

ADDO[™]

ALL DAY DEVOPS

NOVEMBER 6, 2019

Christina Yakomin

Vanguard

**Observability
Made Easy**



The graphic is divided into three main sections. The left section features the ADDO logo, two speakers, and text for the Site Reliability Engineering track. The middle section shows a portrait of Christina Yakomin and the title of her session. The right section contains the event date, duration, tracks, sessions, and website information.

ADDO
ALL DAY DEVOPS

TRACK: SITE
RELIABILITY
ENGINEERING

CHRISTINA YAKOMIN

Observability
Made Easy

NOV. 6, 2019
24 HOURS
5 TRACKS
150 SESSIONS
FREE • ONLINE
ALLDAYDEVOPS.COM



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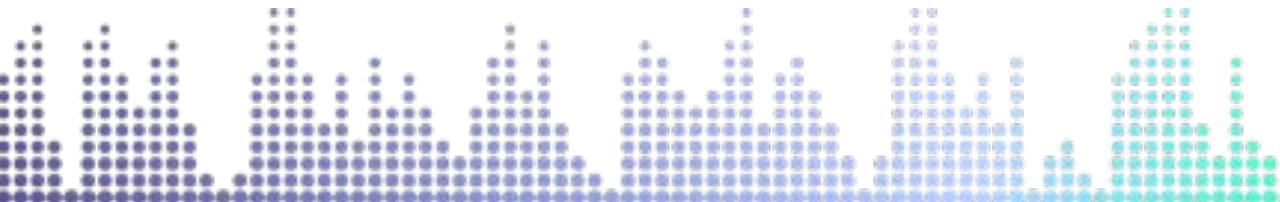


Observability Made Easy

Christina Yakomin | [@SREChristina](#)

Why should you implement synthetic monitoring?

How can you get started?

