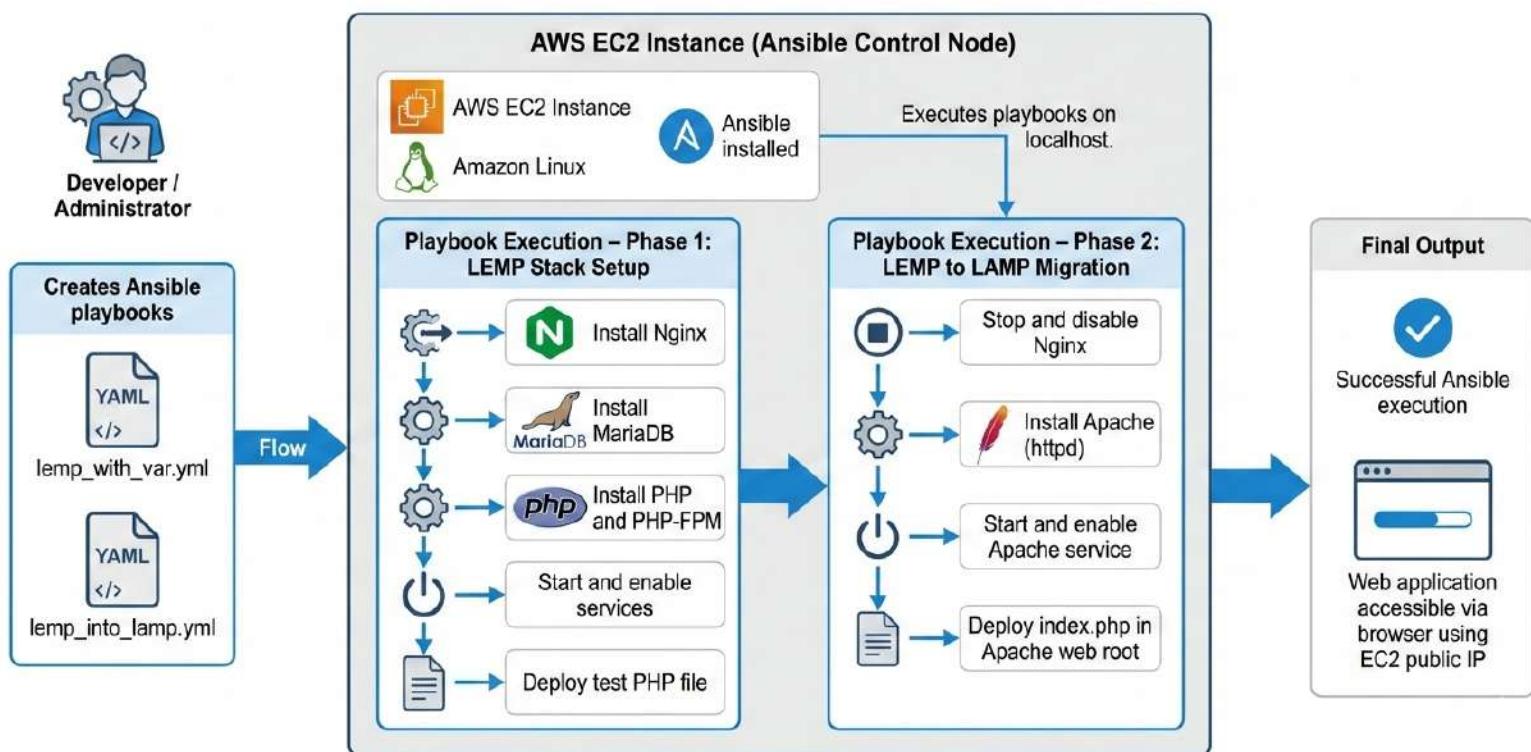


Ansible LEMP to LAMP Migration on AWS EC2



The screenshot shows a Microsoft Visual Studio Code (VS Code) window with the following details:

- File Explorer:** Shows two files: `lemp_into_lamp.yml` and `lemp_with_var.yml`. `lemp_with_var.yml` is the active file.
- Code Editor:** Displays the content of `lemp_with_var.yml`, which is an Ansible playbook for installing a LEMP stack. It includes sections for variables, tasks, and ensure services.
- Terminal:** Shows the command `day 3`.
- Right Panel:**
 - CHAT:** A troubleshooting session for NGINX service startup.
 - Likely root causes (quick):** A list of common issues including nginx config syntax error, port 80/443, SELinux or firewall blocking, and package mismatch.
 - Next actions (choose one):** Options to patch the playbook, run shell commands, or analyze outputs.
- Bottom Status Bar:** Shows file statistics (Ln 37, Col 40), code analysis (Spaces: 2), encoding (UTF-8 CRLF), and a Go Live button.
- System Tray:** Shows weather (25°C Sunny), system icons, and a date/time stamp (16-12-2025).

```
root@ansible:/etc/ansible/pla X + - x
Complete!
[root@ansible playbooks]# ap lamp_var.yml --syntax-check
[WARNING]: No inventory was parsed, only implicit localhost is available
[WARNING]: provided hosts list is empty, only localhost is available. Note that the implicit localhost does not match 'all'

playbook: lamp_var.yml
[root@ansible playbooks]# ap lamp_var.yml
[WARNING]: No inventory was parsed, only implicit localhost is available
[WARNING]: provided hosts list is empty, only localhost is available. Note that the implicit localhost does not match 'all'

PLAY [install LEMP stack with variables] ****
TASK [Gathering Facts] ****
ok: [localhost]

TASK [Install nginx] ****
ok: [localhost]

TASK [Install mariadb] ****
ok: [localhost]

TASK [Install php and php-fpm] ****
ok: [localhost]

TASK [Ensure nginx is started and enabled] ****
changed: [localhost]

TASK [Ensure mariadb is started and enabled] ****
changed: [localhost]

TASK [Ensure php-fpm is started and enabled] ****
changed: [localhost]

TASK [Deploy test PHP file] ****
changed: [localhost]

PLAY RECAP ****
localhost      : ok=8    changed=4    unreachable=0    failed=0    skipped=0    rescued=0    ignored=0

[root@ansible playbooks]# |
```

