

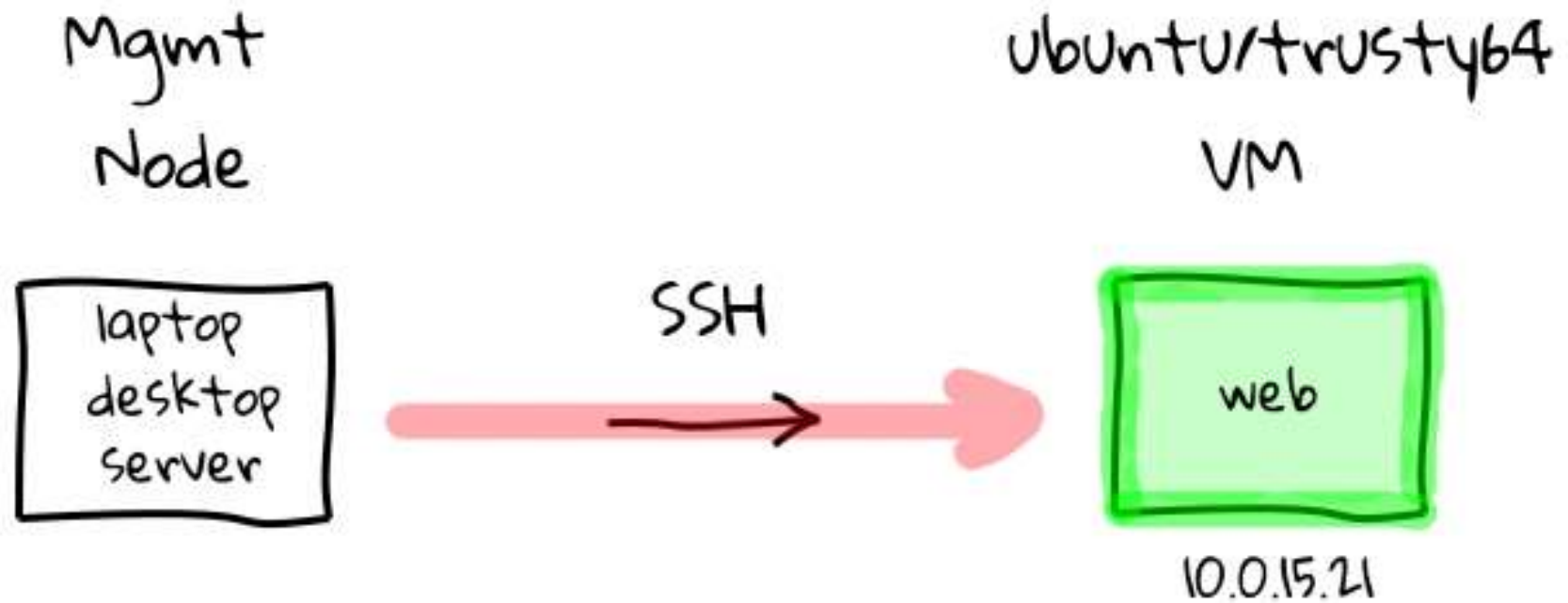
ANSIBLE

Introduction

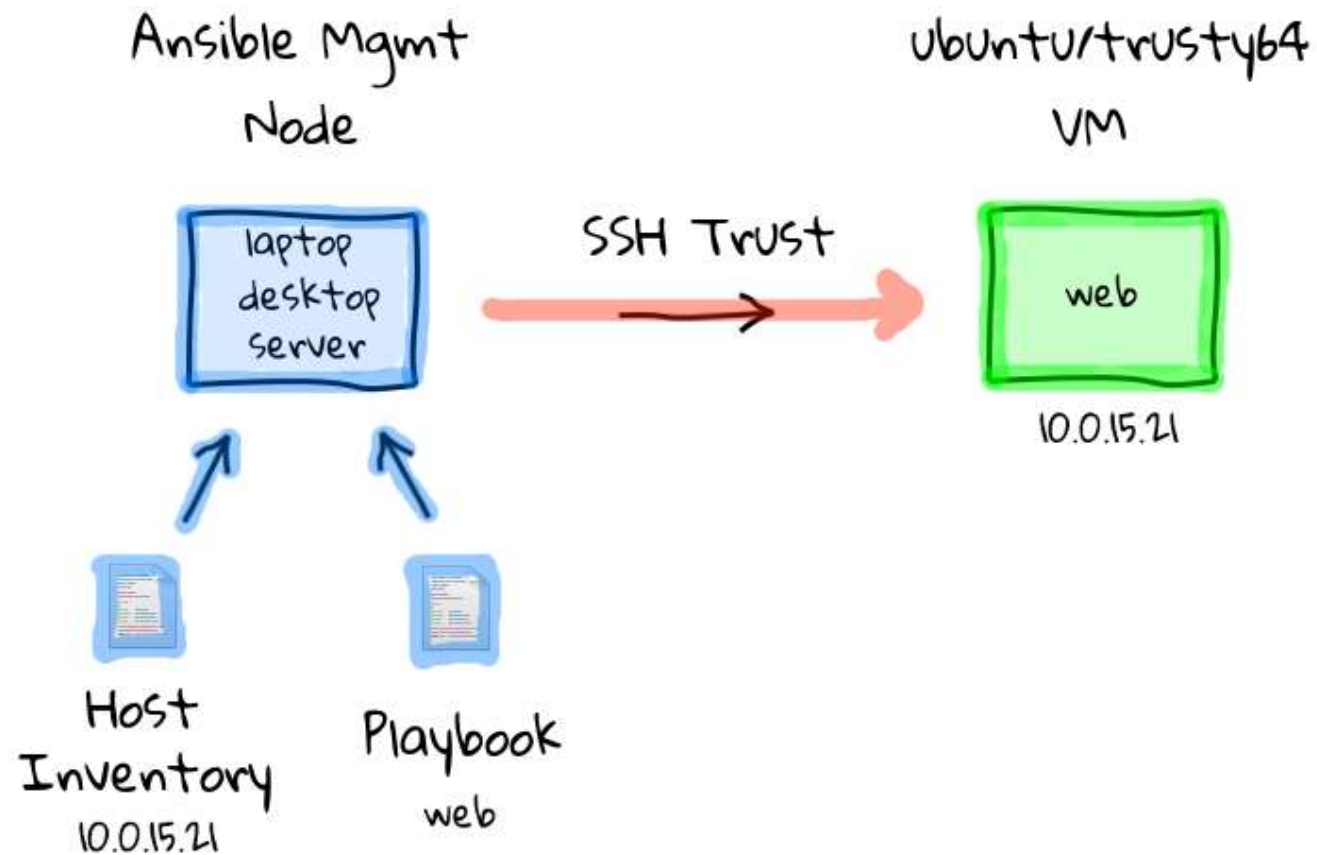
Why tools like Ansible?

