CASE STUDY
CLOUD API DEVELOPMENT CASE

The Business Situation

Archiving information on premises is becoming too expensive, & storing all data in the Cloud is becoming more necessary every day. This presented the client with the following challenges:

The Client

Global Consulting & Professional Services Company

1 The client had plans of shutting down their data centers and moving Infrastructure footprint to a hybrid/cloud setting.

2 Different silos of infrastructure provisioning, configuration management, on boarding and off boarding needs to be automated to meet end user deadlines.

3 The client engaged CirrusLabs to come up with the overall strategy and to roll out an API economy which can serve as the foundation for the client's future.

Our Work

For each API, the client was shown their true needs through a 4:4:2 framework: 4 hours of mind mapping, 4 hours of design, & 2 hour review sessions.

Following this, the client had significantly more clarity in hand and was able to articulate internally the problems these components would solve.

Here are a few of the APIs that were built:
DNS API - Capable of interfacing with three DNS providers (Microsoft, Bluecat and Akamai)

F5 cloud API - Automates the creation of 90% of the configurations needed on the F5 load balancers deployed on the cloud (AWS, Azure, and GCP)

F5 on-prem API - Allows infra teams to create the F5 configuration for their on-prem application deployments

Load Balancer API - Abstracts the decision of which load balancer needs to be used for a particular configuration

Message Bus API

IP flow recipes for AWS, Azure and GCP

The Business Objective

Improve efficiency in provisioning cloud infrastructure across the enterprise.

Automated API driven cloud solution. **1.**

Infrastructure as code. **2.**

Secure and standardized environment build patterns. **3.**

Cloud automation. **4.**

The Outcome

The client learned to solve problems quickly & efficiently through the 4:4:2 process.

Multiple infrastructures (F5, etc.) are now available as APIs.

Accelerated cloud provisioning and automation using API's.

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Services Provided in Case Study

Cloud Strategy

Cloud Engineering

App Development

Cloud Migration

Software Development

About CirrusLabs

CirrusLabs is a management consultancy firm specializing in guiding medium-to-large scale organizations in their transformation to Continuous Business Value Delivery through use of lean thinking and agile frameworks.

Our Services

Agile

Cloud

Enterprise Software

Atlassian

DevOps

Testing