



<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/utfr_st_diblois_centos8s.repo ~/
```

# At the university

Add proxy to be use by gem package

```
# ~/.gemrc  
http_proxy: http://proxy:3128
```

# Toolings

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

# Rails - Installation

```
# add ruby development package (require by some gem)  
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
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
```

Test your new Rails app using

<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

## create a new user

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

## create a new message link to the

# 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
```