



# Streamlining Compliance and Configuration

Eliminating downtime on over 110,000 servers and 4,000 applications



## ABOUT BARCLAYS

Barclays is a transatlantic consumer and wholesale bank with global reach, offering products and services across personal, corporate and investment banking, credit cards and wealth management, with a strong presence in its two home markets of the UK and the US.

## INDUSTRY

Financial Services

## INTEGRATION

Public clouds and on-premises IT

## USE CASES

Infrastructure, application, and compliance automation

## BUSINESS ISSUE

Managing such a large volume of servers and applications is a complex task and operating within a highly regulated industry requires an additional need for clear reporting for audit, controls and governance policies. The slightest amount of downtime can be financially catastrophic for the company, its business, and individual customers.

## BUSINESS CHALLENGE

Barclays is part of a heavily regulated industry, so there is a need for clear reporting for audits, controls and governance policies. They also need to deploy and maintain 110,000 servers with all of the accompanying patches, updates, versioning, and changes they require, with a mix of Windows and Linux OSs in a highly mission-critical environment.

## SOLUTION

Deployed Chef Automate, Chef Infra and Chef InSpec with a self-service front end and automated cookbook testing built into what the company now terms its "Chef Cookbook Delivery Pipeline." Chef InSpec with Test Kitchen is used for testing in dev and for compliance reporting using CIS profiles across the estate.

## IMPACT

Barclays is able to fully automate its dev/prod pipeline while maintaining compliance, streamlining its software production, and enabling IT to add value to internal teams and end-users by accelerating new service and product delivery.

- Facilitates rapid and frequent changes while eliminating downtime due to development missteps
- Provides consistent, repeatable processes and outcomes across more than 10,000 dev, sec and ops engineers
- Combination of Chef Automate and InSpec provides clear reports on compliance status accelerating remediation for server teams

“The faster you are pushing new services and new products out, the more value you give back to your customers.”

-Jonathan Arch, Public Cloud Deployment Engineer at Barclays