

## ✓ Useful Debugging Commands

- Check hosts:

```
bash

ansible -i inventory.ini all -m ping
```

- Run one task ad-hoc:

```
bash

ansible -i inventory.ini webservers -m apt -a "name=nginx state=present" --
become
```

---

Let me know if you're working on **localhost**, **WSL**, or want to manage **multiple servers** or use **roles**.

something i can do on current node only I dont have inventory(also for steps where file is created edited provide basic commands to do that too)

Great — since you're working **locally on your current Ubuntu (WSL) machine** and **don't have an inventory file**, you can run everything on `localhost` **without SSH**.

Here's a simple walkthrough that you can copy-paste and try directly.

## ✓ Goal:

Install `nginx`, start the service, and replace the default HTML page — **on your local machine**.

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## 🔧 Step-by-step Instructions (No Inventory Needed)

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## 1. Create the Playbook File

Create a file named `local-playbook.yml`.

### Command:

```
bash
```

```
nano local-playbook.yml
```

Paste this content:

```
yaml
```

```
---
```

```
- name: Setup NGINX on localhost
  hosts: localhost
  connection: local
  become: true

  tasks:
    - name: Install NGINX
      apt:
        name: nginx
        state: present
        update_cache: yes

    - name: Ensure NGINX is running and enabled
      service:
        name: nginx
        state: started
        enabled: yes

    - name: Copy custom index.html to web root
      copy:
        src: index.html
        dest: /var/www/html/index.html
        owner: www-data
        group: www-data
        mode: '0644'
```

Press `Ctrl + O`, then `Enter` to save.

Press `Ctrl + X` to exit.



## 2. Create the `index.html` file

### Command:

```
bash  
  
nano index.html
```

### Paste this content:

```
html  
  
<html>  
  <body>  
    <h1>Hello from Ansible on localhost!</h1>  
  </body>  
</html>
```

Save and exit ( `Ctrl + O` , `Enter` , `Ctrl + X` ).



## 3. Run the Playbook

### Command:

```
bash  
  
ansible-playbook local-playbook.yml
```

If prompted for a password, enter your **WSL Ubuntu password** (because `become: true` uses `sudo` ).



## Verify It Worked

- Check if `nginx` is installed and running:

```
bash
```

```
systemctl status nginx
```

- Open in your browser:

- Find your WSL IP:

```
bash

hostname -I
```

- Open `http://<your_ip>` in your **Windows browser**.



## Extras (Optional)

If you don't want to type a password each time, you can allow passwordless sudo for your WSL user — or remove `become: true` and run Ansible with:

```
bash

sudo ansible-playbook local-playbook.yml
```

Let me know if you want to extend this playbook with **package removal**, **file editing**, or **cron jobs**.

Do you like this personality?