

Configuration Management Using Ansible

Case Study - Problem Statement 1

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Problem Statement

One of FinTarget finance application launched successfully in the market, and the company started getting a great response. Within two months, the application has crossed 1 million user subscriptions. FinTarget's development team is working hard to fix users' issues and parallelly launch new application features. Management is satisfied with application development as continuous and automated builds are generated using Jenkins but is worried about keeping pace with the application deployment. As you are working as DevOps Team lead, your management has asked to propose an effective solution for automating application deployment to keep the users intact with the application by deploying new features and fixes quickly. Also, the FinTarget analytics team predicted a 100% increase in user subscription in the coming two months and to manage the user traffic; more servers are needed to be deployed. You have noted down all requirements and started testing market-ready deployment tools. After few days of analysis, you have finalized Ansible as the best option and proposed the same to your management team. Your manager approved your plan and requested you to set up Ansible for automating application deployment.

Step by step guide

1. Create and validate Ansible Playbook.
2. Create different roles for the developer and admin.
3. Deploy web server using Ansible Playbook.
4. Add new servers/host and deploy the web server parallelly.
5. Validate web service on each server/host.

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