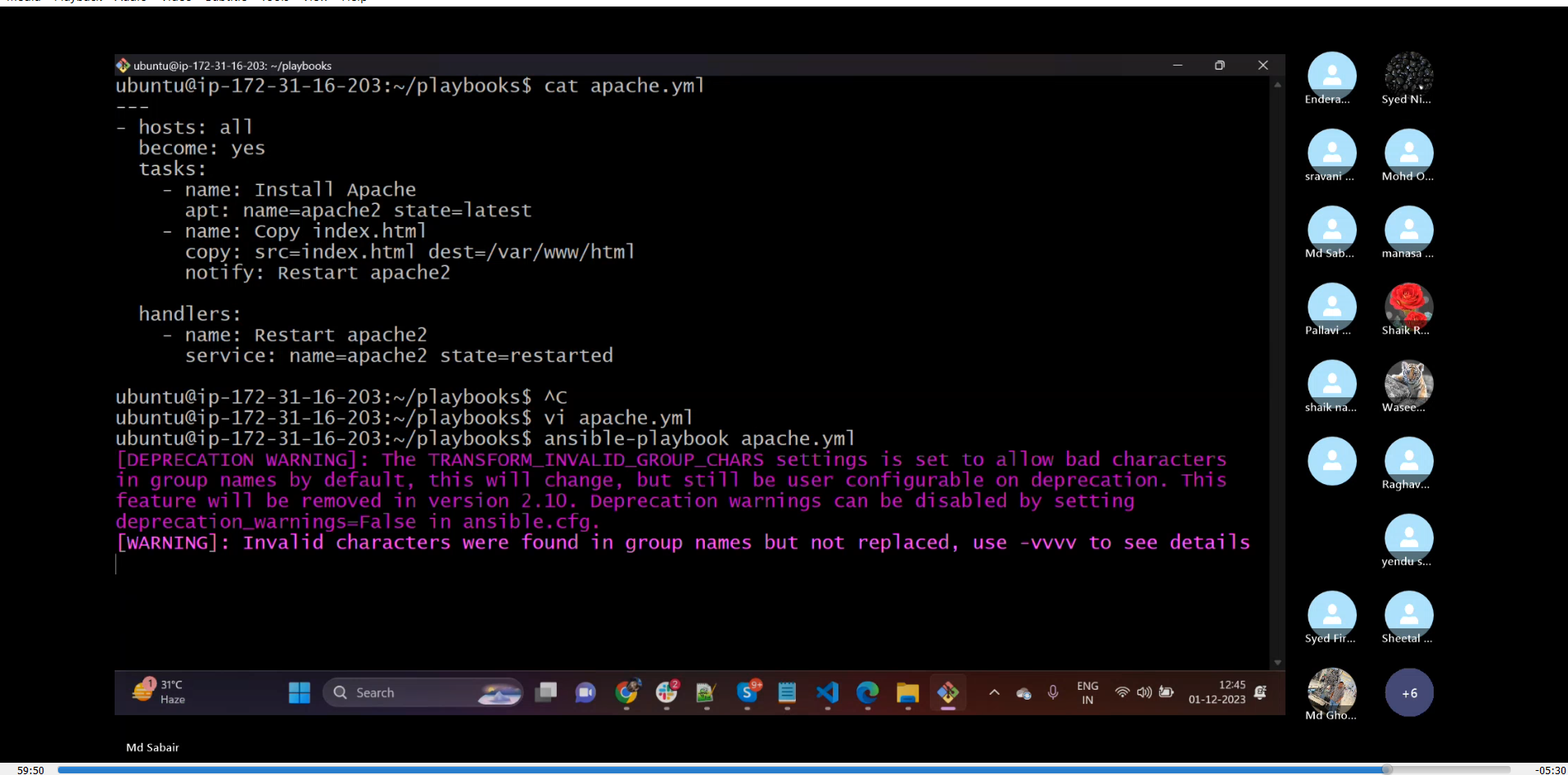
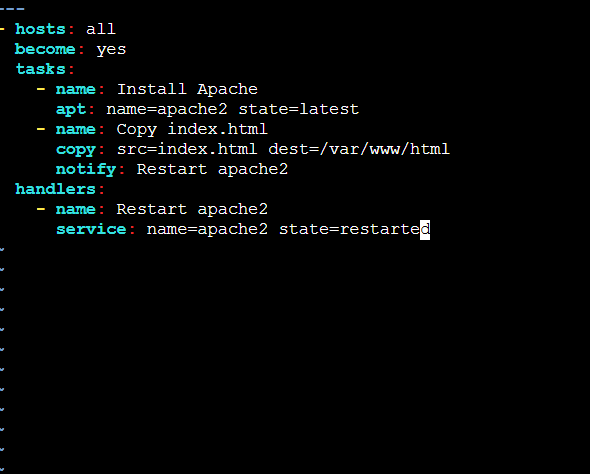
**Ansible-Tasks-02**

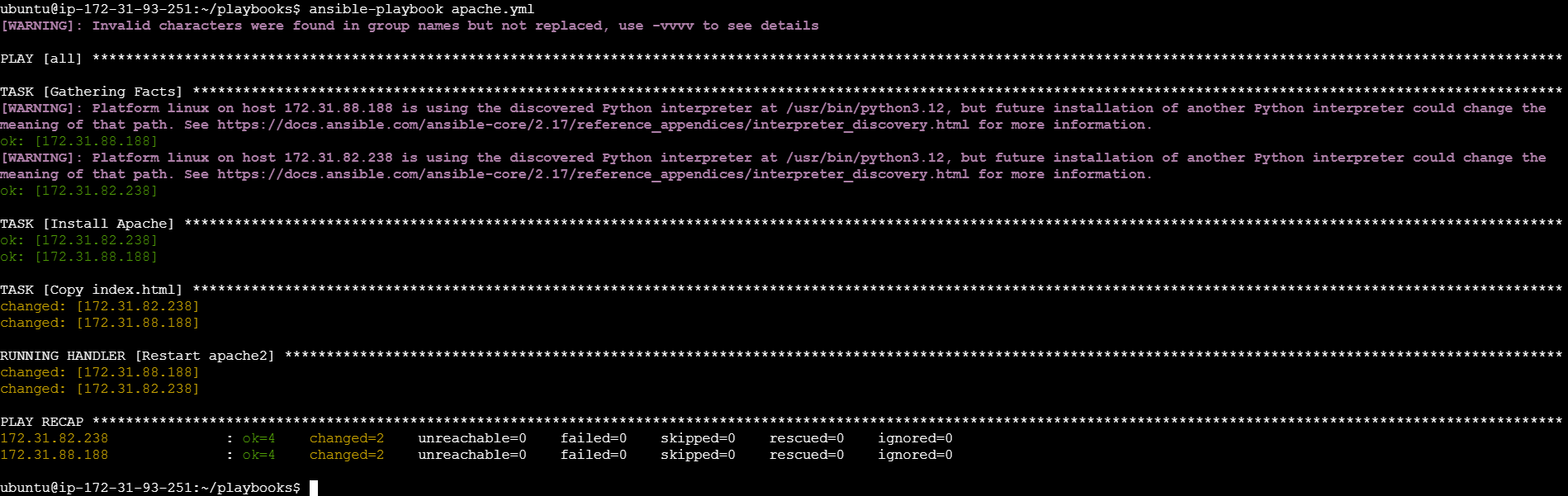
1. **Watch ansible-02 video and write down notes**

