



[Home](#) > [Blog](#) > [How to setup Ansible Lint extension in VSCode on Windows using WSL](#)

9 mins read

Originally published: November 17, 2024

How to setup Ansible Lint extension in VSCode on Windows using WSL

A step-by-step guide to setup ansible-lint correctly. Fixing errors like 'Ansible-lint is not available. Kindly check the path or disable validation using ansible-lint' in VSCode.

Intro

Welcome! Following this guide to get to know how to setup Ansible Lint extension in Visual Studio Code on Windows with WSL. Here you will find a step-by-step guide to setup ansible-lint correctly. Fixing errors like 'Ansible-lint is not available. Kindly check the path or disable validation using ansible-lint' in VSCode.

To follow this guide, make sure you have WSL (Windows Subsystem for Linux) installed and configured on your Windows machine, with Ansible and ansible-lint properly set up in the WSL environment. We will install the official Ansible extension for VS Code and open your Ansible workspace in VS Code on WSL. Then we will verify that ansible-lint is functioning by creating a simple pipeline. Let's get started!

Prerequisites

Since you want to set up code checking in VSCode using ansible lint, we will assume that you have already installed Visual Studio Code and Ansible in your WSL environment. If not, here is the [link to the official documentation for installing Ansible](#) and [link to download the latest version of VSCode](#). Ansible Lint is installed via pip. If you don't have pip, install it according to the instructions in the official documentation. By the end of the



command ``wsl``.

Step 1: Install Ansible Lint in WSL

The `ansible-lint` command is part of the `ansible-tools` package. It can be installed either independently or along with all Ansible Tools packages (the latter is preferable). To install Ansible Lint in WSL, run the following pip command:

```
pip3 install ansible-dev-tools  
# or pip3 install ansible-lint
```

Step 2: Install Ansible Lint extension in VSCode

Start VSCode and open Extension panel with ``ctrl` + `shift` + `x`` or by clicking on the Extensions icon in the Activity Bar on the side of the VSCode window. Search for "Ansible" in the Extensions panel and install the official Ansible extension by Microsoft. If you can't find it, you can use this [link](#) to install it.



Ansible 790K ★ 3.5
Ansible language support
Red Hat

[DEPRECATED] Ansible 59K ★ 5
Ansible language support
Tomasz Maciążek

ansible-vault 83K ★ 3.5
Encrypt/decrypt ansible-vault file
Eric Ho

VSCode snippets for ... 33K ★ 5
Provide an automatically build set ...
Mattias Baake

Azure REST for Ansible 14K ★ 5
Create, update or delete any Azure...
Zim Kalinowski

ansible-vault-inline 24K ★ 4
Encrypt/decrypt ansible-vault file/l...
wolfmah

Ansible Snippets 3K
Snippets for Ansible Playbooks an...
Travis Michette

Ansible Variable Lookup 4K ★ 5
Helps finding the definition and us...
IkBenGeenRobot

Ansible Vault standalo... 1K ★ 5

Ansible 790,946 ★★★★★ (35)
Ansible language support
Red Hat | redhat.com | Auto Update

Ansible VS Code Extension by Red Hat

This extension adds language support for Ansible to [Visual Studio Code](#) and [OpenVSX](#) compatible editors by leveraging [ansible-language-server](#).

Language association to yaml files

The extension works only when a document is assigned `ansible` language. The following method is used to assign `ansible` language to the document opened by the extension:

Without file inspection

- yaml files under `/playbooks` dir.
- files with the following double extension: `.ansible.yaml` or `.ansible.yml`.
- notable yaml names recognized by ansible like `site.yaml` or `site.yml`
- yaml files having playbook in their filename: `*playbook*.yaml` or `*playbook*.yml`

