

# From Zero to Hero

## How to build the Ansible Pilot Community

15 Feb 2022 – Luca Berton

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# Who is Luca Berton?

🇮🇹 Ansible Automation Engineer  
at Red Hat, Brno 🇨🇪

15 years System Administrator  
Infrastructure Hardening and  
Automation

Open Source enthusiast



```
3  hosts:all
4  become: true
5  vars:
6    share: "/nfs/share"
7    options: "192.168.0.0/24(rw, sync, root_squash)"
8    permission: '0777'
9  tasks:
10    - name: NFS server installed
11      ansible.builtin.yum:
12        name:
13          - nfs-utils
14          - nfs4-acl-tools
15        state: present
16
17    - name: share directory
18      ansible.builtin.file:
19        path: "{{ share }}"
20        state: directory
21        mode: "{{ permission }}"
22        owner: root
23        group: root
24
25    - name: share in /etc/exports
26      ansible.builtin.lineinfile:
27        path: /etc/exports
28        state: present
29        line: "{{ share }}"
30        notify: restart NFS
31
32    - name: export share
33      ansible.builtin.exportfs:
34        share: "{{ share }}"
35
36    - name: firewall enable
37      ansible.posix.firewalld:
38        service: "{{ item }}"
39        state: enabled
40        permanent: true
41        immediate: true
42      with_items:
43        - nfs
44        - rpc-bind
45        - mountd
46
47  handlers:
48    - name: restart NFS server
49      ansible.builtin.service:
50        name: nfs-server
51        state: restarted
52        enabled: true
```

```
PLAY [nfs service demo] *****
TASK [Gathering Facts] *****
ok: [demo.example.com]

[...]
```

Don't  
panic!

```
PLAY [nfs service demo] *****
TASK [Gathering Facts] *****
ok: [demo.example.com]

[...]
```

```
RUNNING HANDLER [restart NFS server] *****
changed: [demo.example.com]

PLAY RECAP *****
demo.example.com : ok=7 changed=6 unreachable=0
```



---

# Ansible Pilot Community

# Topics

## Installation

```
Verifying 1:sshpass-1.09-4.el9.x86_64
Installed products updated.

Installed:
  ansible-core-2.12.2-1.el9.x86_64
  git-2.31.1-2.el9.2.x86_64
  git-core-2.31.1-2.el9.2.noarch
  perl-Git-2.31.1-2.el9.2.noarch
  python3-babel-2.9.1-2.el9.noarch
  python3-cryptography-3.4.7-6.el9.x86_64
  python3-markupsafe-1.1.1-12.el9.x86_64
  python3-ply-3.11-13.el9.noarch
  python3-pyc-2021.1-4.el9.noarch
  sshpass-1.09-4.el9.x86_64

Complete!
[root@centos-stream ~]# ansible --version
ansible [core 2.12.2]
  config file = /etc/ansible/ansible.cfg
  configured module search path = ['/root/.ansible/plugins/modules', '/usr/share/ansible/plugins/modules']
  ansible python module location = /usr/lib/python3.9/site-packages/ansible
  ansible collection location = /root/.ansible/collections:/usr/share/ansible/collections
  executable location = /bin/ansible
  python version = 3.9.8 (main, Nov 8 2021, 00:00:00) [x86_64-linux]
  jinja2 version = 2.11.3
  libyaml = True
```

## Playbook Linux Red Hat Debian Windows

```
PLAY [this service demo] *****

TASK [Gathering Facts] *****
ok: [demo.example.com]

TASK [NFS server installed] *****
changed: [demo.example.com]

TASK [share directory exists] *****
changed: [demo.example.com]

TASK [share in /etc/exports file] *****
changed: [demo.example.com]

TASK [export share] *****
changed: [demo.example.com]

TASK [firewall enabled] *****
changed: [demo.example.com] => (item=nfs)
changed: [demo.example.com] => (item=pc-bind)
changed: [demo.example.com] => (item=mountd)

RUNNING HANDLER [restart NFS server] *****
changed: [demo.example.com]

PLAY RECAP *****
```

## Troubleshooting

```
ERROR: 'task' is not a valid attribute for a Play

The error appears to be in '/Users/iberton/prj/github/ansible-pilot/troubleshooting/invalid_play_attribute_error.yml': line 2, column 3, but may
be elsewhere in the file depending on the exact syntax problem.

The offending line appears to be:

---
  - name: file module demo
    ^ here
ansible-pilot $ ansible-playbook -i virtualmachines/demo/inventory troubleshooting/invalid_play_attribute_f
ix.yml

PLAY [file module demo] *****
TASK [Gathering Facts] *****
ok: [demo.example.com]

TASK [Creating an empty file] *****
changed: [demo.example.com]

PLAY RECAP *****
demo.example.com : ok=2 changed=1 failed=0 skipped=0 rescued=0 ignored=0
```



Mahaboob Alam • 3 months ago

Thanks, Ansible Pilot. After running several videos nothing really could direct to the right solution. your solution is worked amazingly!!! keep posting new solutions.



