ANSIBLE

NEC:
NETWORK AUTOMATION AND ENVIRONMENT PROVISIONING FOR IMPROVED CUSTOMER EXPERIENCE

NEC

"*[Automation with Ansible] provided us a quick time to deploy new customers. We started off with the first three customers that we deployed [taking] a couple weeks. The next 500 customers took 10 minutes, so we are very excited that we could get that level of automation.*"

DON CLARK
DIRECTOR OF BUSINESS DEVELOPMENT, NEC

CUSTOMER	NEC
INDUSTRY	Telecom
INTEGRATION	Networking
USE CASE	Environment Provisioning
BUSINESS ISSUE	Time to market
BUSINESS CHALLENGE	Recent customer trends towards cloud-based services have forced NEC to quickly move to a hosted unified communications (UC) offer. Challenges around provisioning new clients create excess manual work and human input errors. NEC required a solution to increase the speed to market for new hosted UC customers, while utilizing the current team resources and reducing manual errors.
SOLUTION	NEC has a cloud network for its hosted voice solution and as new customers were being on-boarded, network engineers would enter numerous CLI commands to get them added to their SDN fabric. To speed up this process and reduce manual processes, NEC migrated to using Ansible Tower and new Ansible modules specific to the NEC SDN solution.
	In this solution, the NEC Programmable Flow Rest API interfaces with Tower to build new customer virtual networks. NEC created Ansible modules for the standard constructs used in building new customer networks. NEC then mapped the new customer CLI scripts into Ansible playbooks. Ansible Tower features such as Surveys were used to create a self service IT experience for the network engineering team.
RESULTS	Using Ansible and Ansible Tower to automate network builds, the NEC network engineering team is able to speed time to market, reduce errors, and add new auditing functionality.
	Ansible solution benefits:
	• Faster time to market for new SaaS customers, resulting in increased revenue
	• A predictable deployment process, creating deterministic outcomes and reducing errors from manual work
	• Ansible Tower functionality created self service IT, offering a better utilization of team resources
	• New functionality to manage the state of configuration, allowing for consistent changes to configurations
ABOUT THE CUSTOMER	NEC Corporation of America (NEC) is a leading technology integrator providing solutions that improve the way people work and communicate. Learn more at necam.com.

READY TO AUTOMATE?

info@ansible.com

+1 919.667.9958

ansible.com

ABOUT ANSIBLE

Ansible, an open source community project sponsored by Red Hat, is the simplest way to automate IT. Ansible by Red Hat provides enterprise-ready solutions to automate your entire application lifecycle – from servers to clouds to containers and everything in between. Ansible Tower by Red Hat is a commercial offering that helps teams manage complex multi-tier deployments by adding control, knowledge, and delegation to Ansible-powered environments.

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