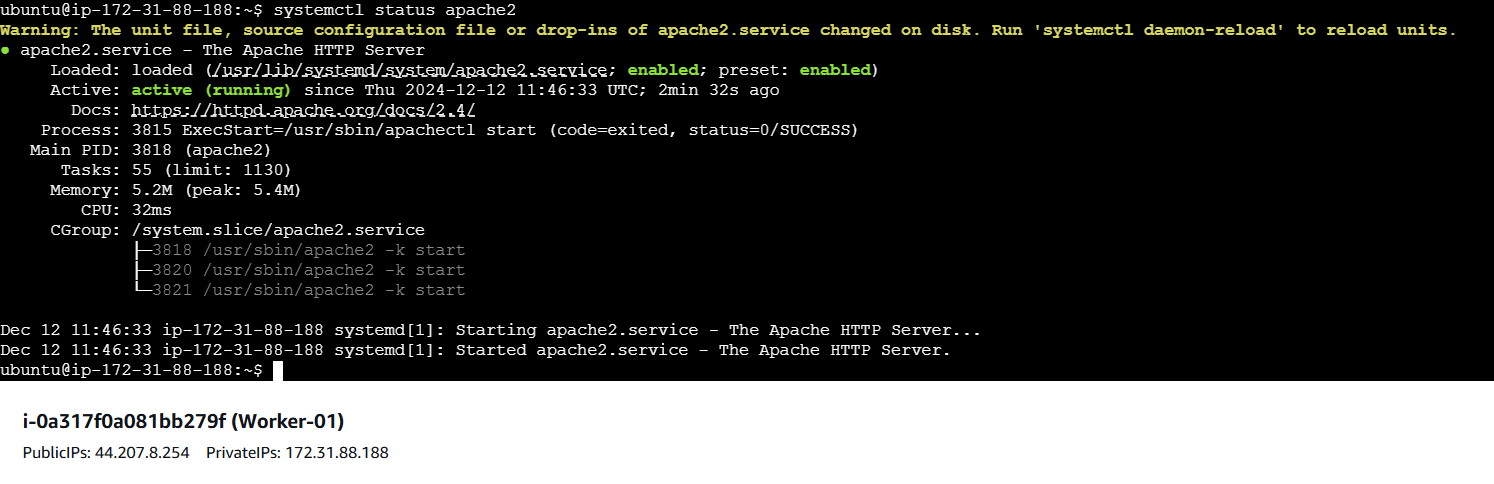


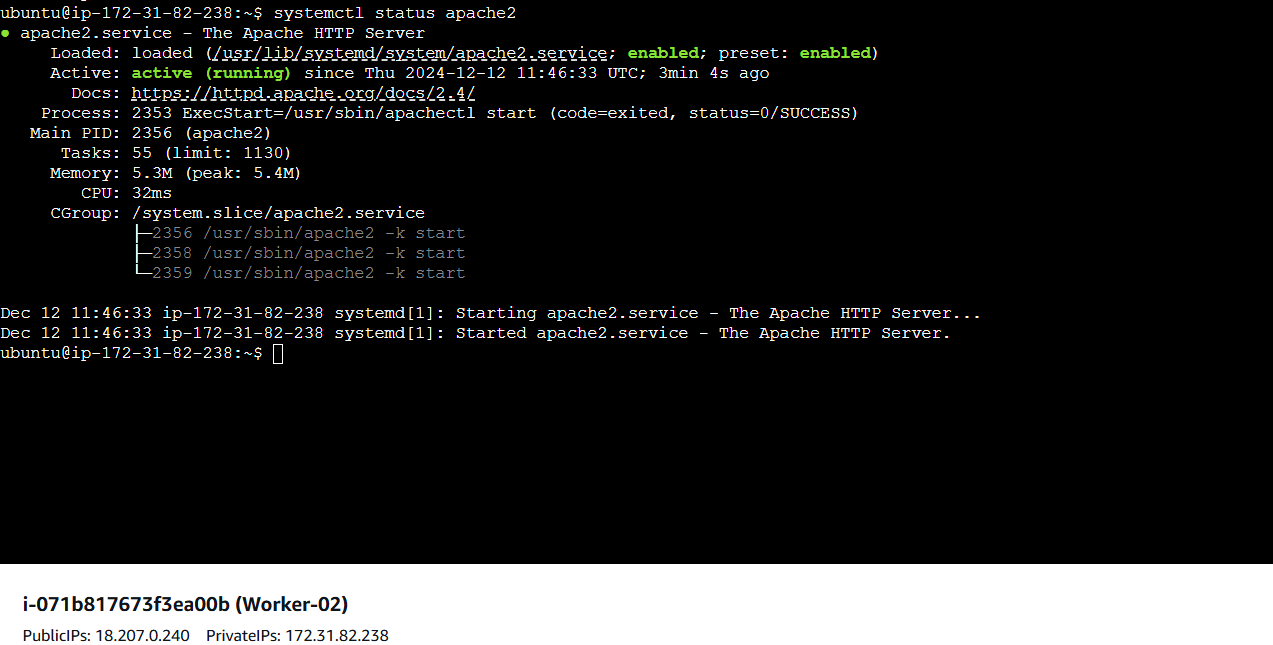
1. **Install httpd using ansible playbook, use handlers, notifiers.**

