SkillsFuture Career Transition Program

Cloud Infrastructure Engineering - Ansible

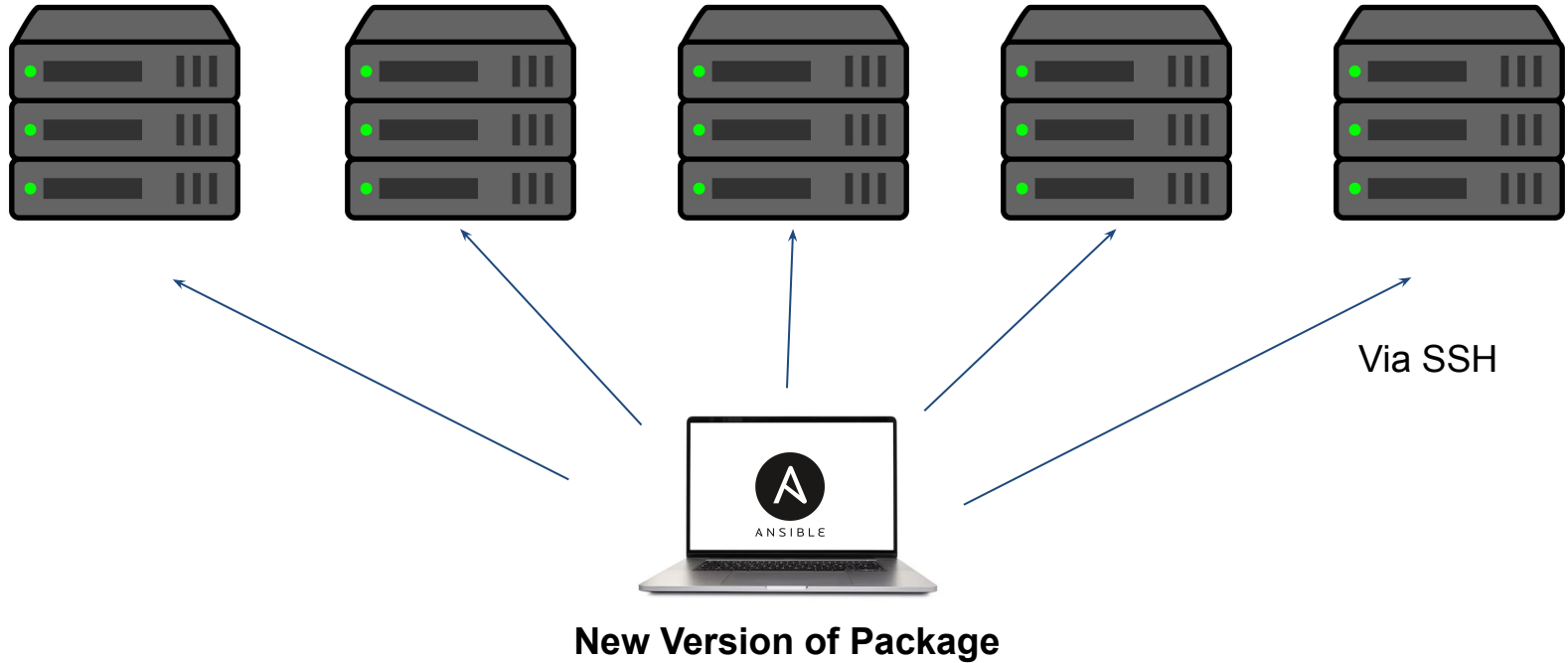**Nanyang Technological University**
Skills Union

2022/2023

What is Ansible?

Ansible is a simple IT automation tool.

Some examples include:

1) Config Management (Installing & Updating packages)
2) Application Deployment (Deploying binaries on VMs)
3) Infrastructure Provisioning

Why use Ansible?

Via SSH

New Version of Package

Features of Ansible

- Agentless (No installation required on target VMs)

- Simple Language - YAML files

- Inventory Management - in inventory.yaml

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How to get started?

- Installation -

  https://docs.ansible.com/ansible/latest/installation_guide/intro_installation.html

- On AWS Amazon Linux EC2 VMs, run:

  - ```
    sudo yum update -y
    ```

  - ```
    sudo yum install pip -y
    ```

  - ```
    sudo python3 -m pip install --user ansible
    ```