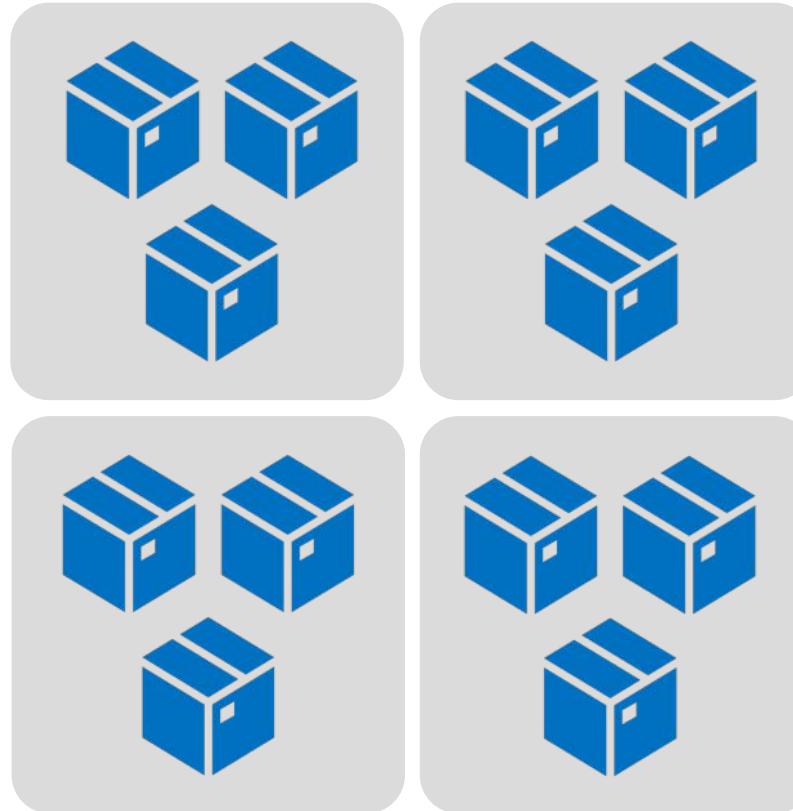




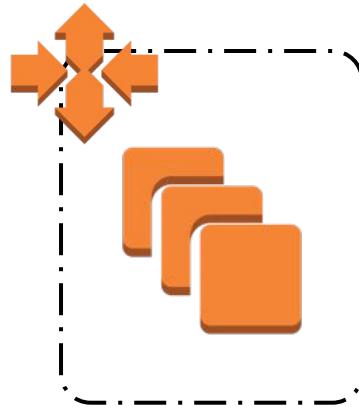
Web servers



Auth provider



Application servers



Cache servers

Default SLO - % of Healthy Requests & Traffic

Web Server Data

99.897 % ↘
-0.006

Healthy Requests

2,000,000

1,000,000



2:45 PM 100 PM 115 PM 130 PM 145 PM 2:00 PM 2:15 PM 2:30 PM

■ Unhealthy ■ Healthy

App Server Data

99.902 % ↘
-0.005

Healthy Requests

2,000,000

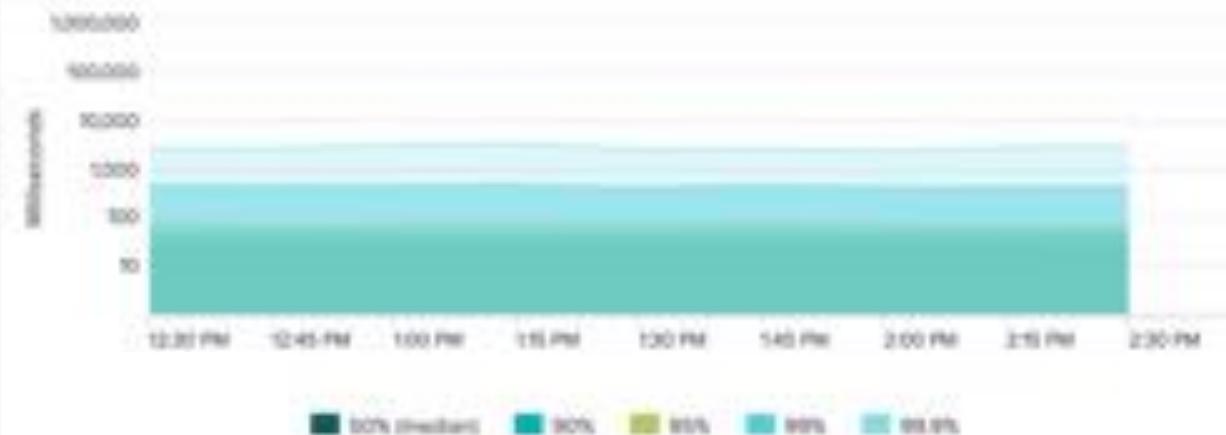
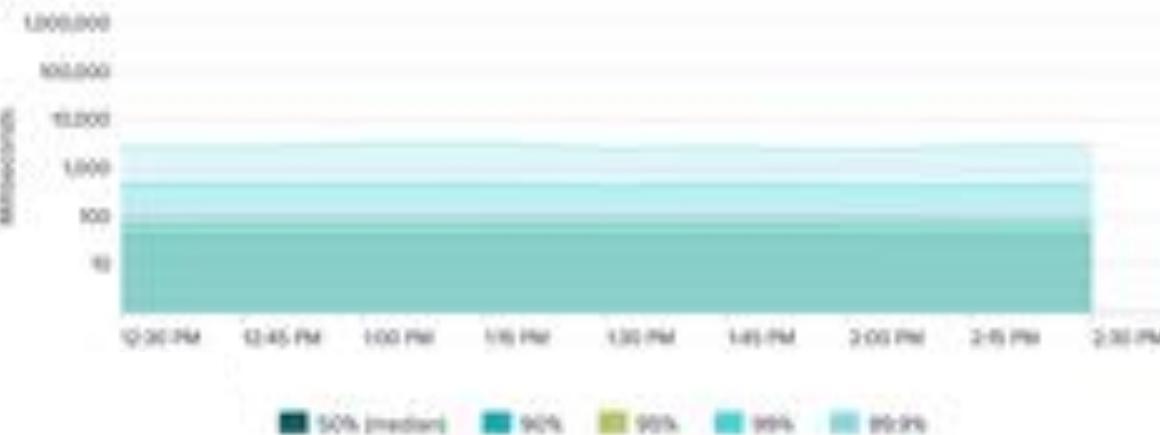
1,000,000



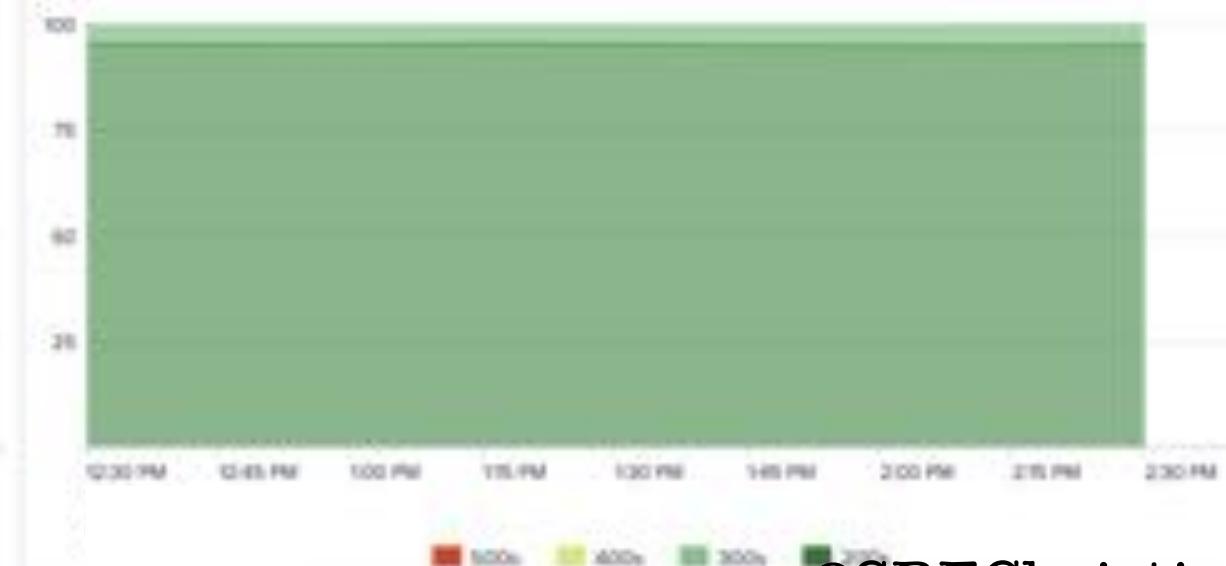
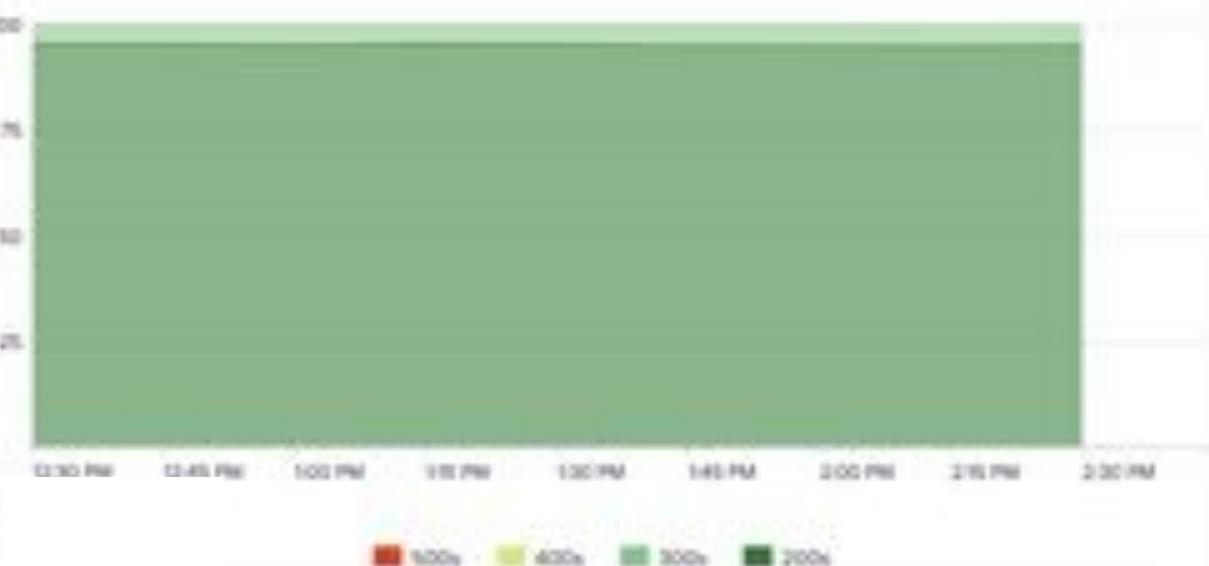
1 PM 100 PM 115 PM 130 PM 145 PM 2:00 PM 2:15 PM 2:30 PM