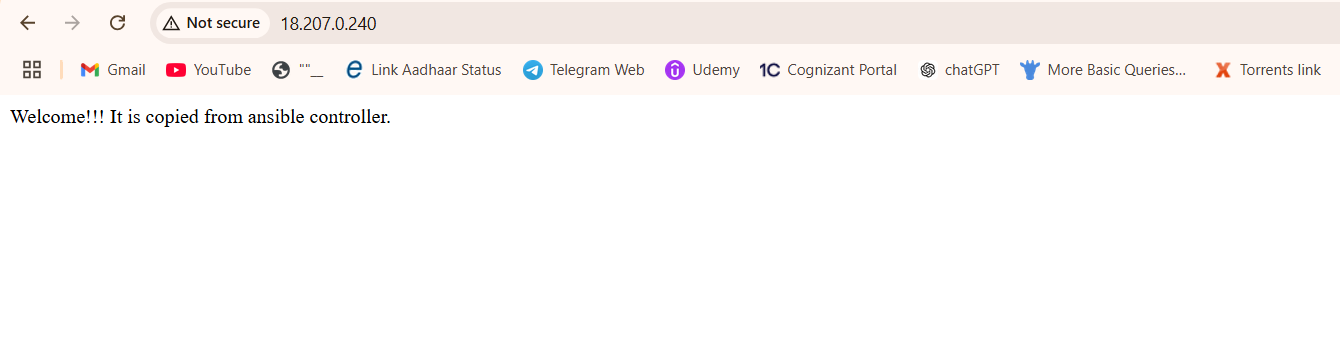
|  |
| --- |
| ---  - hosts: all  become: yes  tasks:  - name: Install Apache  apt: name=apache2 state=latest  - name: Copy index.html  copy: src=index.html dest=/var/www/html  notify: Restart apache2  handlers:  - name: Restart apache2  service: name=apache2 state=restarted |