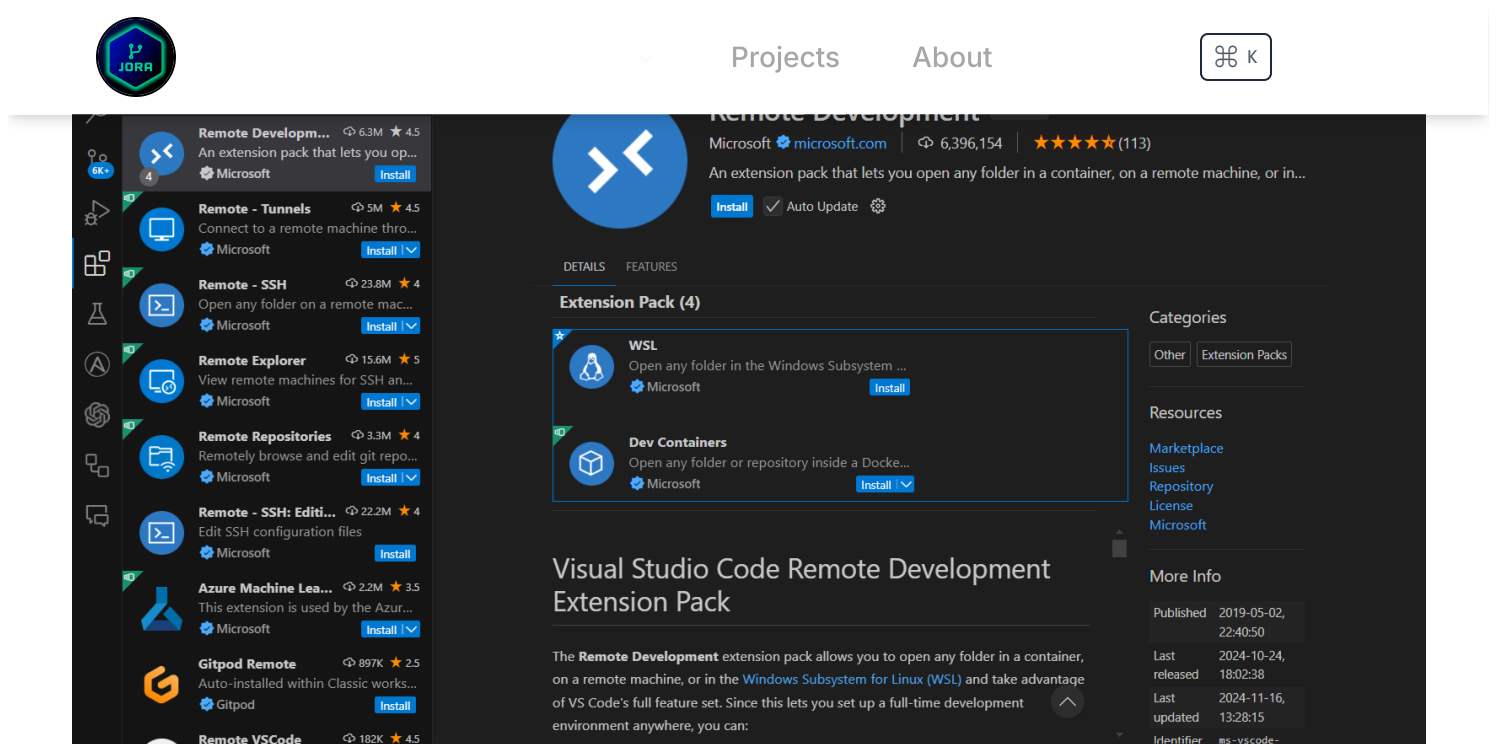
Categories
Programming Languages
Linters

Resources
[Marketplace](#)
[Issues](#)
[Repository](#)
[License](#)
[Red Hat](#)

More Info
Published 2021-08-24, 12:01:54
Last released 2024-10-02, 21:43:22
Identifier redhat.ansible

