Whisker Labs builds more agile and secure IoT energy management with Fugue

WHISKERLABS

Whisker Labs, a developer of advanced IoT home intelligence technologies, works with electric utilities across the country to successfully reduce energy usage during peak load times. Specifically, the Whisker Labs Energy Management Platform aggregates and optimizes data from Wifi-enabled thermostats via AWS cloud-based energy analytics to securely and reliably implement demand response programs.

CHALLENGES

- Enhance security operations and demonstrate continuous compliance with utility program requirements

- Get visibility into cloud environments for operations and security purposes

- More quickly identify root causes for provisioning failures in cloud infrastructure

FUGUE SOLUTION

- Uses automated remediation to continuously protect production infrastructure, prevent configuration and policy violations, and safeguard customer information

- Runs Fugue Transcriber to scan AWS accounts for existing infrastructure and automatically generate infrastructure definition files, which are blueprints to get visibility into the environment and help with security audits

- Leverages compile-time features to identify provisioning errors before infrastructure is deployed — enabling rapid iteration on configuration without spending hours in testing or debugging, which ultimately lowers infrastructure costs

KEY STATS

PROBLEM:

How does an IoT technology provider enhance security and compliance in cloud infrastructure while minimizing provisioning errors?

OUTCOMES:

1. Reduced risk and increased savings of staff resources
2. Improved environment visibility and streamlined audit preparation
3. Acceleration of provisioning process and lower infrastructure costs

FROM THE CLIENT:

"The Fugue solution has helped us with SOC 2 Type 1 compliance and will form the foundation for ensuring controls remain continuously compliant as we transition to SOC 2 Type 2.

Our team has been able to automate and move fast with the assurance that misconfigurations will be remediated in seconds, automatically."

Eric Weller
VP of Engineering
Whisker Labs

Fugue

Business Outcomes

AUTOMATED POLICY REMEDIATION MITIGATES RISK AND SAVES TIME AND STAFF RESOURCES

Whisker Labs automatically enforces its security policies throughout the infrastructure lifecycle in critical areas such as access control and encryption of personally identifiable data. This reduces the risk of sensitive data being exposed by misconfigurations. Automated remediation also decreases Mean Time to Remediation (MTTR) to seconds. This enables valuable IT staff to be redeployed away from manually remediating alerts.

INFRASTRUCTURE DISCOVERY PROVIDES VISIBILITY AND SPEEDS AUDIT PREPARATION

Fugue's Transcriber feature scans Whisker Labs' AWS accounts for existing infrastructure and creates easy-to-read configuration files. Whisker Labs uses these files as a blueprint to gain visibility into their cloud environment and to streamline security audits.
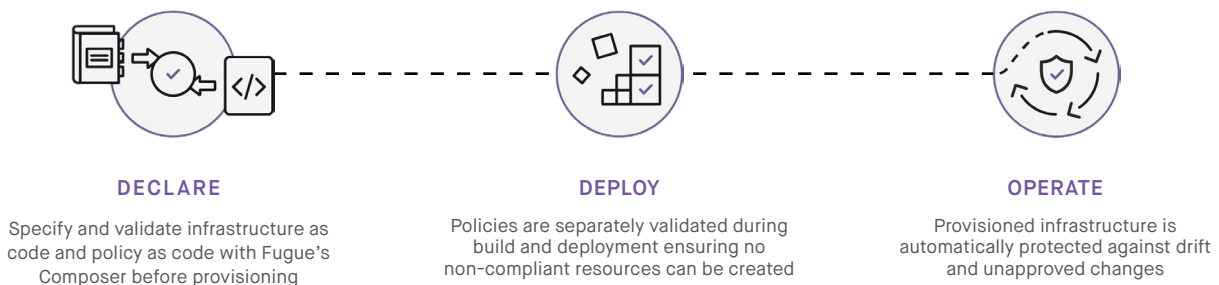
COMPILE-TIME VALIDATION ACCELERATES INFRASTRUCTURE PROVISIONING PROCESS AND LOWERS COSTS

Whisker Labs leverages Fugue's compile-time validation to identify errors in infrastructure configuration files before they are deployed. This immediate feedback enables rapid iteration of configurations and saves hours of troubleshooting time. Whisker Labs also lowers costs by avoiding unnecessary provisioning.

SOLUTION ELEMENTS

Fugue Drives the Infrastructure Governance Lifecycle

DECLARE

Specify and validate infrastructure as code and policy as code with Fugue's Composer before provisioning

DEPLOY

Policies are separately validated during build and deployment ensuring no non-compliant resources can be created

OPERATE

Provisioned infrastructure is automatically protected against drift and unapproved changes

About Fugue

Fugue helps you get cloud infrastructure right. It automates the creation of your workloads, provides visibility into what's running, and delivers continuous governance to make sure your cloud is operating just as you declared. If it drifts, Fugue fixes it immediately. Enterprises stay compliant and ship smart innovation faster with Fugue.

The company has eight patents granted and 16 pending. Privately held and headquartered in Maryland, Fugue's investors include New Enterprise Associates, Future Fund, Maryland Venture Fund, and Core Capital Partners. Gartner named Fugue a Cool Vendor in Cloud Computing 2017.