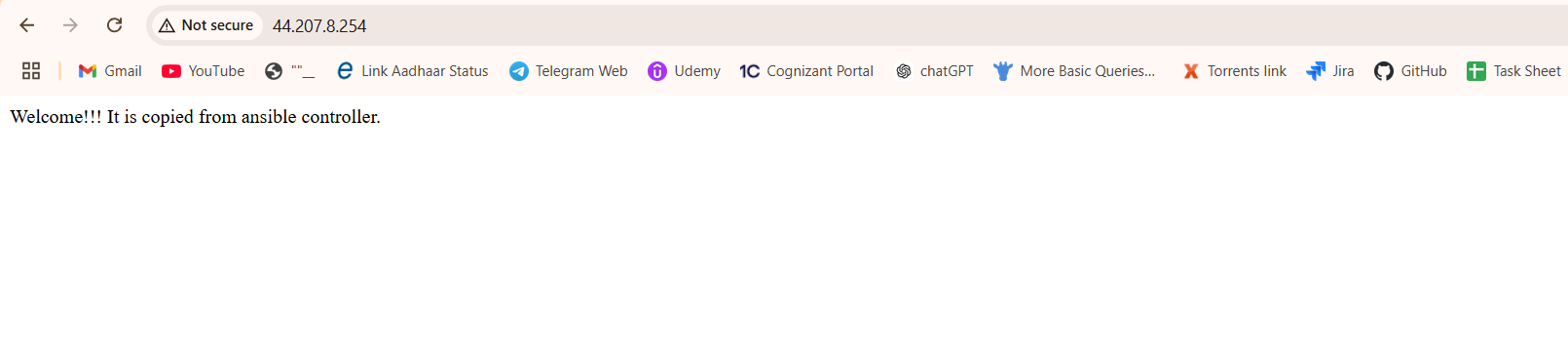
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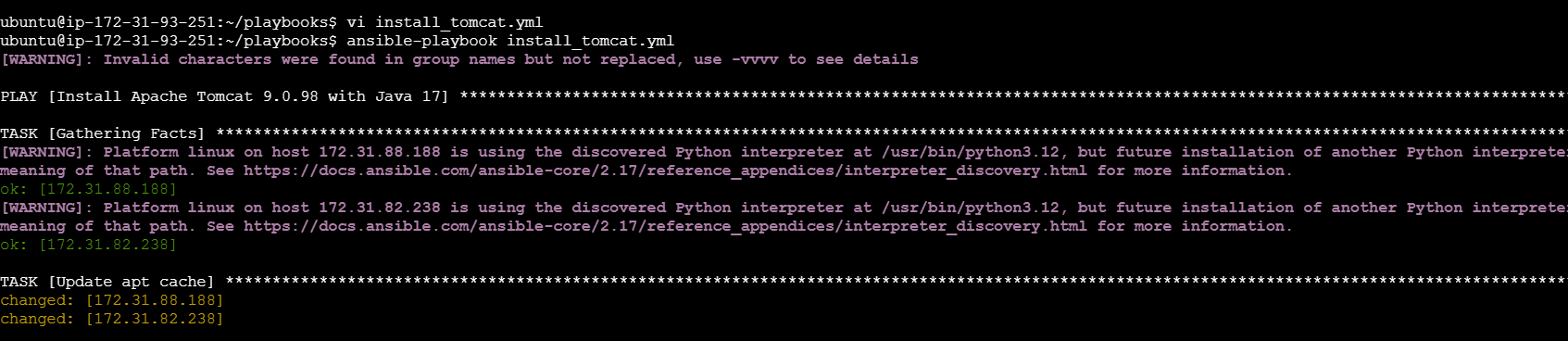
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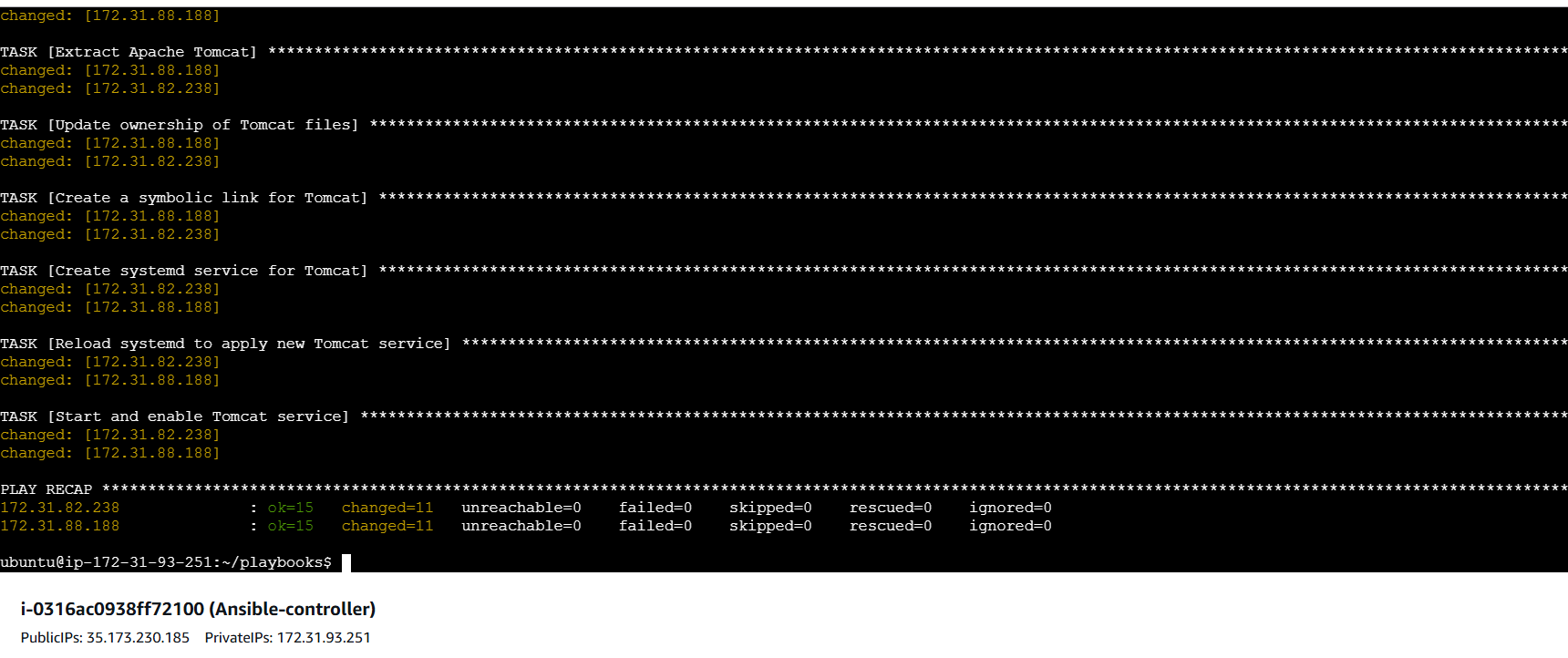
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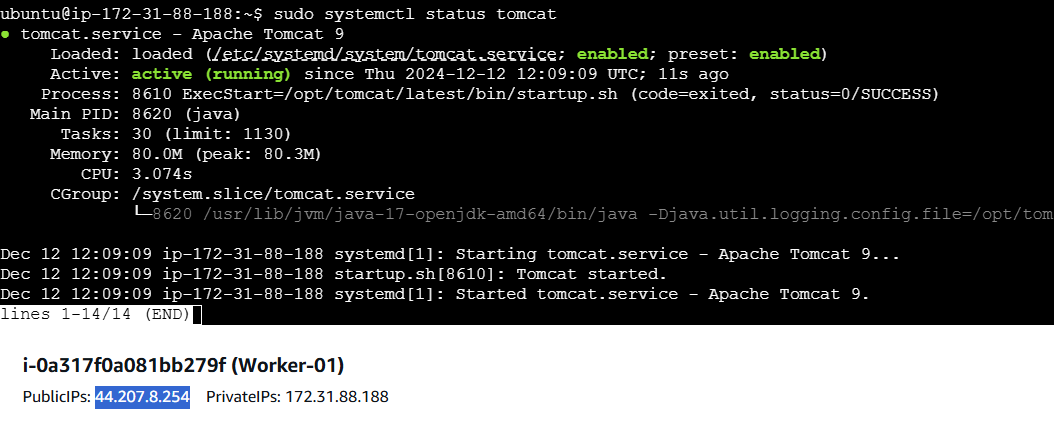
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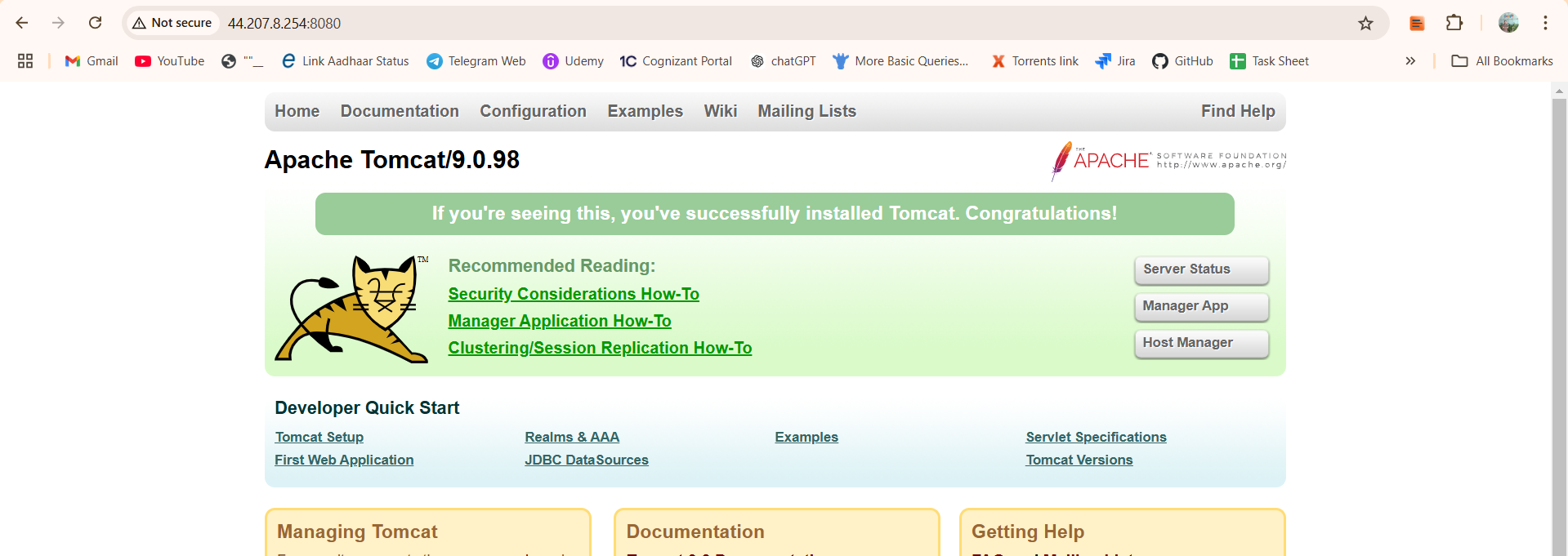
1. **Write an ansible playbook to install apache tomcat.**

