



Opt Tech Helps Enterprise Pharma Customer Automate AWS Platform Capabilities with Ansible Automation Platform



OPT TECH IS A SPECIALIST IN ANSIBLE AUTOMATION SOLUTIONS

CHALLENGE

A specialist in Ansible automation solutions and AWS cloud native services, Opt Tech showcased its automation expertise with an engineering project that streamlined account vending and provisioning for one of its enterprise pharmaceutical customers. The customer needed to automate its AWS account vending strategy including the process of creating, managing accounts and provisioning sandbox resources (e.g., virtual machines, databases and storage).

SOLUTION

Opt Tech helped the customer automate their AWS account vending strategy by creating a set of Ansible automation roles integrated with AWS cloud native services and the customer's backend systems. These automation capabilities allowed the customer to improve the efficiency of their operations, reduce the likelihood of errors, and ensure compliance with regulations. The Ansible automation platform and the AWS cloud native services integration streamlined the process of account vending and controlled sandbox resource provisioning, making it easier for the customer's IT teams to manage their accounts and resources.

To automate the AWS account process, Opt Tech utilized the Red Hat Ansible Automation Platform (AAP) to create the automation capabilities. Ansible® is an open source, automation software application used to configure systems, deploy software, and orchestrate advanced workflows to support application deployment and system updates. AAP is an ideal solution for automating repetitive tasks in a large enterprise.

For the controlled sandbox resource provisioning, Opt Tech's automation capabilities leveraged AWS cloud native services including AWS organizations, CloudTrail and custom Lambda functions to manage the customer's tagging and resource persistence requirements. AWS Organizations is a service that facilitates multiple AWS account management well-suited for managing a large enterprise account environment.

Once the automation capabilities were developed, Opt Tech helped the customer promote them into production. The implementation included iterative testing, validating that they met the customer's acceptance criteria, and providing knowledge transfer and training. The scripts were then integrated into the customer's existing workflow, so that they could be easily re-used and leveraged by other groups within the organization. .

OUTCOME

With the automation capabilities in place, the customer was able to automate the process of provisioning hardened AWS accounts to their standards as well as the provisioning of resources in a controlled manner within those accounts. These automated AWS account vending and controlled provisioning capabilities facilitated operational efficiency reducing the likelihood of errors and ensuring compliance with industry regulations.



**BOOSTING
OPERATIONAL
EFFICIENCY,
ACCURACY AND
COMPLIANCE**



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