

<https://1.101.fr>

At Home

```
# edit /etc/dnf/dnf.conf
sudo vim /etc/dnf/dnf.conf
# remove the line `proxy=http://proxy:3128/`
# remove UFR Blois yum repo
sudo mv /etc/yum.repos.d/utftr_st_diblois_centos8s.repo ~/
```

Toolings

```
sudo snap install postman  
sudo snap install rubymine --classic  
sudo snap install gitkraken --classic
```

Rails - Installation

```
# add ruby development package (required by some gems)
sudo dnf install -y ruby-devel
# add rails gem
sudo gem install rails -v 5.2
```

Create a new Rails App

```
# create a ~/Developer directory
cd ~
mkdir Developer
cd Developer
# create a new Rails App in the developer Directory
sudo rails new messenger --api
cd messenger
# misc
sudo gem pristine --all
sudo bundle install
sudo chown student:student -R Developer/
# start rails
bin/rails server
```

<http://localhost:3000>

Create your first Rails Controller/Model

```
# generate files for the model  
bin/rails generate scaffold Message text:string  
# migrate the database (generated by the scaffold)  
bin/rake db:migrate
```

Test messages

Add a new message

```
curl --header "Content-Type: application/json" \  
  --request POST \  
  --data '{"text": "text"}' \  
  http://localhost:3000/messages
```

Get the messages list via HTTP

```
curl --request GET http://localhost:3000/messages
```


Create your second Controller/Model

```
# remove the table in the database
bin/rake db:rollback
# remove the previously generated message scaffold
bin/rails destroy scaffold Message
# generate a new user scaffold
bin/rails generate scaffold User name:string
# generate a new message scaffold (link to user)
bin/rails generate scaffold Message text:string user:references
# migrate the database
bin/rake db:migrate
```

Test your first relational model

```
curl --header "Content-Type: application/json" \
  --request POST \
  --data '{"name": "Hugues"}' \
  http://localhost:3000/users
curl --header "Content-Type: application/json" \
  --request POST \
  --data '{"text": "text", "user_id": 1}' \
  http://localhost:3000/messages
```

Update the generated code

```
app/models/message.rb
class Message < ApplicationRecord
  belongs_to :user

  def as_json(options = {})
    super(only: [:id, :text, :created_at], include: { user: { only: [:id, :name] } })
  end
end
```

```
app/models/user.rb
class User < ApplicationRecord
  def as_json(options = {})
    super(only: [:id, :name])
  end
end
```

SQLite

```
# https://www.sqlite.org/cli.html
bin/rails dbconsole
sqlite> select * from messages;
sqlite> select * from users;
sqlite> .exit
```