Ali Farhani • 3 weeks ago

Thanks, I have been looking for this kind of video for a year or so. Besides Python 3.8 or later, does Ansible 2.11 need any particular Python module prior to installing using python3 -m pip option?



Luiz Fernando de Almeida Mattos • 3 months ago

Thanks a lot! I was having a hard time to install this and finally worked



Full Benz • 2 weeks ago

Nice.

• 1 month ago



avishay hakim • 2

Thank you - this video saved me hours of troubleshooting :)

i just want to say thanks



Manoj Tomar • 2 months ago

you are best i have staked by this problem since two weeks now your video worked perfectly thanks!



Emil Colina • 13 days ago

You save my study, thank soo much, when i'll back soon 🙏🙏🙏

I just subscribed you, yesterday, And you are here with big ears 🐶🐶🐶  
marry christmas 🎅🎅  
love from india...



Ravi Raj Kumawat • 12 days ago

Thanks a lot!



Hayder Alobaidi • 2 months ago

keep going man one day , people will realize how cool is your explanation. I have subscribed the channel. Thanks a lot



Synth C • 3 weeks ago

I like the error, because i to lean so much, Great video thank u so much!



Sadham Hussain • 7 hours ago

Great videos from your channel.Quick question:So you created a playbook on windows machine and you run the playbook from a linux terminal?can I run a Ansible playbook from a windows terminal?



Raghu Veer • 1 month ago

Nice explanation , i am expecting more videos related to Ansible , please do one video on Basic Ansible play book



avishay hakim • 2 weeks ago

Thank you - this video saved me hours of troubleshooting :)

REPLY

1 reply ^



1



Rushikesh gawali • 2 months ago

Best explanation ever seen 👍



Synth C • 1 month ago

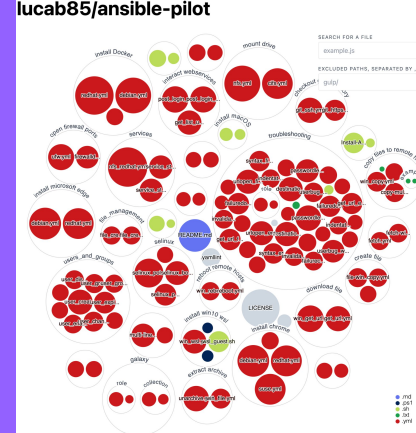
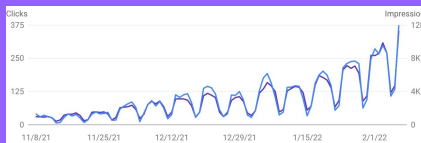
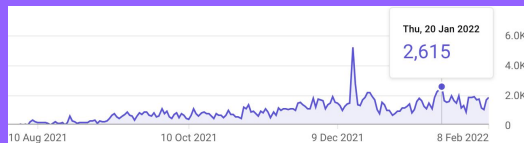
its so great! gold! thank u so much!!



345\_SYIT\_ MustakimSayyed • 2 months ago

a very good vidio its help me to tackle my problem thank a lot .

# Media



ansiblepilot.com



25,7K views

137 videos

20 hours

10K+ views/month

5,4K reads



2K LOC

YAML, Bash, Markdown,  
HTML, PowerShell, Ruby



# Video engagement

Analytics

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## Key moments for audience retention

[Send us feedback](#)

Latest videos (last 365 days)

Video

	How to install Ansible on Windows	Views	408
	(Solved) Windows 10: How to install Ansible	Average view duration	2:08
	Copy files to Windows from Linux - Ansible Troubleshooting	Average percentage viewed	35.7%
	Reboot remote host with Ansible		
	Ansible troubleshooting - PowerShell incompatible with the sudo become plugin		
	Change user password - Ansible module user		
	Mount an NFS share in Linux - Ansible module mount		
	User password expiration - Ansible module user		
	Create a directory - Ansible module file		
	Ansible troubleshooting - PowerShell incompatible with the sudo become plugin		

### Change user password - Ansible module user

Views

408

Average view duration

2:08

Average percentage viewed

35.7%

[GO TO VIDEO ANALYTICS](#)

