EPAM Interview Project Presentation

Illia Churkin

Course: DevOps Online Kharkiv, 2021

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Agenda

- Self-Presentation
- Project Presentation
 - Project Scheme
 - The Launch and Configuration of AWS EC2 Instances
 - EC2 Server Setup Using Ansible
 - Webpage Deployment
 - Project Results

Self-Presentation

Self-Presentation. ILLIA CHURKIN

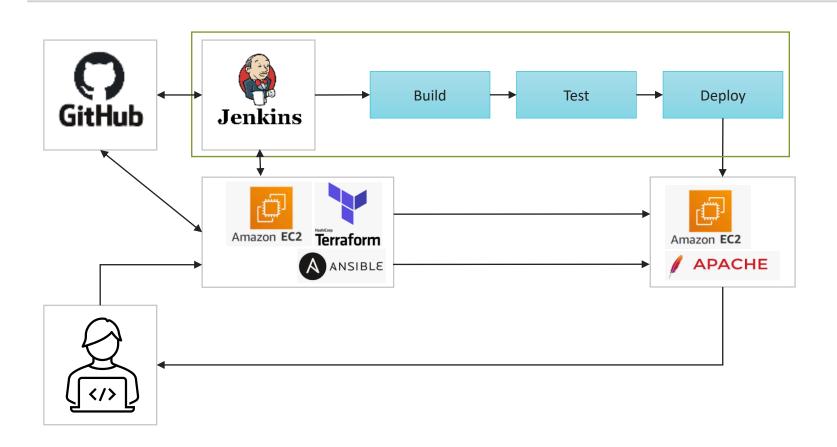


- E-mail: <u>ilia.churkin88@gmail.com</u> Phone: +38(093)-360-43-31
- Kharkov National University of Internal Affairs, 2010

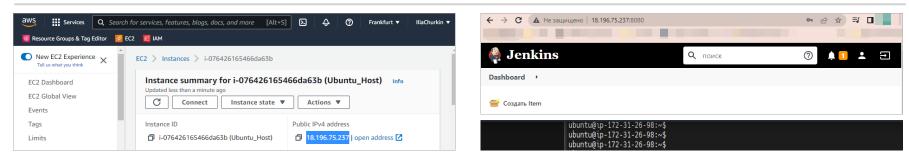
- Like spend time with my family, sport (bicycle), village, travelling, music, nature, etc.
- Communicative person, like to learn something new and move in a positive direction.
- English A2+/B1; Russian/Ukrainian native.
- MS Office, Notepad++, Skype, Virtual Box, Atom, MobaXterm, MS Windows, Ubuntu Linux, etc. Basic knowledge: OOP, Bootstrap, PHP, Laravel, Net Beans, MySQL, Composer. Novice: HTML, CSS, Linux, GitHub, AWS, Bash, Docker, YAML, Docker, Jenkins, Python, Networking.
- Learning DevOps domain since September 2021.

Project Presentation

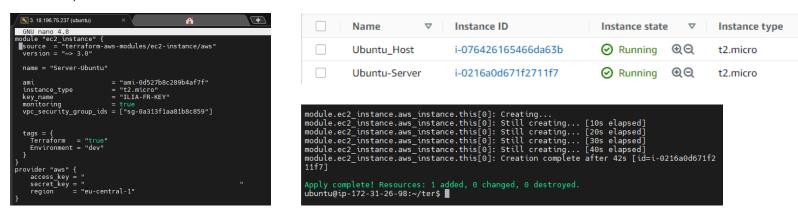
Project Scheme



The Launch and Configuration of AWS EC2 Instances



Started manually the AWS EC2 instance, connected, updated and installed the following tools: Ansible, Terraform, Python, JDK,
 Java, Git.