■ Unhealthy ■ Healthy

Response Time Distribution



Status Code Percentages



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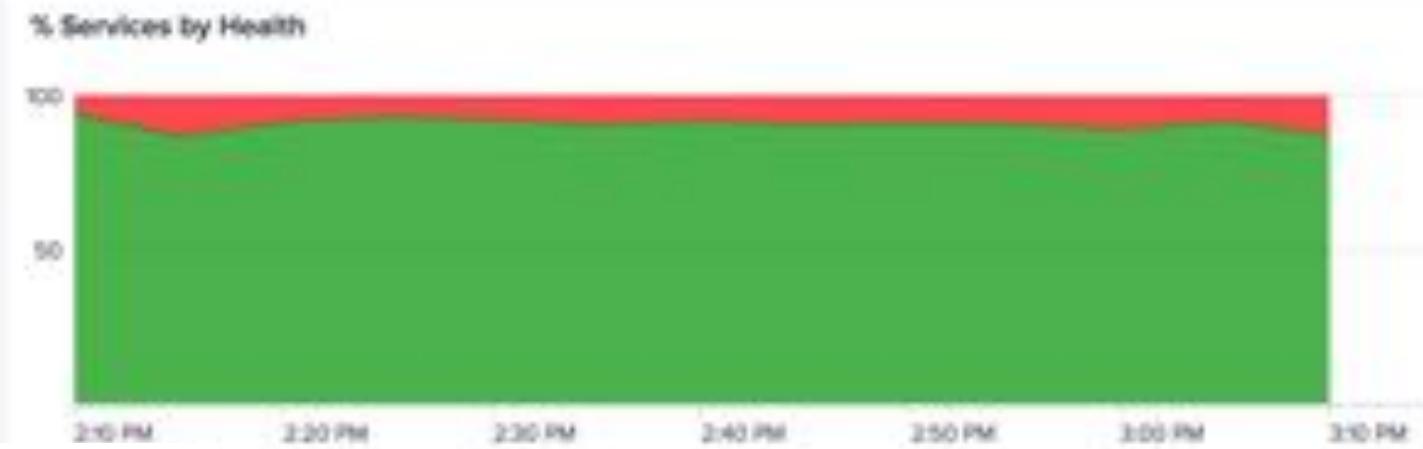


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A small number
of apps
represented a
large portion of
total traffic



