**Summary Report**

**Automated Setup of Odoo, Jitsu, and Apache Superset**

**Objective:** Automate the setup of Odoo, Jitsu, and Apache Superset applications using Vagrant and Ansible.

**Solution Overview:**

**Project Structure:**

Created a directory structure with separate folders for Vagrant and Ansible.

Defined Vagrant and Ansible files for efficient automation.

**Vagrant Setup:**

Utilized the hashicorp/bionic64 box for the Docker host.

Configured a Docker provider within the Vagrantfile to manage containers.

**Docker Host Configuration:**

Implemented a shell script (setup.sh) for provisioning the Docker host.

Installed Docker, started the Docker service, and pulled necessary Docker images.

Launched Docker containers for PostgreSQL, Odoo, Redis, Jitsu, and Apache Superset.

**Ansible Playbooks:**

Developed separate Ansible playbooks for each application (Odoo, Jitsu, Apache Superset).

Utilized the docker\_image and docker\_container modules to manage Docker images and containers.

**Inventory and Main Playbook:**

Created an inventory file for specifying the Docker host.

Defined a main playbook (main.yml) to orchestrate the execution of application playbooks.

**Role Dependency Management:**

Specified role dependencies in requirements.yml for easy integration of community roles.

**Configuration Files:**

Included ansible.cfg to define default configurations, ensuring smooth execution.

**Execution:**

Provided a single command for a seamless setup process, automating directory creation, file population, and Vagrant Docker host initialization.

**Outcome:**

The solution streamlines the deployment of Odoo, Jitsu, and Apache Superset in Docker containers, reducing manual intervention.