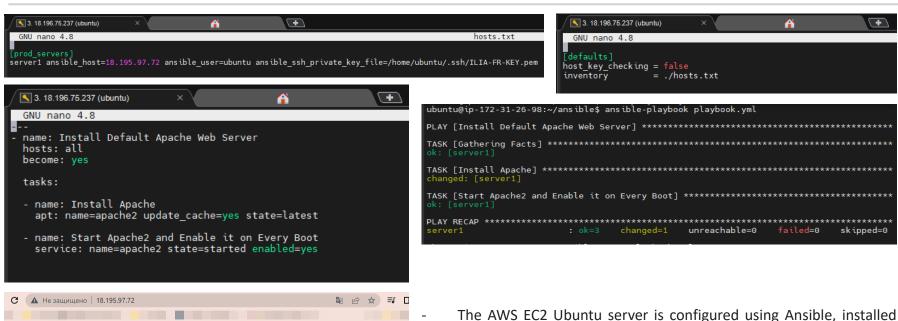
Created the Terraform file and started the AWS EC2 Ubuntu server with Terraform.

EC2 Server Setup Using Ansible

Apache2 Ubuntu Default Page

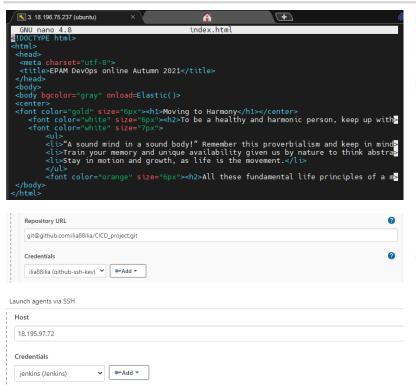
It works!

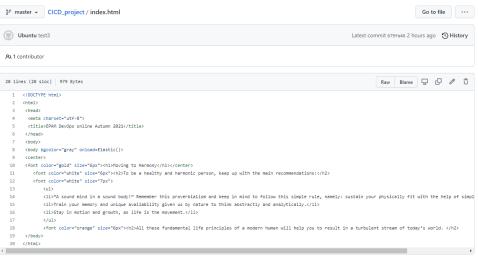
ubuntu



 The AWS EC2 Ubuntu server is configured using Ansible, installed Apache Web Server.

Webpage Deployment





Deployed a webpage from GitHub to AWS EC2 Ubuntu server through Jenkins.

Project Results

Finished: SUCCESS

```
Started by user Ilia Churkin
Running as SYSTEM
Building remotely on Serever-Agent (Server-Agent) in workspace /home/jenkins/workspace/test-job
The recommended git tool is: NONE
using credential github-ssh-key
> git rev-parse --resolve-git-dir /home/jenkins/workspace/test-job/.git # timeout=10
Fetching changes from the remote Git repository
> git config remote.origin.url git@github.com:ilia88ilia/CICD project.git # timeout=10
Fetching upstream changes from git@github.com:ilia88ilia/CICD project.git
> git --version # timeout=10
> git --version # 'git version 2.25.1'
using GIT SSH to set credentials github-ssh-key
> git fetch --tags --force --progress -- git@github.com:ilia88ilia/CICD_project.git +refs/heads/*:refs/remotes/origin/* # timeout=10
> git rev-parse refs/remotes/origin/master^{commit} # timeout=10
Checking out Revision 679fa465ac2846d56a59601e7e05af0361240049 (refs/remotes/origin/master)
> git config core.sparsecheckout # timeout=10
                                                                                                                                  CICD_project/index.html at mast: × \ \( \infty \) test-job [Jenkins]
> git checkout -f 679fa465ac2846d56a59601e7e05af0361240049 # timeout=10
                                                                                                                                 ← → С ▲ Не защищено | 18.195.97.72
Commit message: "test3"
> git rev-list --no-walk 060ee4d85cfaa8b15f5ef93f9f1c942d285110bb # timeout=10
[test-job] $ /bin/sh -xe /tmp/jenkins7383741548329515463.sh
+ sudo cp /home/jenkins/workspace/test-job/index.html /var/www/html
```

Static webpage on the remote server



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To be a healthy and harmonic person, keep up with the main recommendations:

- "A sound mind in a sound body!" Remember this proverbialism and keep in mind to follow this simple rule, namely: sustain your physically fit with the help of simple physical exercises.
- Train your memory and unique availability given us by nature to think abstractly and analytically.
- Stay in motion and growth, as life is the movement.

All these fundamental life principles of a modern human will help you to result in a turbulent stream of today's world.

Thank you