■ Percent Unhealthy ■ Percent Healthy



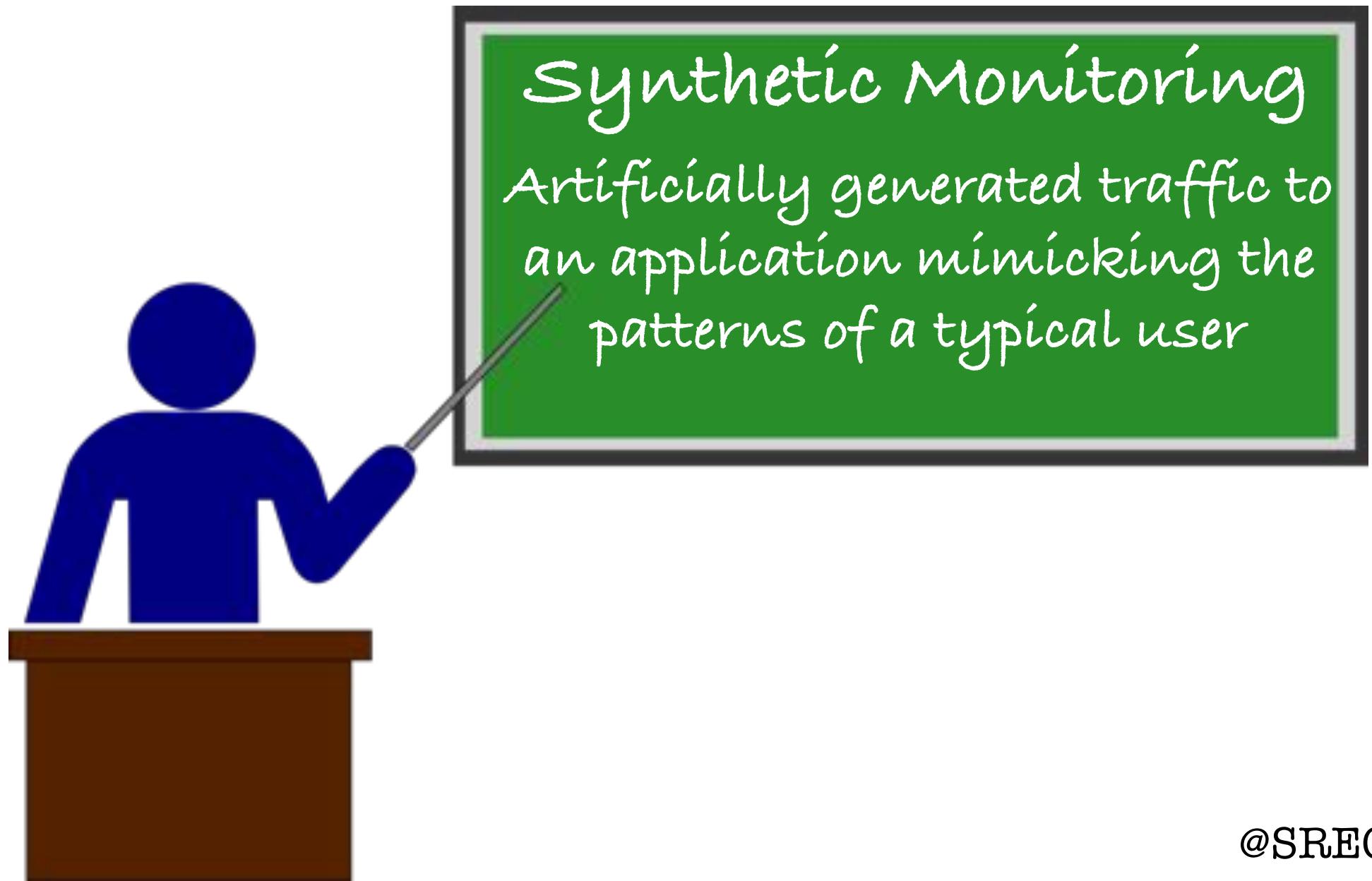
■ Unhealthy Services ■ Healthy Services

A small number
