

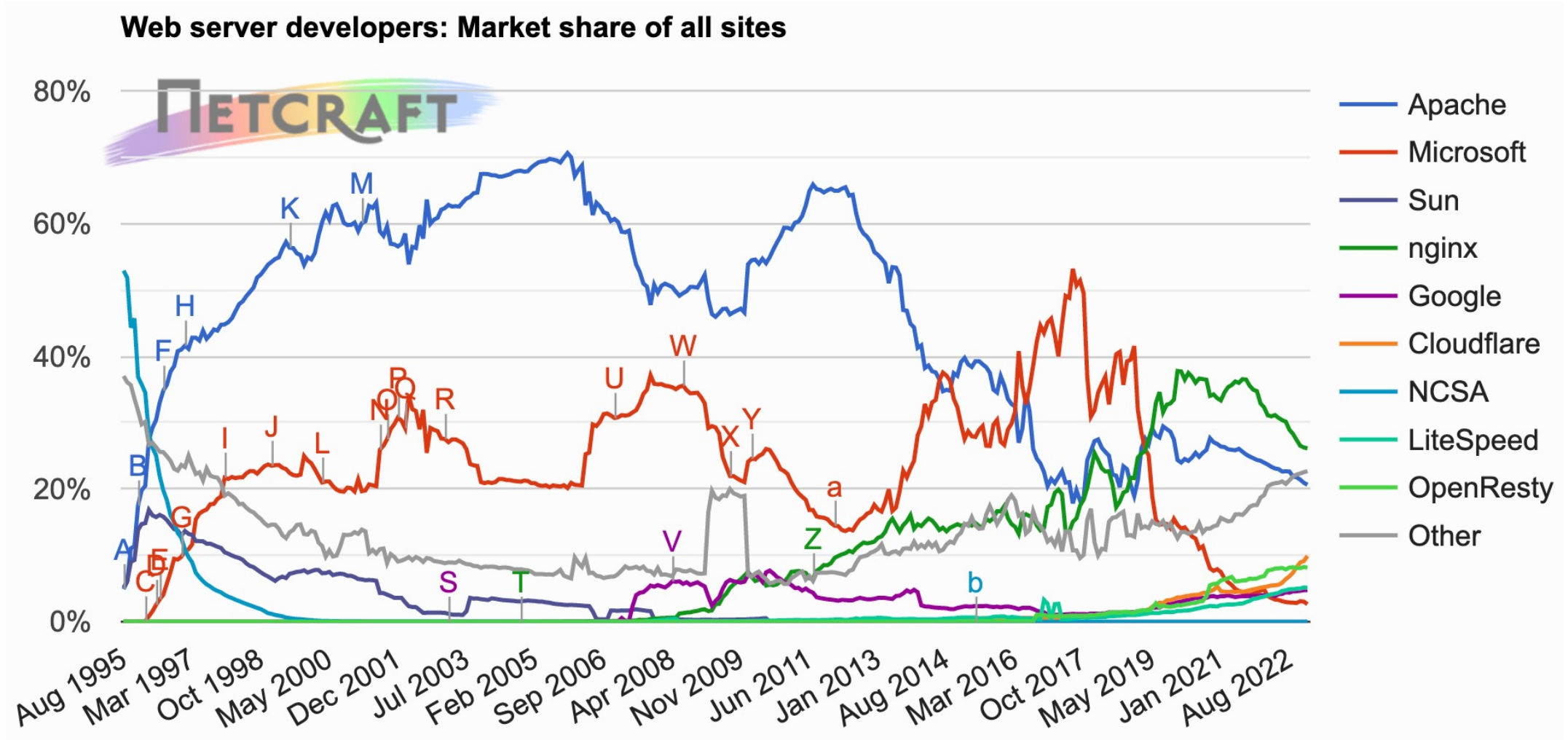
# NGINX: Better with Ansible

*(Or: How to Provision NGINX in Your Environment)*

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# What is NGINX?





