



ANSIBLE

# Why tools like Ansible?

- Every day the same routine:

- Customize OS
- Update packages
- Apply security patches
- Fine tune the configuration
- Manually deploy apps

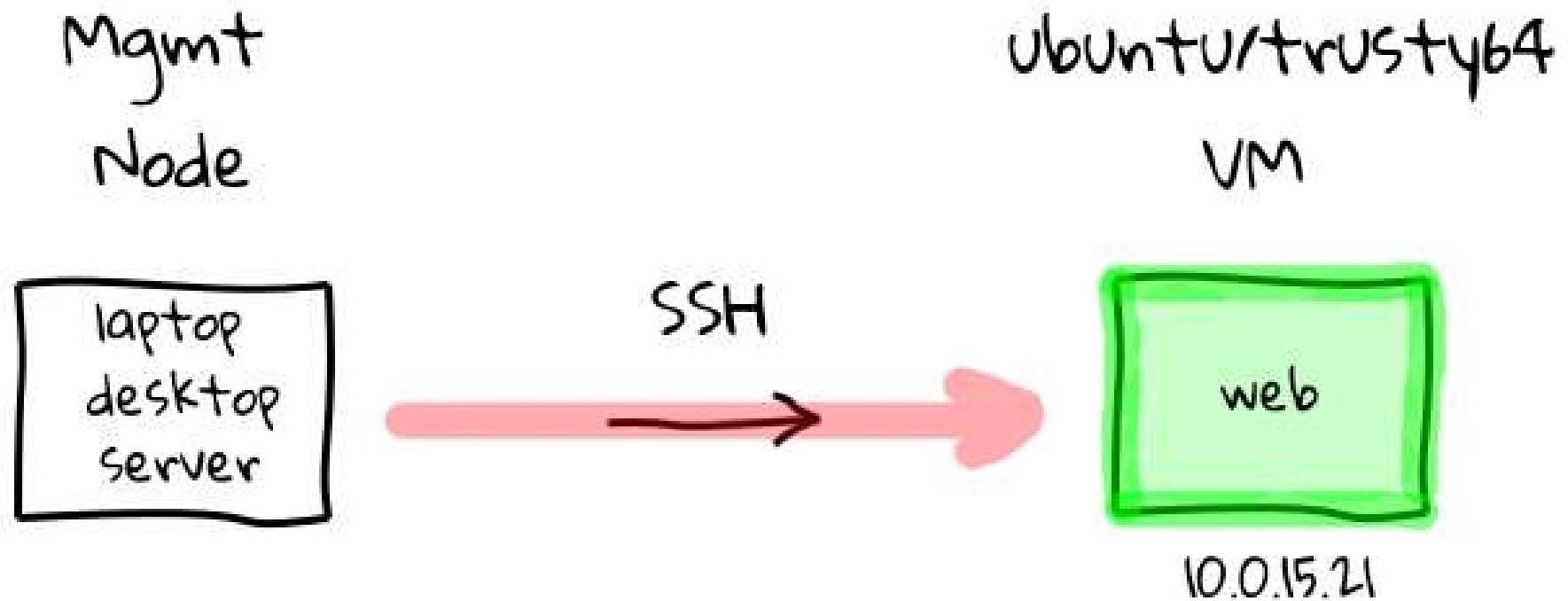


- All subject to

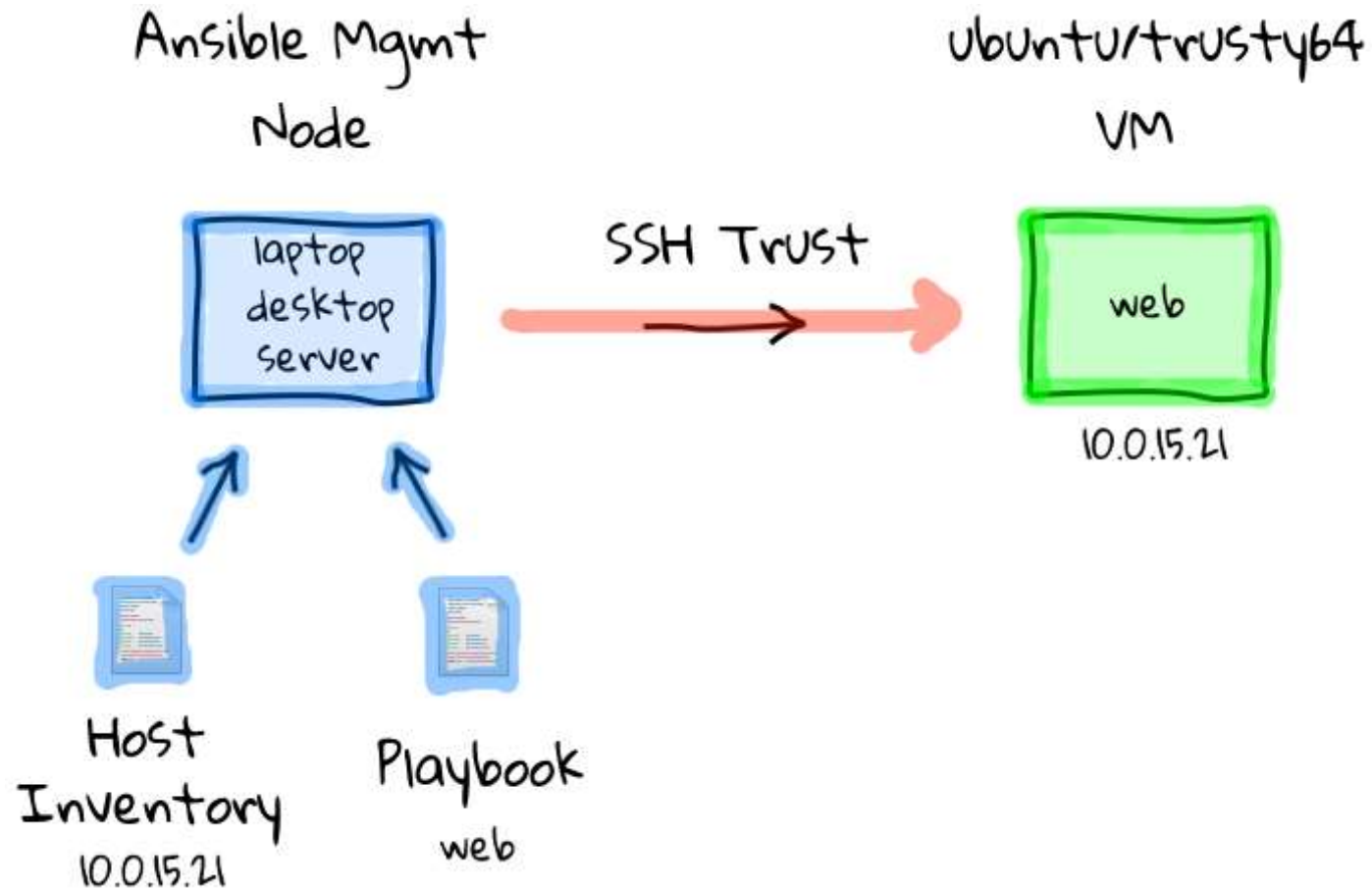
- Human failures
- Time consuming
- Repeatable task for multiple machines
- Lack of documentation