of bad services
can throw off the
service level



Synthetic Monitoring



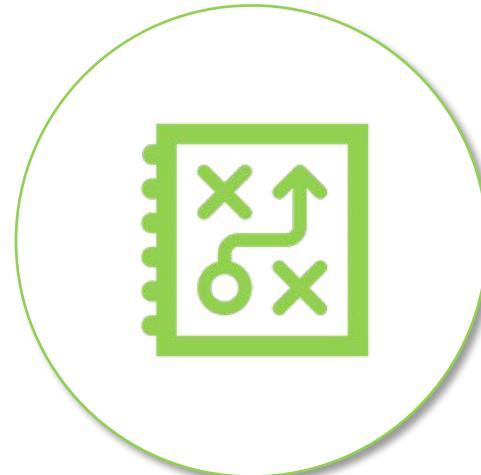




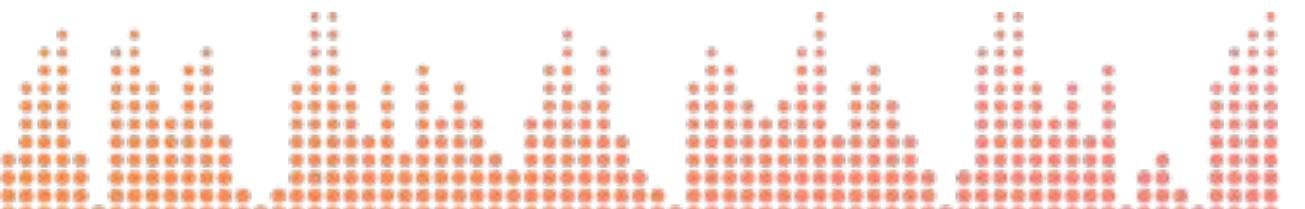
Traffic is
controlled

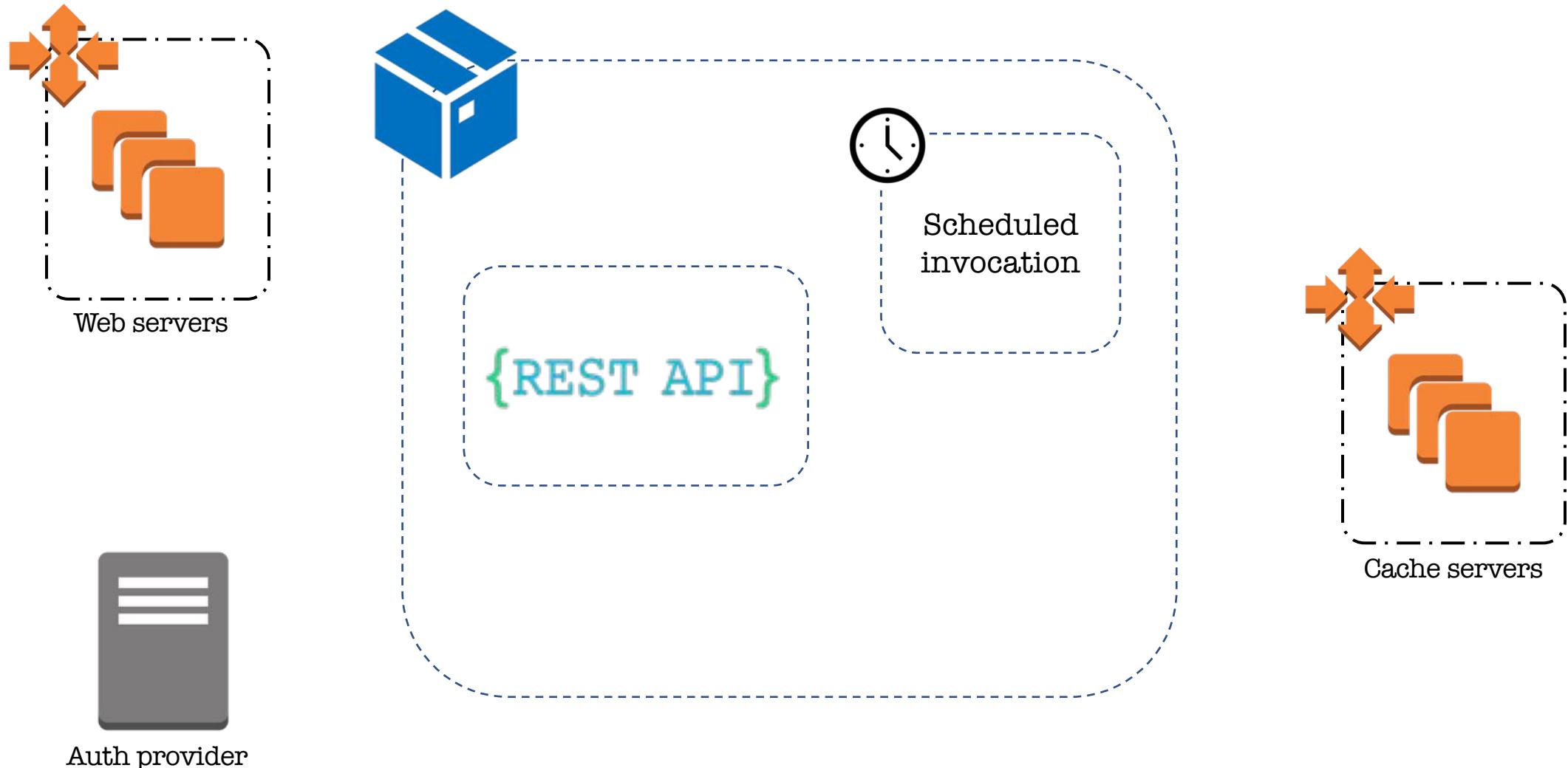


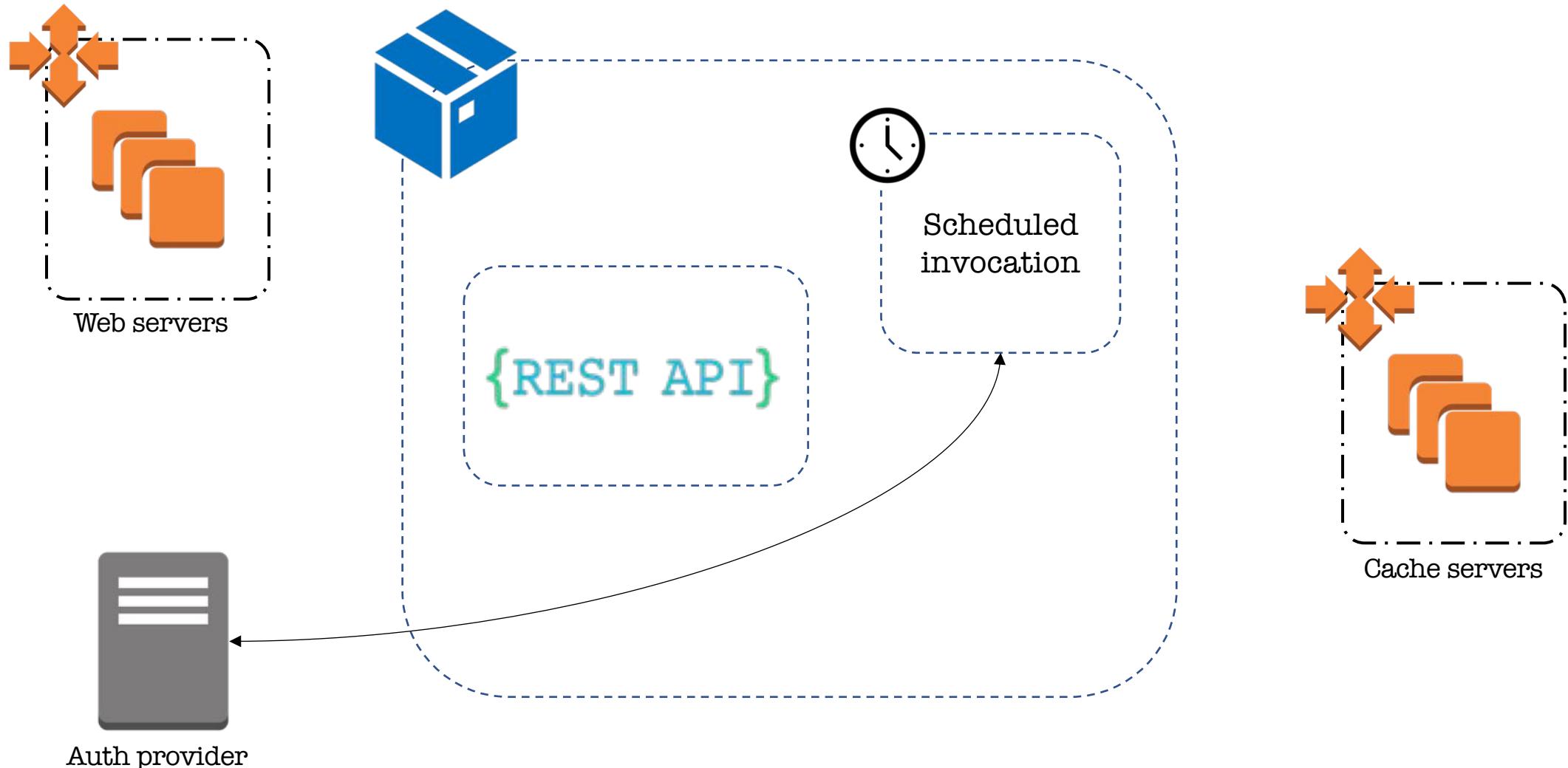