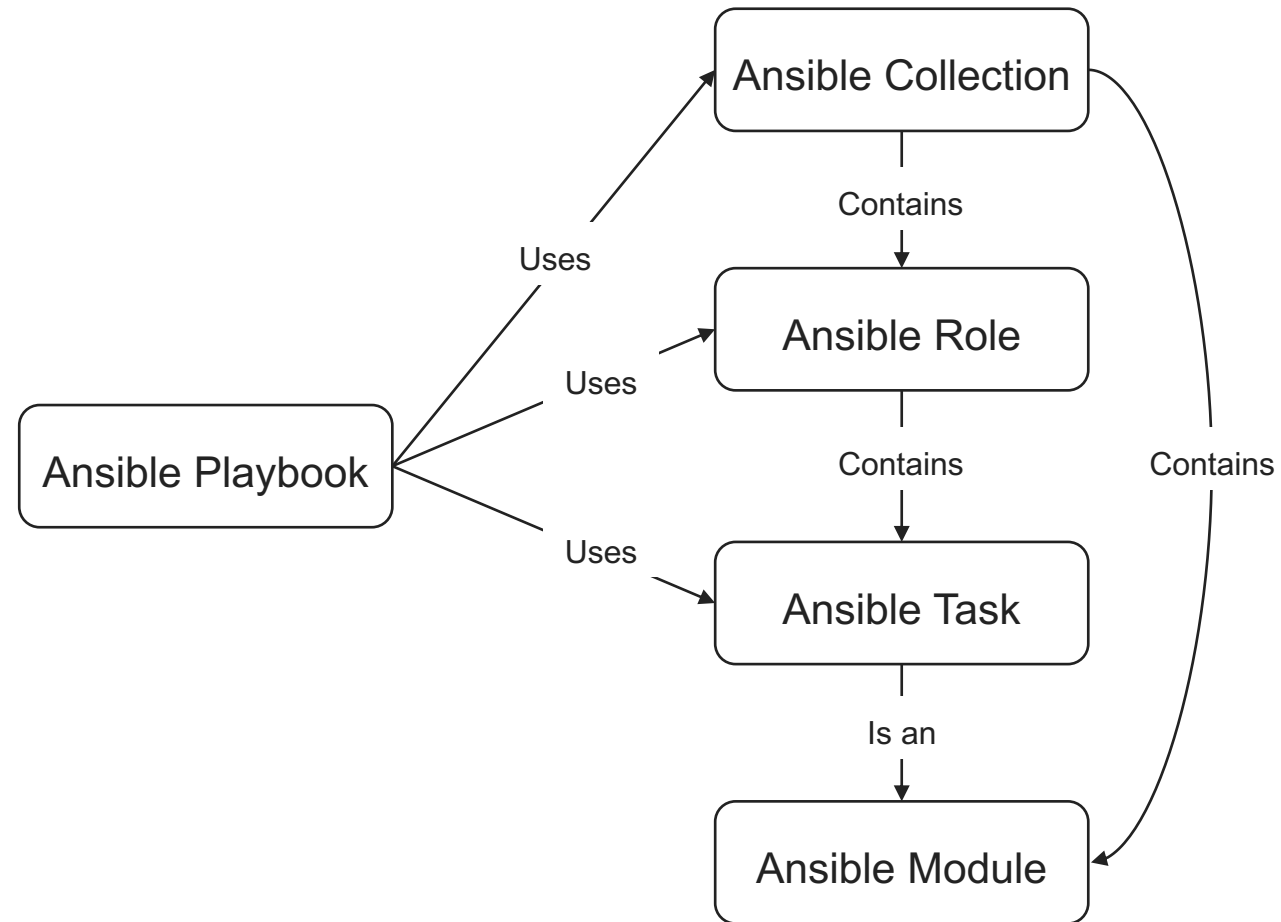
# What is Ansible?



- Open-Source Software tool for provisioning and configuration management in any environment (eg AWS)
- Agentless (does require Python on the target host)
- Describe target host state using YAML
- Includes wide array of modules (written in Python) and roles (written in YAML) covering multiple use cases
- Ansible playbook -> Ansible collection -> Ansible roles -> Ansible tasks -> Ansible modules

```
---
- name: Deploy NGINX Plus
  hosts: aws_ec2
  become: true
  remote_user: "{{ hostvars[inventory_hostname]['tags']['user'] }}"
  collections:
    - nginxinc.nginx_core
  roles:
    - role: nginx
      vars:
        nginx_type: plus
        nginx_license:
        certificate: <path/to/cert>
        key: <path/to/key>
        nginx_remove_license: false
```

# What is Ansible?



# NGINX Ansible Roles

Three roles to rule them all



- NGINX
- NGINX Config
- NGINX App Protect

# NGINX Certified Collection

Get all roles in a centralized package

## NGINX Core Collection

wraps all the

NGINX Ansible roles



*Available on Ansible Galaxy and Ansible Automation Hub*



# Why use Ansible to provision NGINX?

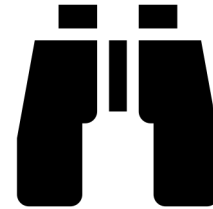
NGINX: Better with Ansible



Interested in Ansible



Install and configure  
NGINX across  
multiple targets



Centralized insight  
into your NGINX  
deployments



**Red Hat**  
Ansible Automation  
Platform

Certified and fully  
supported



# Demo Time

Let's check out the NGINX collection!

1



Install NGINX

2



Configure NGINX to serve a simple web app and act as a reverse proxy

3



Set up the NGINX App Protect module to protect NGINX

Demo available at <https://github.com/alessfg/nginx-ansible-demo>

# Thank you!

Get secure, scalable, and resilient application delivery with NGINX and Ansible



[nginx.com/redhat](https://nginx.com/redhat)



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