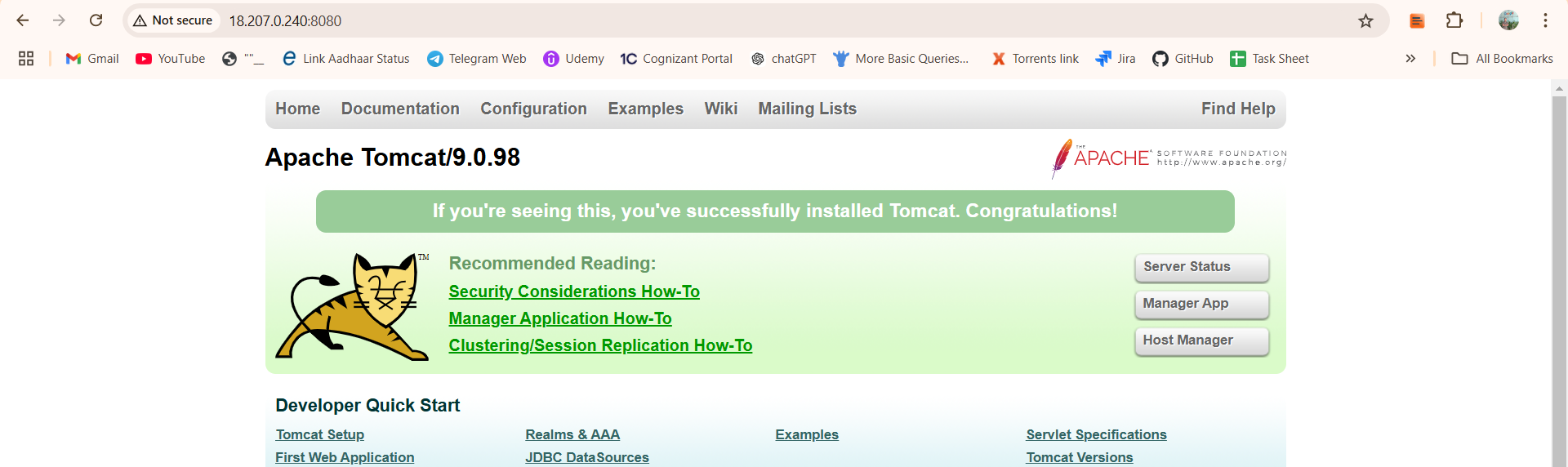
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1. **Write an ansible playbook to provision one ec2 on aws**

**>> *First, we need to export access key, secret key and region as environment variables using the following commands in the controller server:***