Complements
real-traffic
monitoring

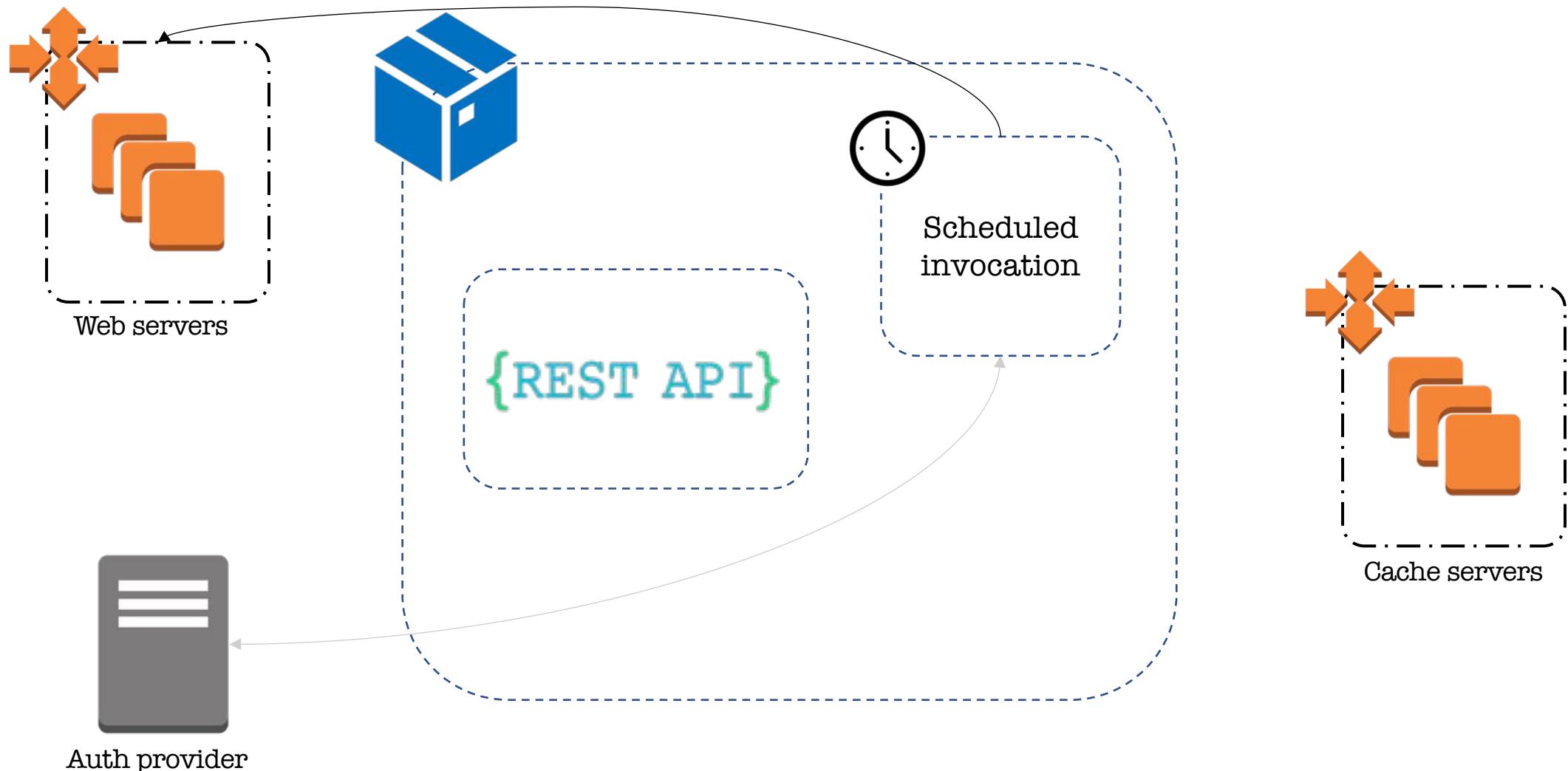


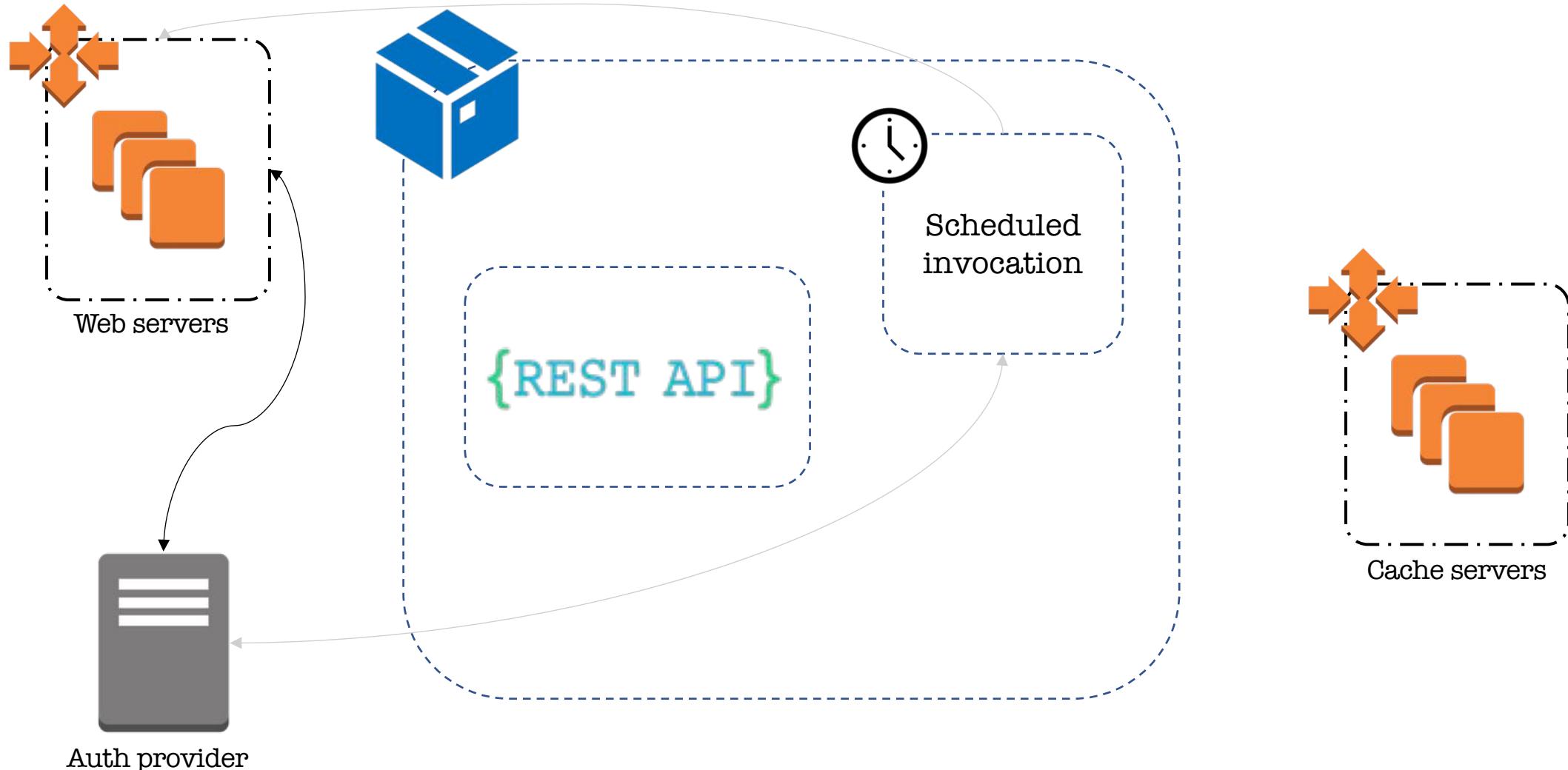
Mimics real