Intro

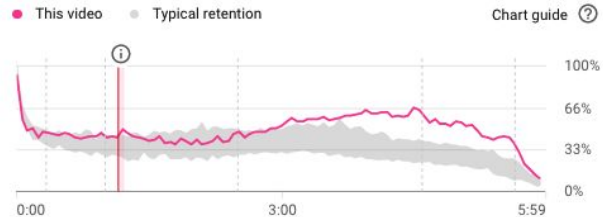
Top moments

Spikes

Dips

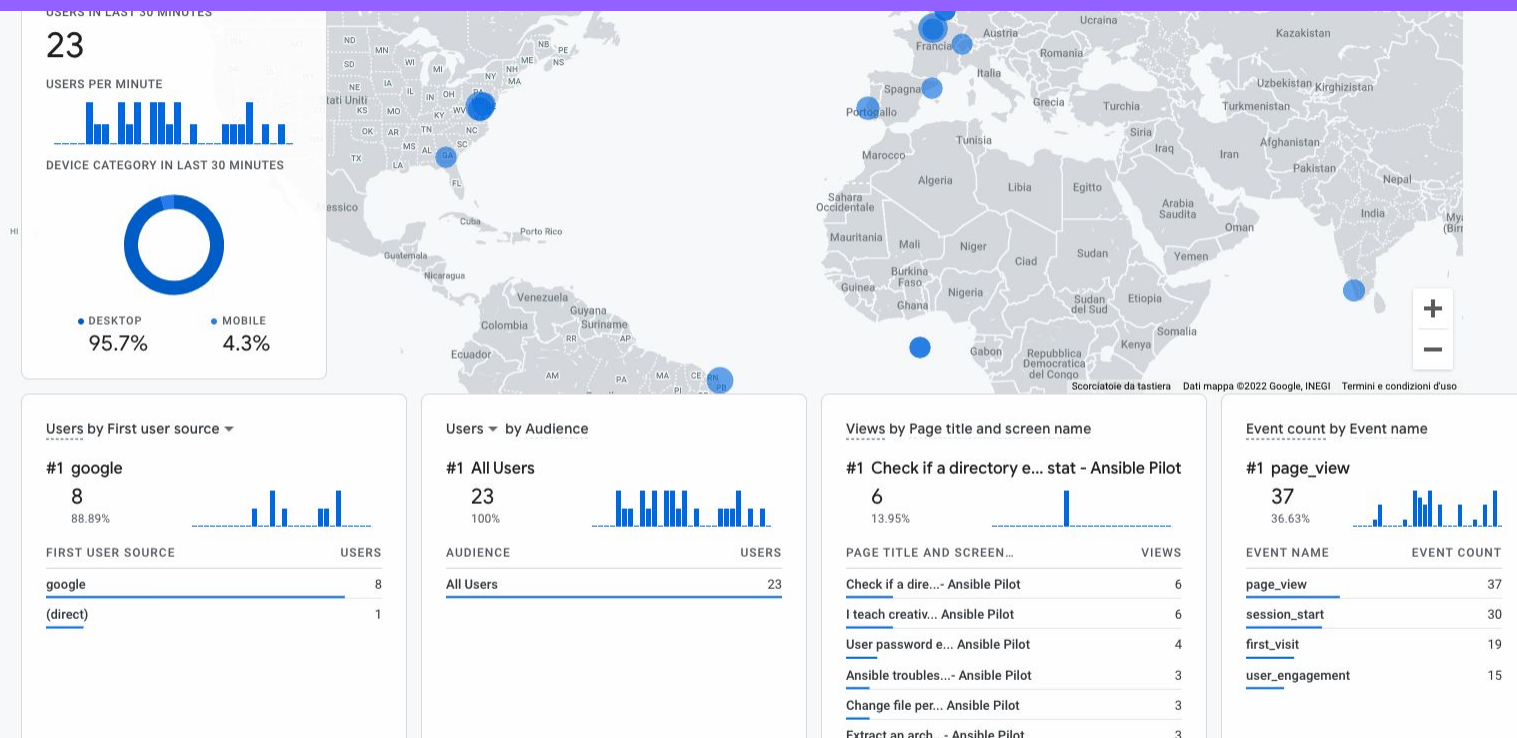
## Main Parameters

name string	username
state string	present/absent
password string	Linux encrypted macOS cleartext





# Website engagement



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# Milestones

1

## Ansible Bullhorn

17 Sep 2021 [#34](#)

7 Jan 2022 [#41](#)

2

## RHSB-2021-009 \*

22 Dec 2022 Vulnerability  
Scanner Detector Log4Shell  
Remote Code Execution Log4j  
(CVE-2021-44228)

3

## Ansible Anwendertreffen

15 Feb 2022 15:15-16:00 CET

\* <https://access.redhat.com/security/vulnerabilities/RHSB-2021-009>

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# Tools

**RØDE**  
MICROPHONES



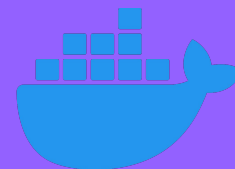
Focusrite



GitLab



git



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# Lesson learned



- Passion
- Connect with people
- Stimulate learning (upskill)
- Encourage collaboration
- Share knowledge

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# Goals for 2022



I aspire to be a impactful for Community

with the Ansible Technology



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# Thank you

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<https://www.ansiblepilot.com>

go!