

Run Ansible Tasks for Specific OS Release Version



Red Hat Ansible

I already know and have explained how easy it is to make an [Ansible](#) task run only on a specific Linux distro family (Debian/Ubuntu or RedHat/Centos), but recently needed to go even further: limit certain

Ansible tasks to be run on specific RHEL releases.

How To Run Ansible Tasks for RedHat or Debian

First, let me remind you how to specify that a task should be run for a certain distro family and not the others:

```

- name: Disable IPv6
  template:
  src: templates/disable-ipv6.conf.j2
  dest: /etc/sysctl.d/disable-ipv6.conf
  mode: 0660
  backup: yes
  notify:
  disable ipv6
  tags:
  fix
  sysctl
  noipv6
  when: ansible_os_family == 'RedHat'

name: Debian | blacklist ipv6 in modprobe
  lineinfile: "dest=/etc/modprobe.d/blacklist.conf
line='blacklist ipv6' create=yes"
  tags:
  fix
  sysctl
  noipv6
  when: ansible_os_family == 'Debian'

```

In this example, the first task (Disable IPv6) will only deploy the sysctl config element on RedHat (CentOS, Fedora) systems.

The second task will only run on Debian/Ubuntu family of Operating Systems.

How To Run Ansible for Specific Release of RedHat

Now to the issue at hand: while IPv6 was possible to disable

in RHEL 6 and RHEL 7, it seems the IPv6 module is built-in with RHEL 8/CentOS 8 distros – and so there's no point in trying to disable it.

Here's how I created a task that would only run on RedHat/CentOS releases older than RHEL 8/CentOS 8:

```
- name: Disable IPv6
  template:
  src: templates/disable-ipv6.conf.j2
  dest: /etc/sysctl.d/disable-ipv6.conf
  mode: 0660
  backup: yes
  notify:
  disable ipv6
  tags:
  fix
  sysctl
  noipv6
  when: ansible_os_family == 'RedHat' and
  ansible_distribution_major_version|int <= 7
```

That's it for today!

See Also

- [Ansible](#)
- [Run Ansible Tasks Based on OS Distribution](#)
- [Backup files when Deploying with Ansible](#)
- [Gathering Facts in Ansible](#)
- [Learn how to use non-standard SSH port in Ansible](#)