



Automatic Installation of Applications across Multiple Servers using Ansible

Digital Services

Success Story

Status Quo

The client is a global provider of cloud-based analytics products and services for the life sciences industry and a trusted collaborator with regulators, academia, life sciences companies and government agencies to improve the way of clinical data analysis. The Company provides an array of service offerings for Signal Detection & Data Mining, Empirica Suite Support and Public Health Surveillance.

Project Overview

Indium developed a bespoke solution which enabled automatic deployment of various client applications across multiple servers instantaneously. The solution helped to manage the Software Installation, Upgradation, Configuration and License management process, with minimal manual intervention and operational costs.

Business Requirement

- Reliable and cost-effective method to facilitate the deployment of multiple applications across numerous Servers
- The Client used Shell/ Manual Scripting to install applications across servers one by one, resulting in a very slow and error-prone process
- Maintenance of code version management across every user and application install
- Automated process to onboard multiple users with the associated applications package

Solution

- Ansible was used as the deployment tool to facilitate the automatic deployment of applications across the multiple Servers
- The Ansible software helped to install the applications across multiple servers, using only the IP address
- The proposed solution was designed to manage the Software codebase, installation, upgradation, configuration and license management process
- The solution was configured to carry out the deployment of the applications on Amazon Web Services

Business Impact

- 3x faster installations and efficient configuration management
- Achieved 100% automation in application deployment
- The Solution helped to ignore all the non-merged pull requests
- Significant manual effort reduction and errors in application deployments and accessibility

Business

DevOps

Domain

Technology, Healthcare

Tools

Ansible, Amazon Web Services

Key Highlights

- 3X reduction in time and effort from automated deployments
- High accuracy and reduced human errors during application deployment



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