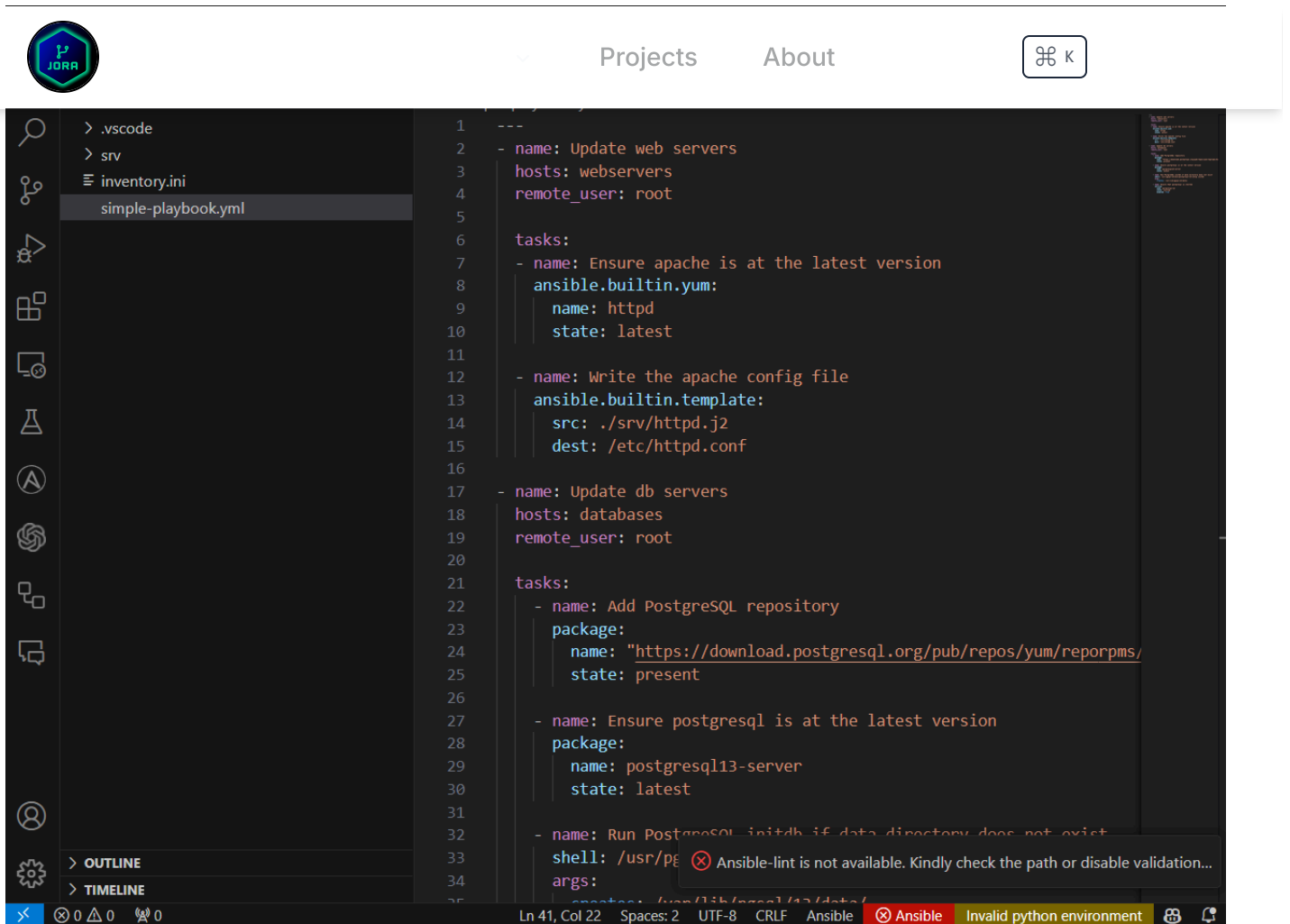
Step 3: Install Remote extension in VSCode

Since Ansible Lint was installed in WSL, we need to install the Remote extension in VSCode. This will allow us to work with files in WSL from VSCode. The extension can be found in the VSCode marketplace by the name "Remote". This is an official extension supported by Microsoft. This extension pack consists of the WSL extension, in addition to the Remote - SSH, and Dev Containers extensions, enabling you to open any folder in a container, on a remote machine, or in WSL. If you can't find it, use this link to install it.

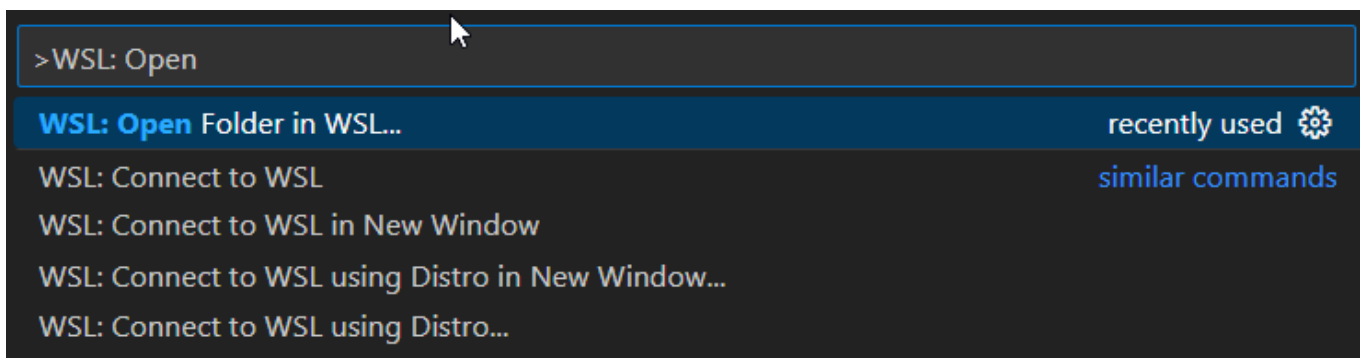


Step 4: Open your ansible workspace in VSCode

For now, if you try to open your Ansible playbooks in VSCode, you will get syntax highlights but also a linting error since VSCode is trying to find Ansible on your Windows host and cannot do it.