export AWS\_ACCESS\_KEY\_ID=your\_access\_key

export AWS\_SECRET\_ACCESS\_KEY=your\_secret\_key

export AWS\_DEFAULT\_REGION=your\_aws\_region

**---**

**- name: Create EC2 instance**

**hosts: localhost**

**connection: local**

**gather\_facts: no**

**vars:**

**instance\_type: t2.micro**

**ami: ami-0e2c8caa4b6378d8c**

**region: us-east-1**

**key\_name: ansible**

**security\_group: default**

**tag\_name: my-ec2**

**tasks:**

**- name: Launch EC2 Instance**

**community.aws.ec2\_instance:**

**key\_name: "{{ key\_name }}"**

**instance\_type: "{{ instance\_type }}"**

**image\_id: "{{ ami }}"**

**region: "{{ region }}"**

**security\_group: "{{ security\_group }}"**

**tags:**

**Name: "{{ tag\_name }}"**

**wait: yes**

**user\_data: ""**

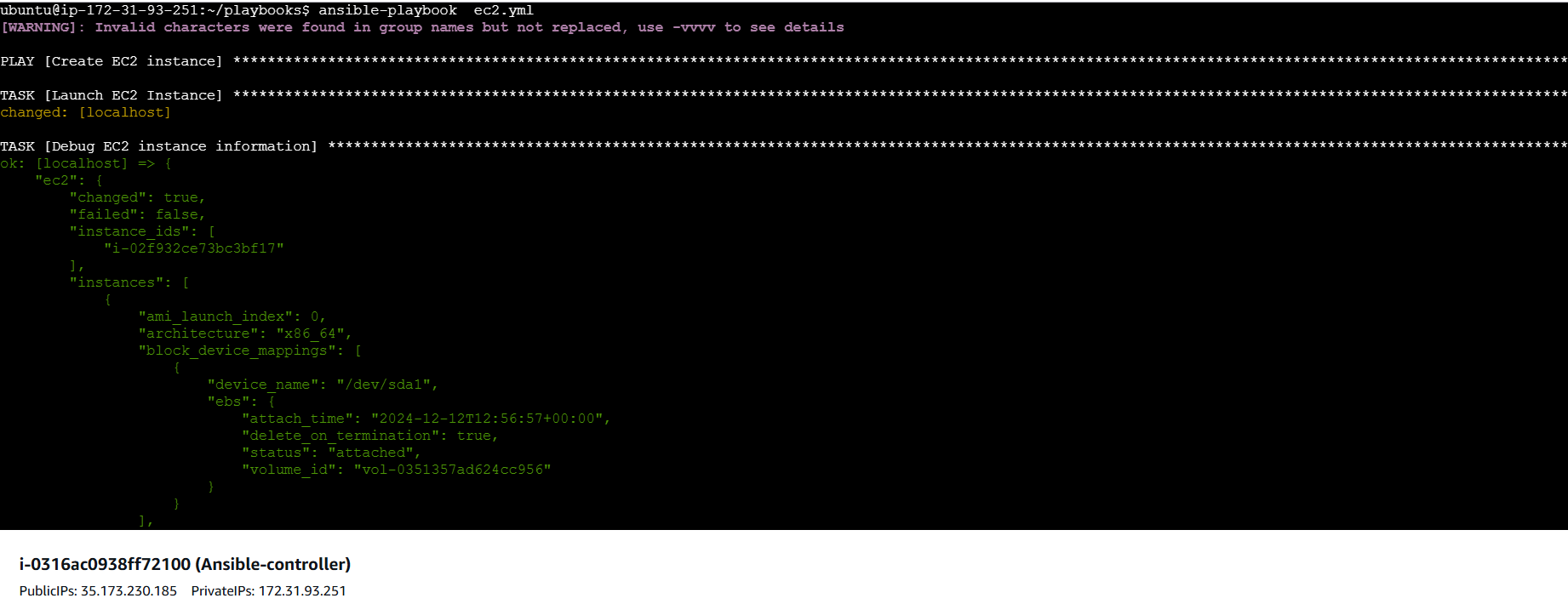
**register: ec2**

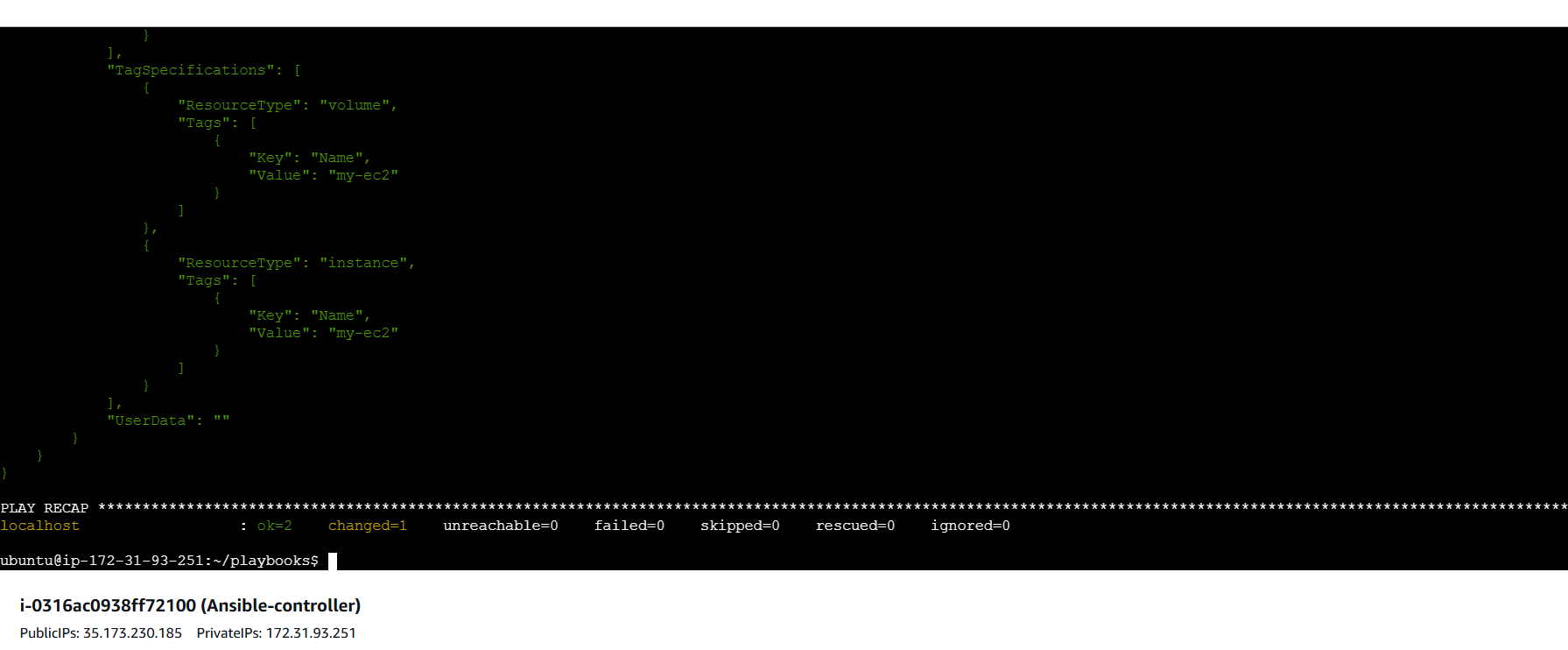
**- name: Debug EC2 instance information**