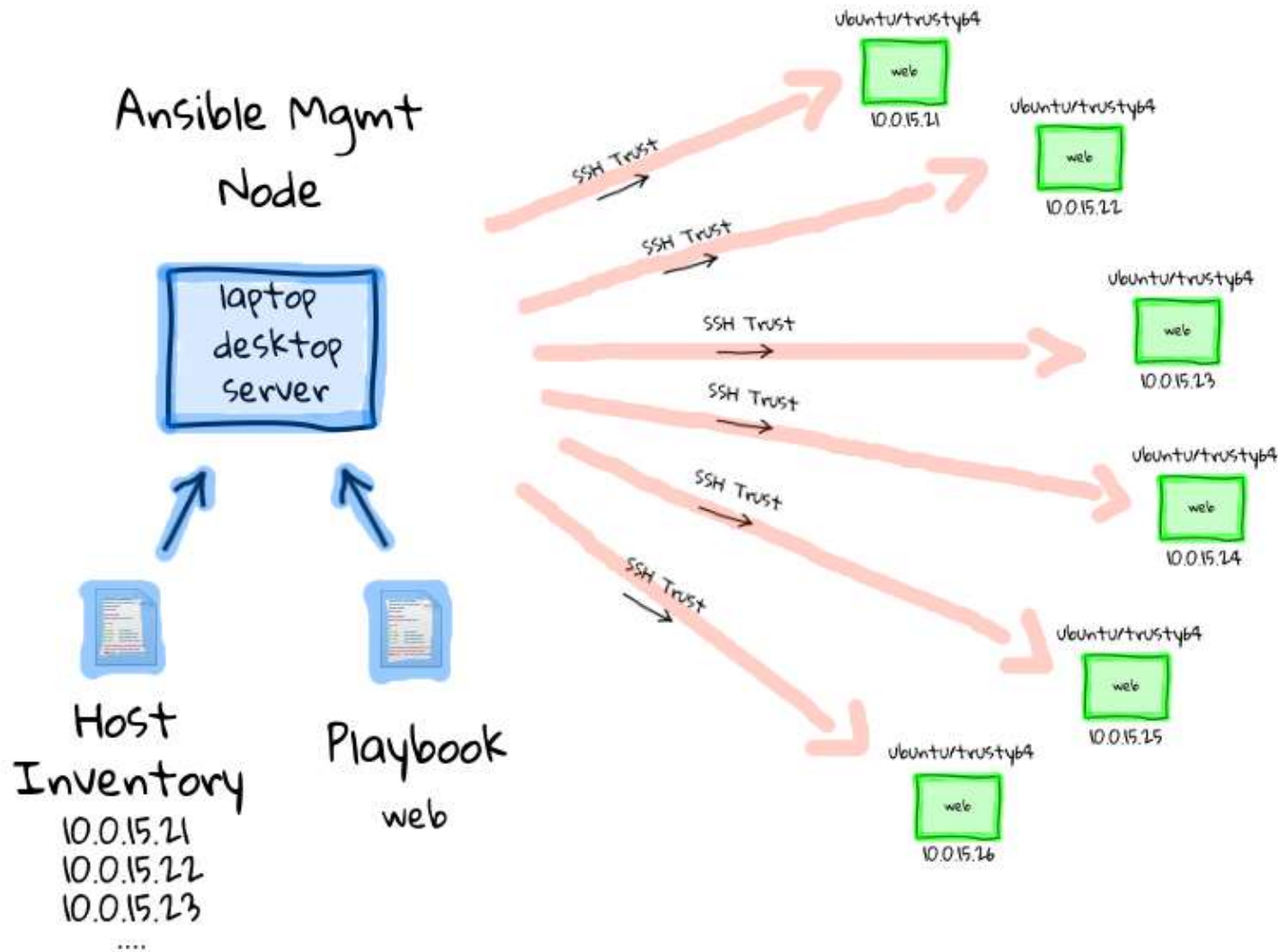
# Before Configuration Management



# With Configuration Management



# With Configuration Management



# Hosts Inventory

```
[loadbalancer]
haproxy-01.example.com
haproxy-02
10.0.15.15

[web]
web1
web2
10.0.15.21

[testing]
demo.example.com
```

# Playbooks

- Outline tasks that should be performed against hosts in the hosts inventory

```
---
- hosts: web
  sudo: yes

  tasks:

    - name: install nginx
      apt: name=nginx state=installed update_cache=yes

    - name: write our nginx.conf
      template: src=templates/nginx.conf.j2 dest=/etc/nginx/nginx.conf
      notify: restart nginx

    - name: deploy website content
      git: repo=https://github.com/jweissig/episode-47.git
          dest=/usr/share/nginx/html/
          version=release-0.01

    - name: start ntp
      service: name=nginx state=started

  handlers:

    - name: restart nginx
      service: name=nginx state=restarted
```

# Hands-On





*Thanks*