# PENTESTER ACADEMY

### Pentesting automation with Reconmap

Santiago Lizardo

September 4, 2021

## About the presenter



- Reconmap's founder
- ► +20 years doing software engineering
- Cyber security enthusiast
- ► https://github.com/santiagolizardo

## Reconmap's origin

#### Pentesting pain points

- Repetition
- Ineffective collaboration
- Ineffective communication

#### Reconmap's mission

Reconmap's mission is to accelerate the time it takes to do vulnerability assessment and pentesting, through the use of templating, automation and machine learning. From weeks to days, or days to hours.

## Reconmap's approach

- ► Templates to avoid repetition
- Automation and ML to speed up the process

#### Result:

Pentesters spending more time doing research, and less time doing repetitive, boring, tedious work such as parsing files manually or creating handcrafted pentest reports for their clients.

# Reconmap's Today - September 2021

- ▶ 1 year old
- Open source and SaaS
- Small but growing community
- Used in production by people around the world

#### Recomap's feature set

- Client, project, tasks management all in one.
- Reusable project and vulnerability templates
- Automatic pentest report generation (HTML, PDF, DOCX)
- Command line interface (CLI) and Rest API
- Integrated browser terminal
- Can scale to teams and projects of any size.
- Stats dashboard, user roles, documents, markdown, audit log, integrated search, tagging, data import/export, ...

### Pentesting step by step with Reconmap

- 1. Create client
- 2. Create project from scratch or template
- 3. Complete tasks in the project. Some might require running command automation.
- 4. Try exploit the vulnerabilities found
- 5. Generate report for client and share

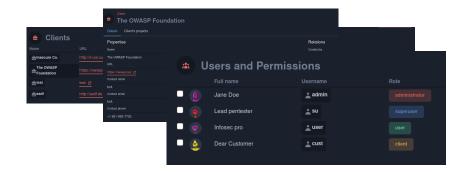
## Step 1: Setup client



## Step 1: Setup client



#### Step 1: Setup client



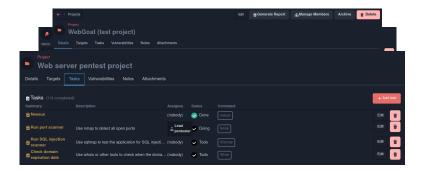
#### Step 2: Setup project



#### Step 2: Setup project



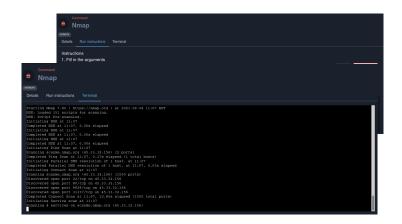
## Step 2: Setup project



## Step 3: Complete tasks and commands



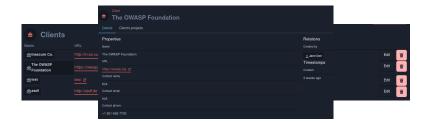
#### Step 3: Complete tasks and commands



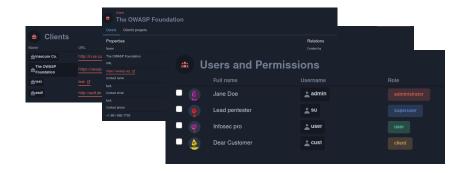
## Step 4: Verify exploitable vulnerabilities



## Step 4: Verify exploitable vulnerabilities



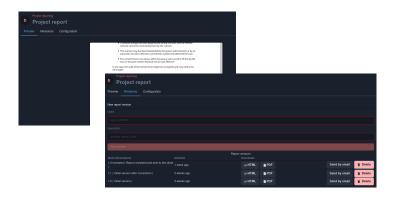
## Step 4: Verify exploitable vulnerabilities



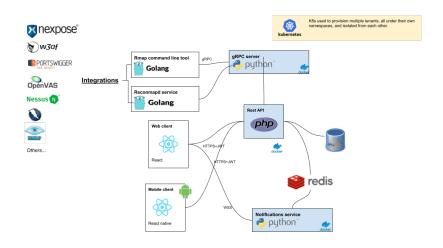
## Step 5: Generate pentest report



## Step 5: Generate pentest report



#### Architecture



### Coming features

- Complex workflows (reviewers)
- ► Independent customer's portal
- Secret management
- More integrations

#### How to get started?

#### Manual setup

Follow setup instructions

Requires significant time to install and maintain Community support (chat)

#### SaaS

Affordable hosting

Ready in minutes Technical support (phone, email, chat) Always latest version

# Staying in touch



- Github community
- ► Twitter updates
- ► Facebook
- ► Gitter chat

#### Pentester academy

- ▶ DamianGoh13
- ► Pentesteracademy.com