To fix this, you should open your project with VSCode on WSL. To do this, open the command panel with `Ctrl + Shift + P`, search for `>WSL: Open Folder in WSL`, and pick your project folder.



Now your project is opened in WSL and linting should run correctly. If your WSL has multiple Python installations, the Ansible extension will let you choose the Python interpreter manually.



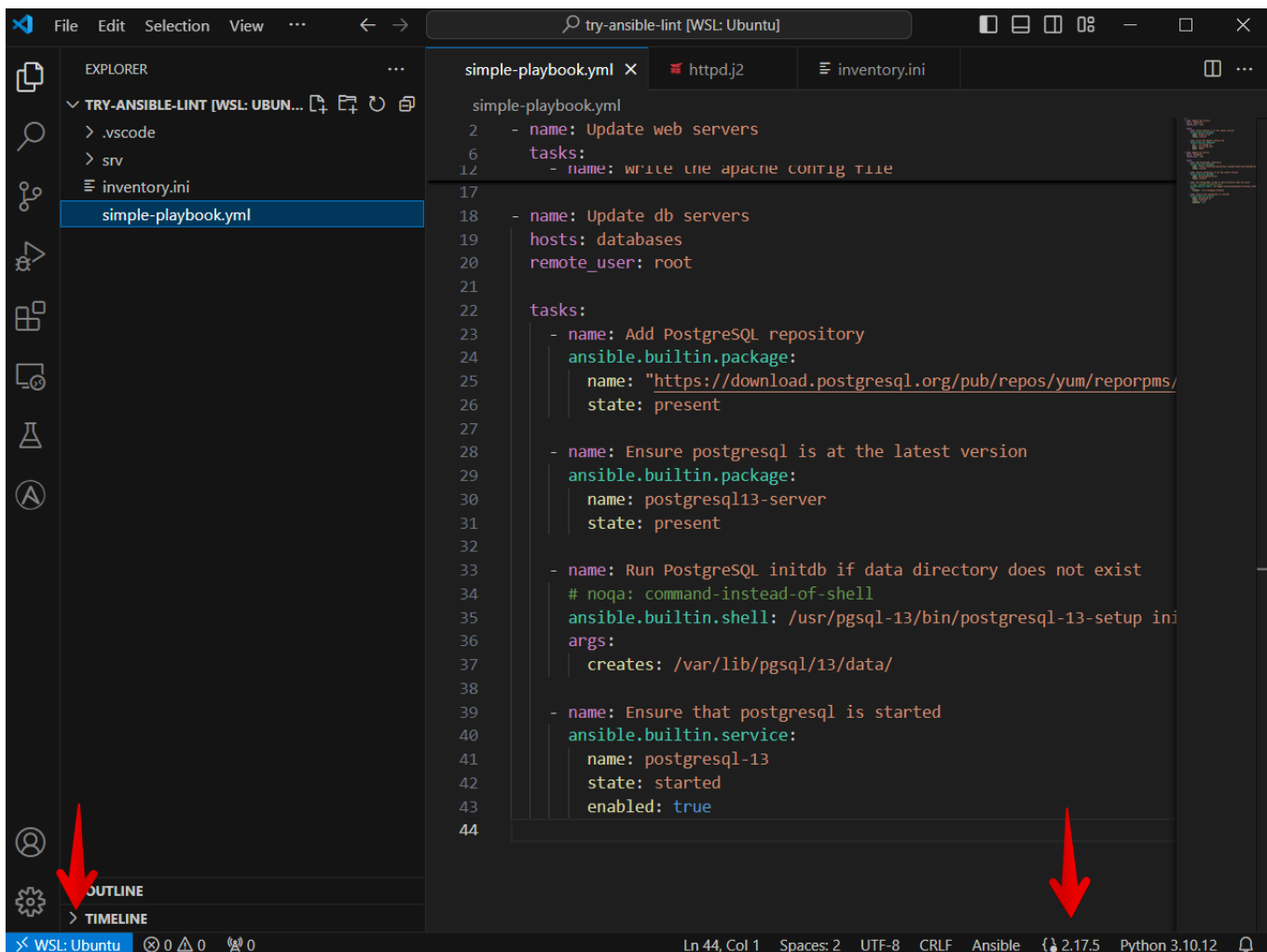
Projects

About



2 UTF-8 CRLF Ansible { 2.17.5 Select python environment

You should now see that your project is opened in WSL, Ansible version detected, and ansible-lint is working correctly.