9 26°C
Sunny



^ ↻ ENG IN 12:58
16-12-2025

The screenshot shows a Microsoft Visual Studio Code (VS Code) interface with the following details:

- File Explorer:** Shows two files: `! lemp_with_var.yml` and `! lemp_into_lamp.yml`. The `! lemp_into_lamp.yml` file is the active tab.
- Code Editor:** Displays the content of the `! lemp_into_lamp.yml` file, which is an Ansible playbook. The file includes tasks for stopping the nginx service, disabling it, installing httpd, enabling it, and deploying an index.php file.
- Terminal:** Shows a command-line interface with the following output:
 - name: show listening ports
 - ansible.builtin.debug:
 - msg: "{{ ss_out.stdout |
- Right Panel:** Includes sections for troubleshooting and next actions.
 - Likely root causes (quick):**
 - nginx config syntax error (run `nginx -t`)
 - Another process already listening on port 80/443.
 - Missing directories or permissions referenced by config.
 - SELinux or firewall blocking (less likely to cause start failure, but possible).
 - Package mismatch or incorrect binary path (rare).
 - Next actions (choose one):**
 - I can patch `! lemp_with_var.yml` to add the diagnostics tasks and mark them in the playbook; tell me to proceed and I will patch it.
 - Or run the shell commands above on the target and paste the outputs here; I'll analyze and give a fix.
- Bottom Status Bar:** Shows the current file is `! lemp_into_lamp.yml`, along with other system information like temperature (25°C), battery status, and date (16-12-2025).

```
root@ansible:/etc/ansible/pla X + - x
be elsewhere in the file depending on the exact syntax problem.

The offending line appears to be:

name: LEMP into LAMP conversion
^ here
[root@ansible playbooks]# nano lemp-into-lamp.yml
[root@ansible playbooks]# ap lemp-into-lamp.yml --syntax-check
[WARNING]: No inventory was parsed, only implicit localhost is available
[WARNING]: provided hosts list is empty, only localhost is available. Note that the implicit localhost does not match 'all'

playbook: lemp-into-lamp.yml
[root@ansible playbooks]# ap lemp-into-lamp.yml
[WARNING]: No inventory was parsed, only implicit localhost is available
[WARNING]: provided hosts list is empty, only localhost is available. Note that the implicit localhost does not match 'all'

PLAY [migrate lemp to lamp stack] ****
TASK [Gathering Facts] ****
ok: [localhost]

TASK [stop nginx service] ****
changed: [localhost]

TASK [disable nginx service] ****
changed: [localhost]

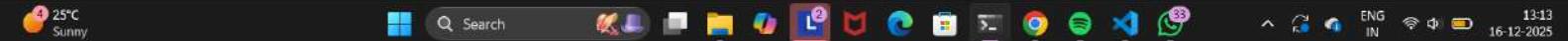
TASK [install httpd package] ****
changed: [localhost]

TASK [start and enable httpd service] ****
changed: [localhost]

TASK [deploy index.php file] ****
changed: [localhost]

PLAY RECAP ****
localhost      : ok=6    changed=5    unreachable=0    failed=0    skipped=0    rescued=0    ignored=0

[root@ansible playbooks]# |
```



Instances | EC2 | ap-south-1 Professional README with Im... KASHISH (Official Music Video)

ap-south-1.console.awsamazon.com/ec2/home?region=ap-south-1#Instances:

EC2 Instances

Successfully initiated starting of i-0d3e9ad050c5c472d

Instances (1/1) Info

Find Instance by attribute or tag (case-sensitive)

All states

| Name | Instance ID | Instance state | Instance type | Status check | Alarm status | Availability Zone | Public IPv4 DNS | Public |
|---------|---------------------|----------------|---------------|--------------|---------------|-------------------|--------------------------|--------|
| Ansible | i-0d3e9ad050c5c472d | Running | t2.micro | Initializing | View alarms + | ap-south-1b | ec2-13-203-207-135.ap... | 13.203 |

i-0d3e9ad050c5c472d (Ansible)

Details Status and alarms Monitoring Security Networking Storage Tags

Instance summary

Instance ID: i-0d3e9ad050c5c472d

IPv6 address: -

Hostname type: IP name: ip-172-31-7-47.ap-south-1.compute.internal

Public IPv4 address copied: 13.203.207.135 | open address

Instance state: Running

Private IP DNS name (IPv4 only): ip-172-31-7-47.ap-south-1.compute.internal

Private IPv4 addresses: 172.31.7.47

Public DNS: ec2-13-203-207-135.ap-south-1.compute.amazonaws.com | open address

CloudShell Feedback Console Mobile App

27°C Sunny

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ENG IN 16-12-2025