Configuration Management Using Ansible

Case Study - Problem Statement 2

edureka!

Problem Statement

FinTarget management has appreciated your efforts in managing the code deployment automation. Due to the implementation of Ansible in the software development cycle, the development team have pushed the new feature and fixes 25% faster than the old process. The finance application has fully covered Europe and APAC region.

FinTarget is now planning to launch the application in the US region. FinTarget expects a 70% increase in its revenue once the application is launched successfully in the US region. Management is only worried about the application infrastructure as this time they do not want to invest time and money to buy physical hardware to host finance applications, hence deciding to take advantage of cloud computing and buy virtual servers and other services to host and manage applications permanently. As you are working as DevOps team lead, you have been called for a meeting with senior management to discuss this problem and looking for a quick solution from your end. You have worked on the solution and proposed AWS cloud provider to host and manage finance applications and containerization deployment. Your suggestion got approved by FinTarget management. They requested you to deploy the finance application on AWS servers for the US region and launch the application in the US market.

Step by step guide

1. Create 2 AWS EC2 LINUX hosts/machines in the US EAST region.
2. Install Ansible on both servers and create Ansible playbooks for web application deployment.
3. Configure password less authentication for quick code deployment automation.
4. Install and configure Docker on EC2 hosts and integrate it with Ansible playbooks.
5. Automate the web application deployment on the Docker container using your Ansible playbooks.