Step 5: Check working ansible-lint in VSCode

Let's create a simple playbook to check if ansible-lint is working in VSCode. Copy the following code to your Ansible playbook file named `simple-playbook.yml`:



```
hosts: webservers
```

```
remote_user: root
```

```
tasks:
```

- name: Ensure apache is at the latest version

```
ansible.builtin.yum:
```

```
name: httpd
```

```
state: latest
```

- name: Write the apache config file

```
ansible.builtin.template:
```

```
src: ./srv/httpd.j2
```

```
dest: /etc/httpd.conf
```

- name: Update db servers

```
hosts: databases
```

```
remote_user: root
```

```
tasks:
```

- name: Add PostgreSQL repository

```
package:
```

```
name: "https://download.postgresql.org/pub/repos/yum/repos/pms/EL-9-x86_64/pgdg
```

```
state: present
```

- name: Ensure postgresql is at the latest version

```
package:
```

```
name: postgresql13-server
```

```
state: latest
```

- name: Run PostgreSQL initdb if data directory does not exist

```
shell: /usr/pgsql-13/bin/postgresql-13-setup initdb
```

```
args:
```

```
creates: /var/lib/pgsql/13/data/
```

- name: Ensure that postgresql is started

```
service:
```

```
name: postgresql-13
```

```
state: started
```



You will see that there are some errors highlighted in your playbook with the Ansible extension!

If you run ``ansible-lint simple-playbook.yml`` in your WSL terminal, you will see the same errors.

```
WARNING Listing 11 violation(s) that are fatal
fqcn[action-core]: Use FQCN for builtin module actions (ansible.builtin.yum).
initial-playbook.yml:7 Use `ansible.builtin.dnf` or `ansible.legacy.dnf` instead.
package-latest: Package installs should not use latest.
initial-playbook.yml:7 Task/Handler: Ensure apache is at the latest version
yaml[indentation]: Wrong indentation: expected at least 3
initial-playbook.yml:7
risky-file-permissions: File permissions unset or incorrect.
initial-playbook.yml:12 Task/Handler: Write the apache config file
...
```

Read documentation for instructions on how to ignore specific rule violations.

Rule Violation Summary

| count | tag | profile | rule associated tags |
|-------|-------------------------------|------------|----------------------|
| 1 | command-instead-of-shell | basic | command-shell, idiom |
| 1 | yaml[indentation] | basic | formatting, yaml |
| 1 | yaml[new-line-at-end-of-file] | basic | formatting, yaml |
| 2 | package-latest | safety | idempotency |
| 1 | risky-file-permissions | safety | unpredictability |
| 5 | fqcn[action-core] | production | formatting |

Failed: 11 failure(s), 0 warning(s) on 1 files. Last profile that met the validation c

Let's try to fix them using hints from the Ansible VS Code extension! After fixing the highlighted errors, you will get the following valid Ansible playbook:

```
---
- name: Update web servers
  hosts: webservers
  remote_user: root
```




```
- name: Ensure apache is at the latest version
  ansible.builtin.package:
    name: httpd-2.4.62
    state: present

- name: Write the apache config file
  ansible.builtin.template:
    src: ./srv/httpd.j2
    dest: /etc/httpd.conf
    mode: "0644"

- name: Update db servers
  hosts: databases
  remote_user: root

tasks:
  - name: Add PostgreSQL repository
    ansible.builtin.package:
      name: "https://download.postgresql.org/pub/repos/yum/reporpms/EL-9-x86_64/pgdg
      state: present

  - name: Ensure postgresql is at the latest version
    ansible.builtin.package:
      name: postgresql13-server
      state: present

  - name: Run PostgreSQL initdb if data directory does not exist
    # noqa: command-instead-of-shell
    ansible.builtin.shell: /usr/pgsql-13/bin/postgresql-13-setup initdb
    args:
      creates: /var/lib/pgsql/13/data/

  - name: Ensure that postgresql is started
    ansible.builtin.service:
      name: postgresql-13
      state: started
      enabled: true
```



Ansible files. To do this, you need to create a `.ansible-lint` file in the root of your Ansible project. For example, to prevent highlighting errors for using built-in modules without the prefix `ansible.builtin`, you could create the following `.ansible-lint` file:

```
---
skip_list:
  - fqcn-builtins
```

PROFIT!

If you find it usefull please follow me on [Github](#) to be notified about new lessons and content.

Useful links

- [Install Ansible](#)
- [Install Ansible Lint](#)
- [VSCode Ansible extension](#)
- [VSCode Remote extension](#)
- [How to open a WSL project in VSCode](#)
- [Install WSL](#)
- [Install VSCode](#)
- [Install pip](#)

ansible howto wsl

Share



Projects

About



© 2026 [@joradev](#)

Source code available on [GitHub](#).