- 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

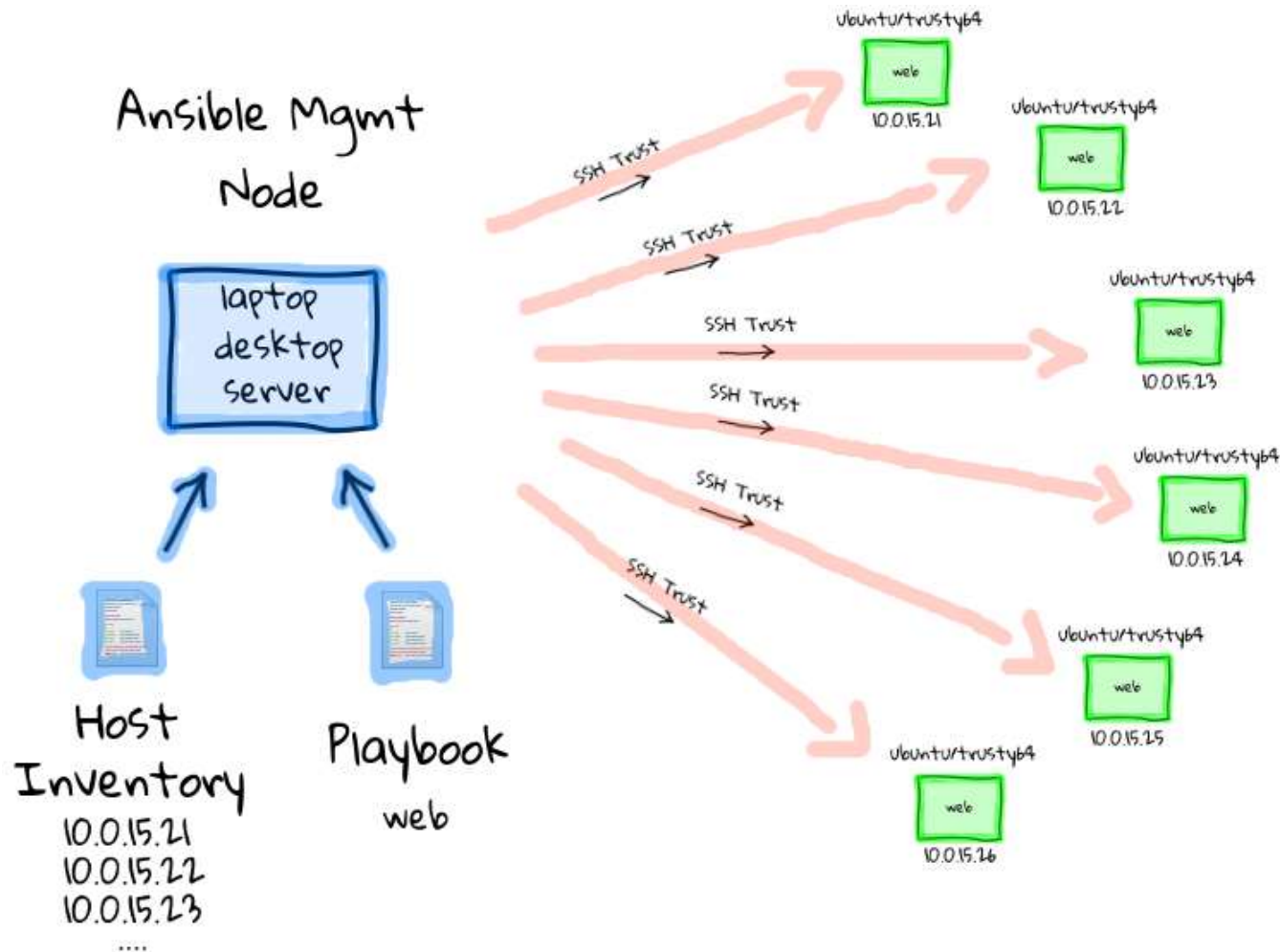
Before Configuration Management



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



Hands-On

- Refer:

- <https://github.com/atingupta2005/ansible-demo>

Thanks