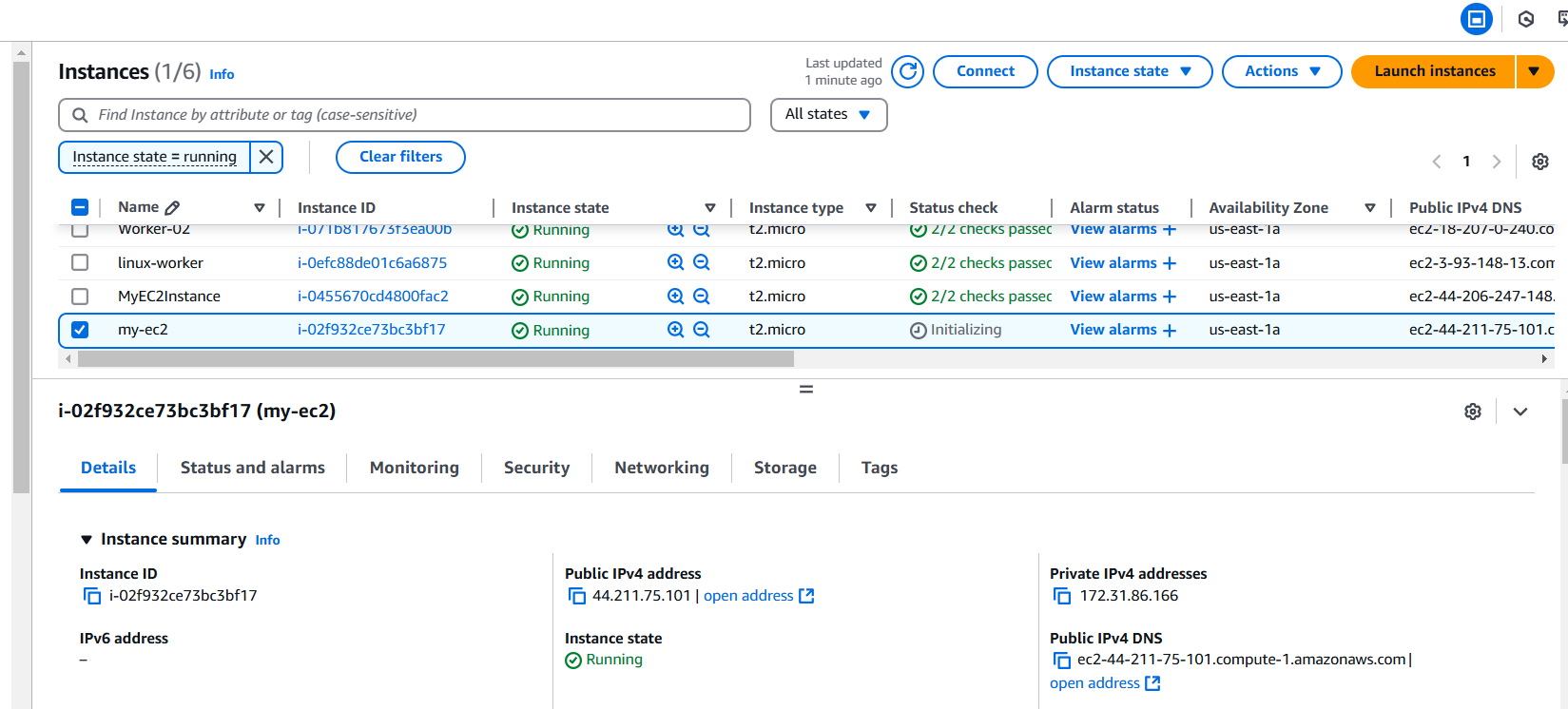
**debug:**

**var: ec2**

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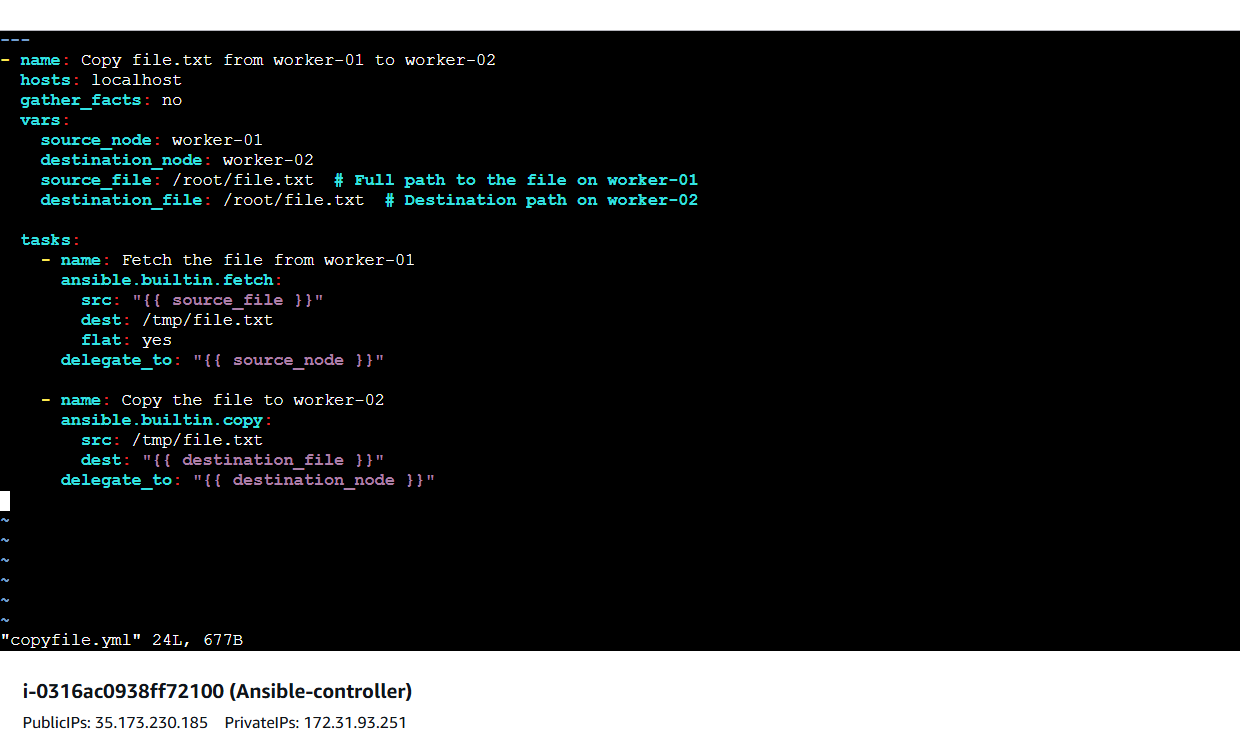
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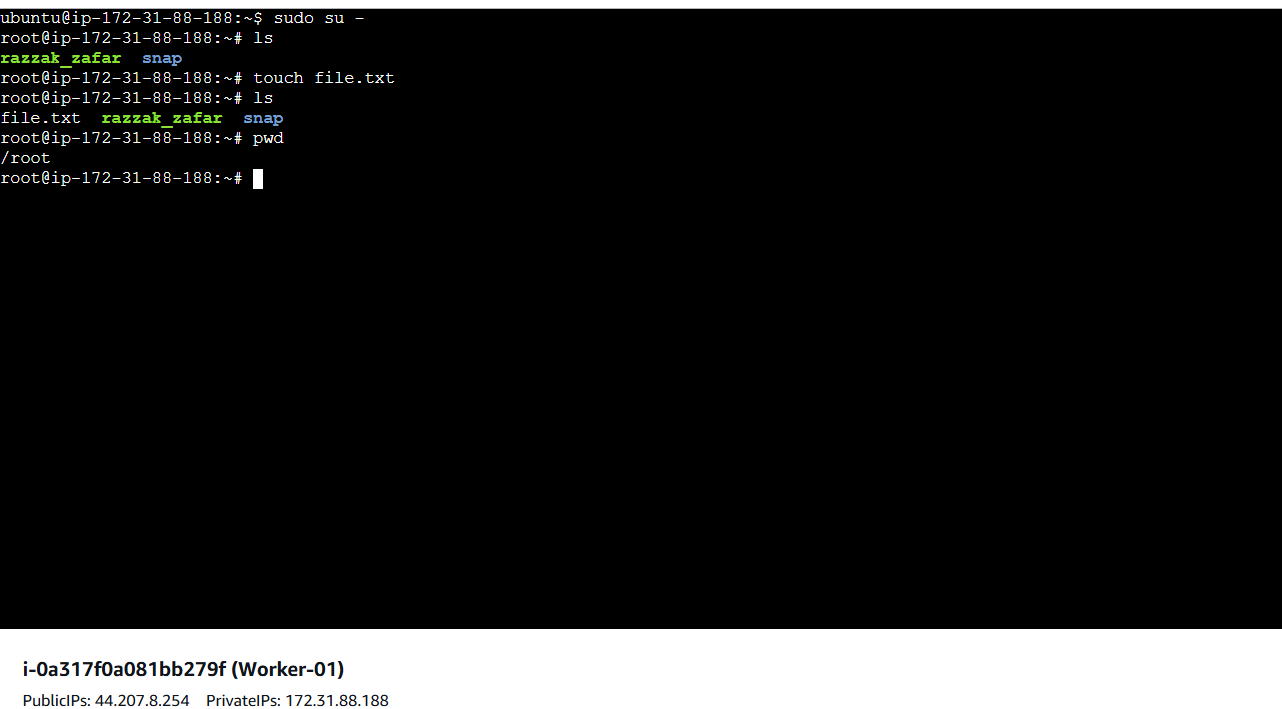
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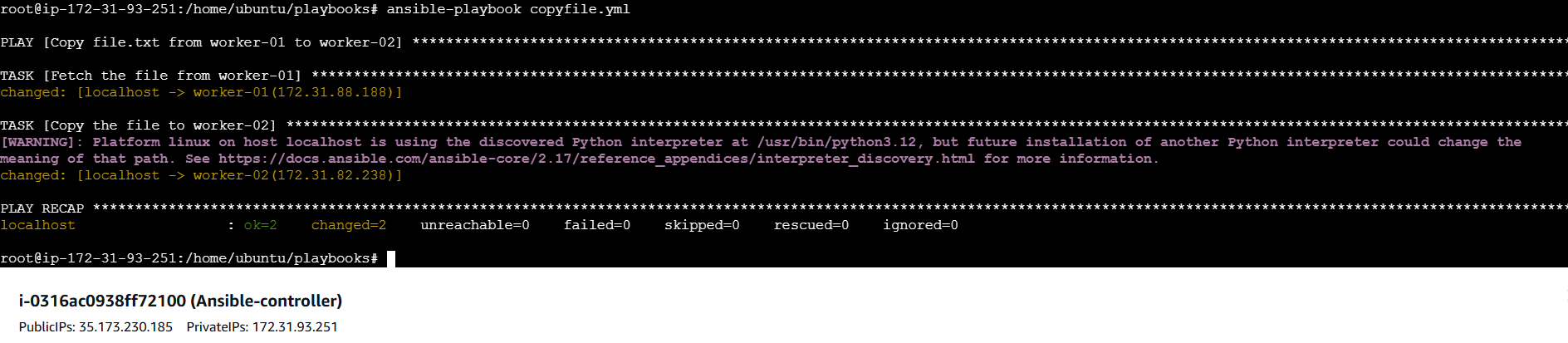
1. **Write a ansible playbook to copy one file from node-1 to node-2.**

