic

Figure 3. Oh my posh! The service is not running!!

You run the Vagrant file, and check the *status* The service is not running. You turn pale and tremble like a leaf. You're on the verge of calling your mother in tears and quitting your job, but suddenly courage returns, and you tell yourself:

In an exam of Network Services and Internet

> If the children in Gaza can overcome it, so can I. I'm going to fix this!

— DNS is a mess. Memories of an average student

Fix the service from its misery, so it changes from:

```
* named.service - BIND Domain Name Server
    Loaded: loaded (/lib/systemd/system/named.service; enabled; vendor preset:>
    Active: failed ①
```

① Failed, like an economist

to the glorious state of:

```
* named.service - BIND Domain Name Server
    Loaded: loaded (/lib/systemd/system/named.service; enabled; vendor preset:>
    Active: active (running) ①
```

① Running, not jogging

⚠️ Just fix this. Just enough to make the service run.

1. Write a report to your BOSS **in Moodle** about what was the cause/s of THIS error, and how you fix it.

2. NO INVENT, please.

Bug hunt

But the nightmare isn't over yet. Remove all the errors until the zones are loaded.

Service status as it should be

```
Dec 15 07:12:41 bad named[11423]: command channel listening on ::1#953
```

```
Dec 15 07:12:41 bad named[11423]: managed-keys-zone: loaded serial 3
Dec 15 07:12:41 bad named[11423]: zone 57.168.192.in-addr.arpa/IN: loaded serial 1 ①
Dec 15 07:12:41 bad named[11423]: zone 255.in-addr.arpa/IN: loaded serial 1
Dec 15 07:12:41 bad named[11423]: zone localhost/IN: loaded serial 2
Dec 15 07:12:41 bad named[11423]: zone 0.in-addr.arpa/IN: loaded serial 1
Dec 15 07:12:41 bad named[11423]: zone example.com/IN: loaded serial 1               ②
Dec 15 07:12:41 bad named[11423]: zone 127.in-addr.arpa/IN: loaded serial 1
Dec 15 07:12:41 bad named[11423]: all zones loaded
Dec 15 07:12:41 bad named[11423]: running
```

① zone `57.168.192.in-addr.arpa/IN` loaded

② Zone `example.com` loaded

> ⚠️ Write a report to your BOSS in Moodle about what was the cause/s of THIS error, and how you fix it. Please BE POLITE.

Deliverables

1. Upload the configuration files to Moodle.

2. Show to your beloved teacher the service running without errors.

3. Then destroy the virtual machines.

Comments and suggestions

You can direct any kind of comment or suggestion about this document to the documentation team mailing list: fraya@ieszaidinvergeles.org If you're complaining send your comments to `/dev/null`.

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