|  |
| --- |
| ---  - name: Copy file.txt from worker-01 to worker-02  hosts: localhost  gather\_facts: no  vars:  source\_node: worker-01  destination\_node: worker-02  source\_file: /root/file.txt # Full path to the file on worker-01  destination\_file: /root/file.txt # Destination path on worker-02  tasks:  - name: Fetch the file from worker-01  ansible.builtin.fetch:  src: "{{ source\_file }}"  dest: /tmp/file.txt  flat: yes  delegate\_to: "{{ source\_node }}"  - name: Copy the file to worker-02  ansible.builtin.copy:  src: /tmp/file.txt  dest: "{{ destination\_file }}"  delegate\_to: "{{ destination\_node }}" |

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1. **Write a ansible playbook to create different files with different names using single playbook.**

**---**

**- name: Create Files**

**hosts: all**

**gather\_facts: false**

**tasks:**

**- name: Create files**

**file:**

**path: "{{ item }}"**

**state: touch**

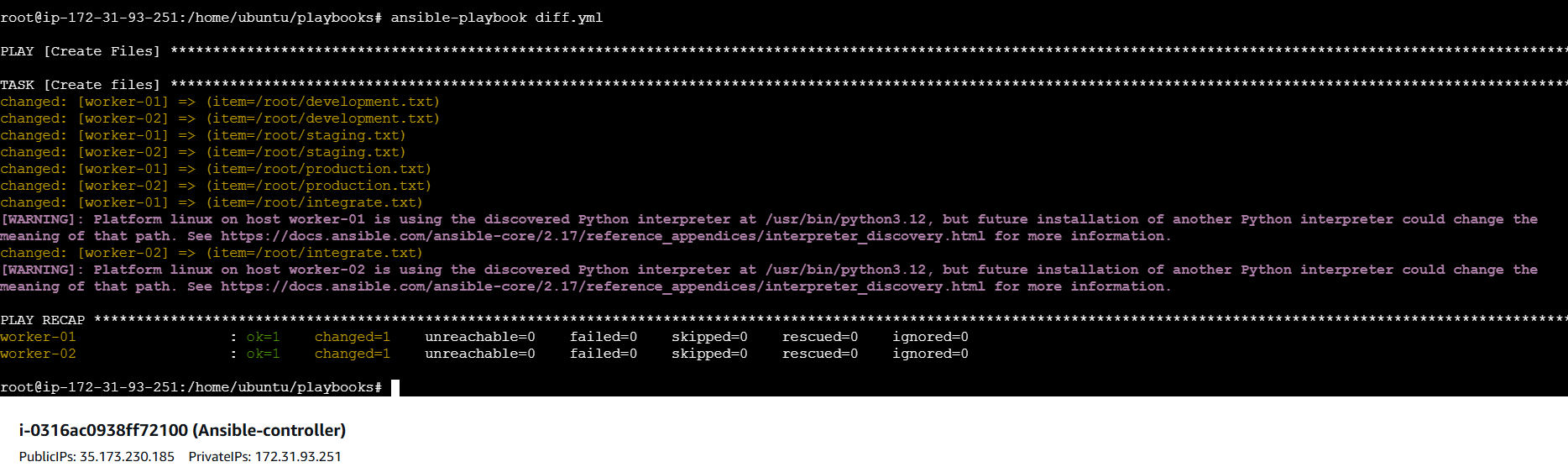
**with\_items:**

**- /root/development.txt**

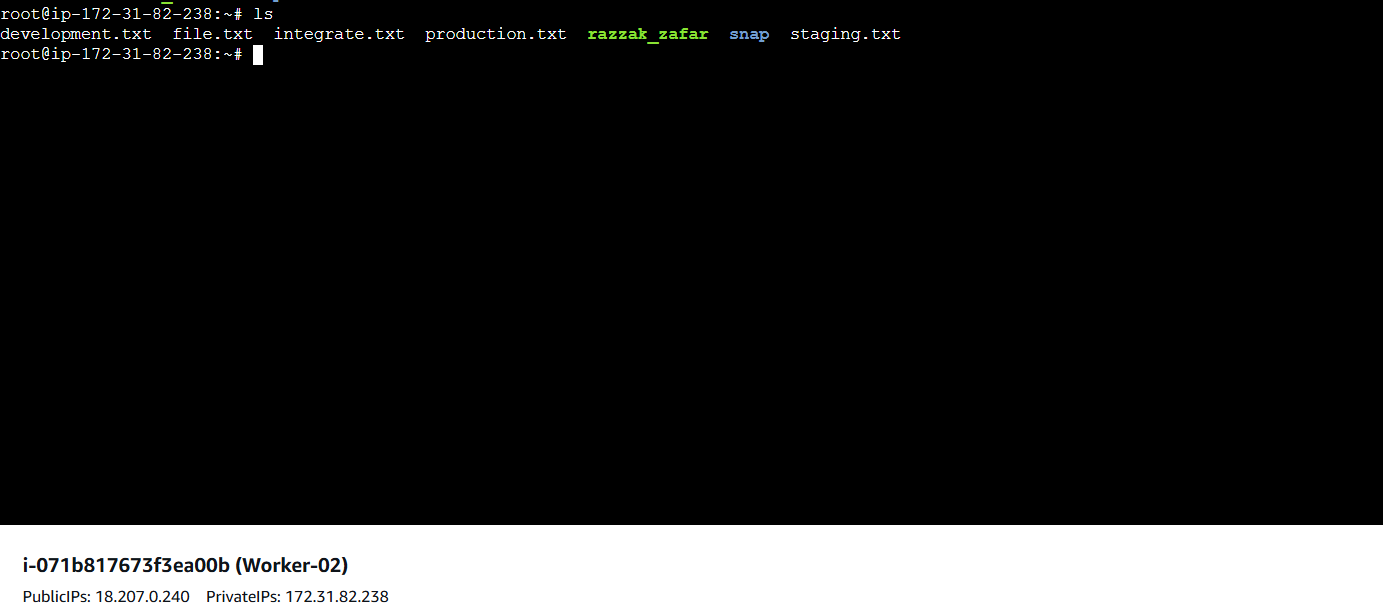
**- /root/staging.txt**

**- /root/production.txt**

**- /root/integrate.txt**

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