user patterns

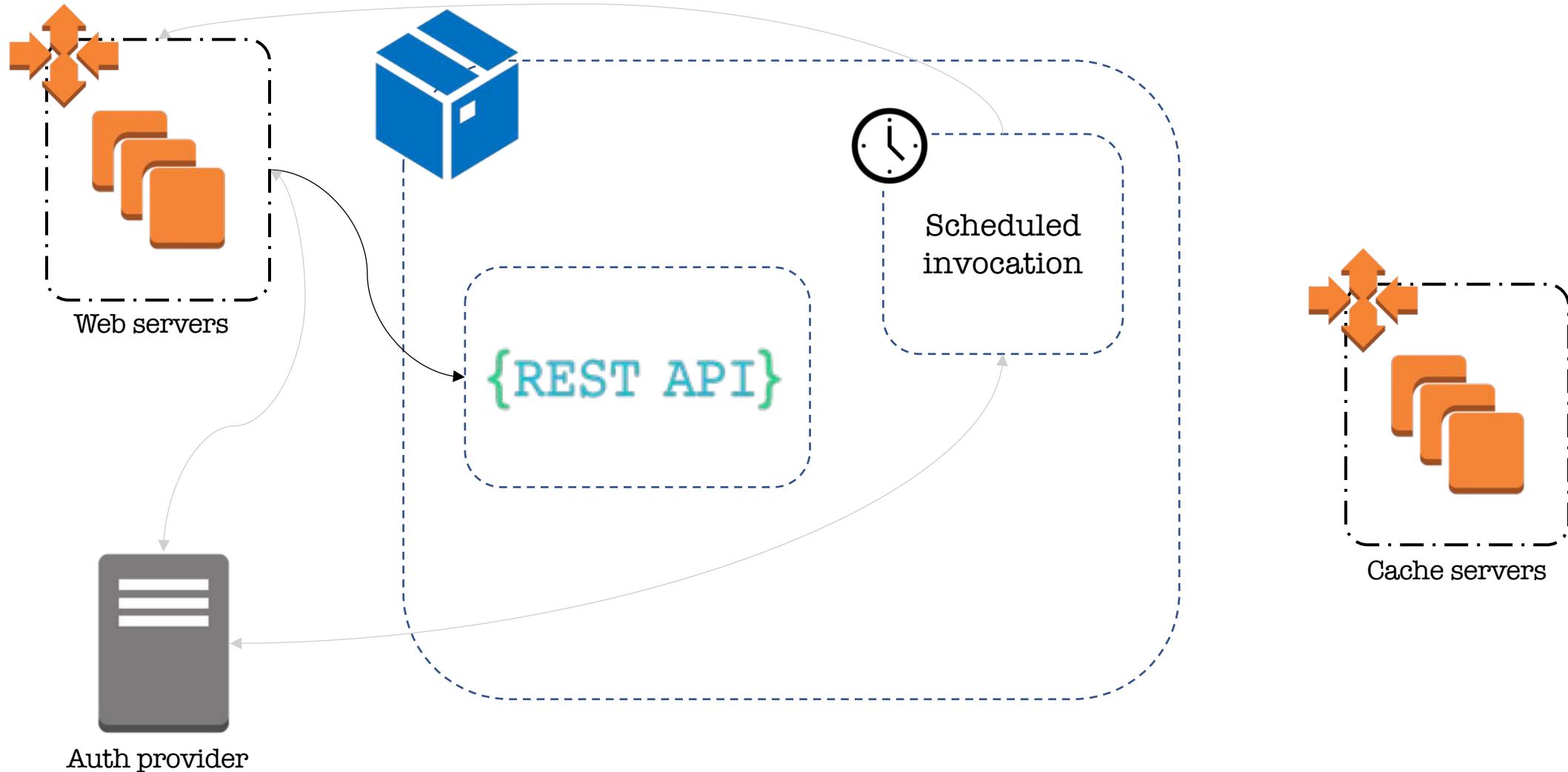


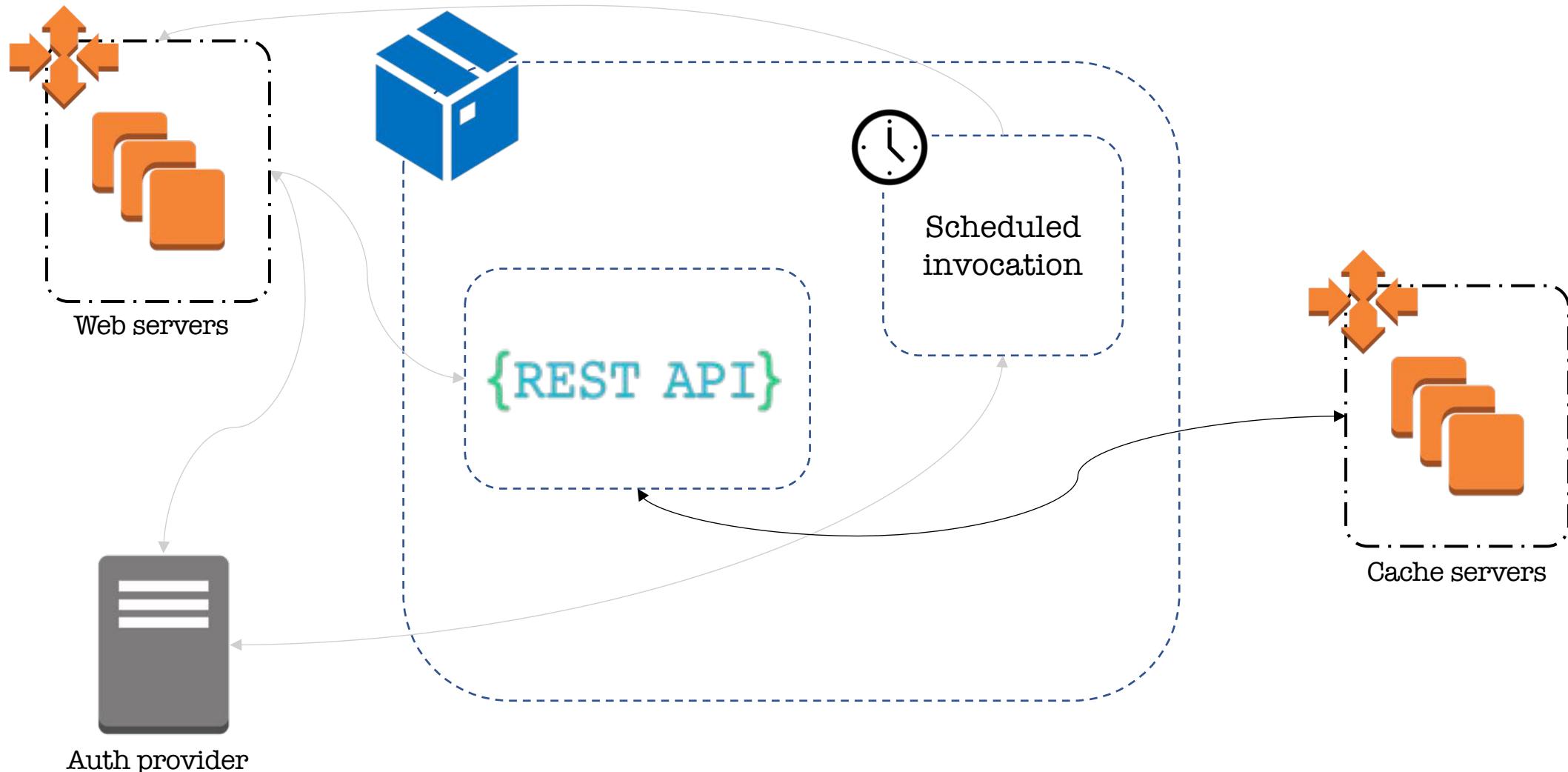


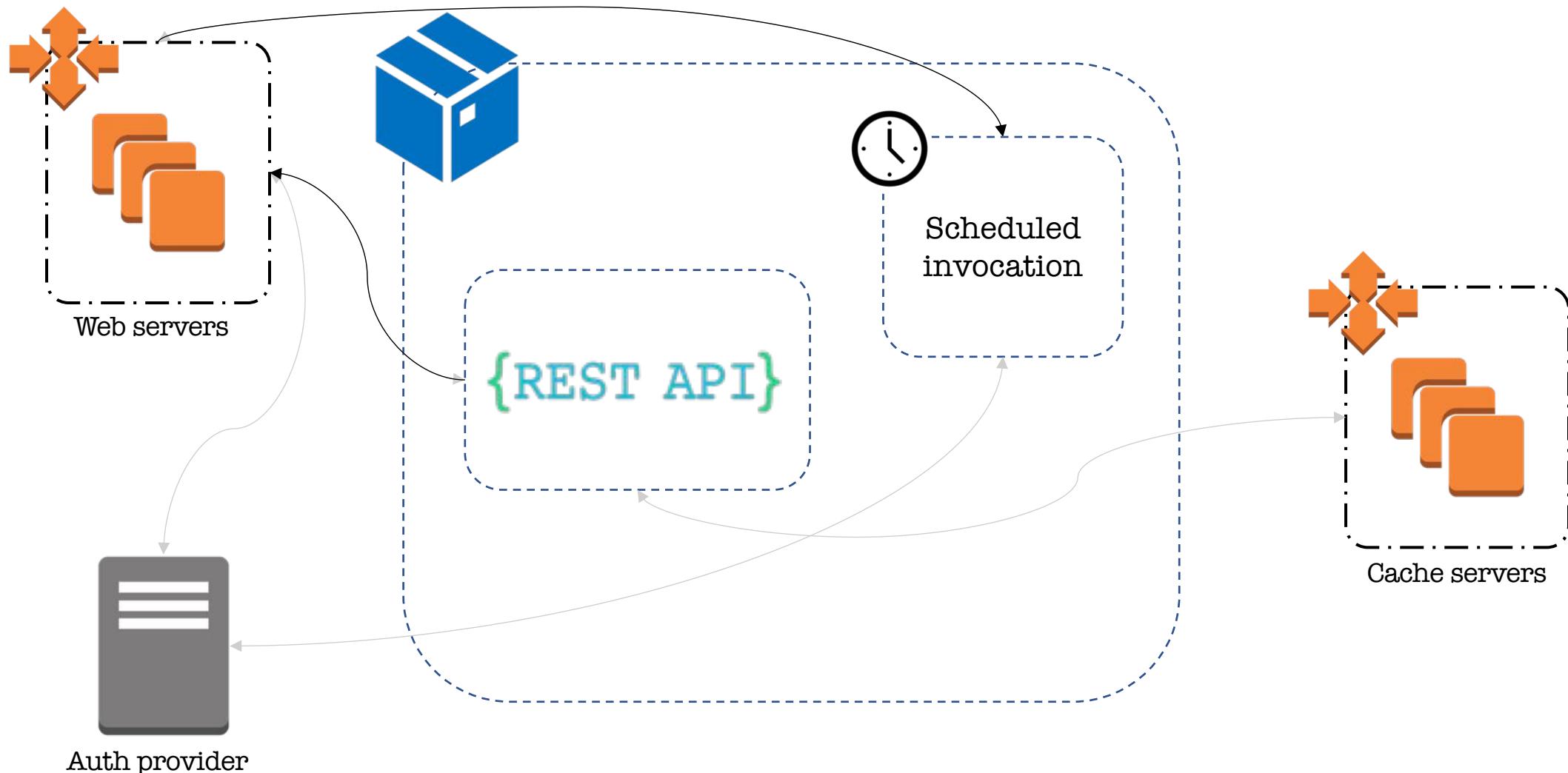


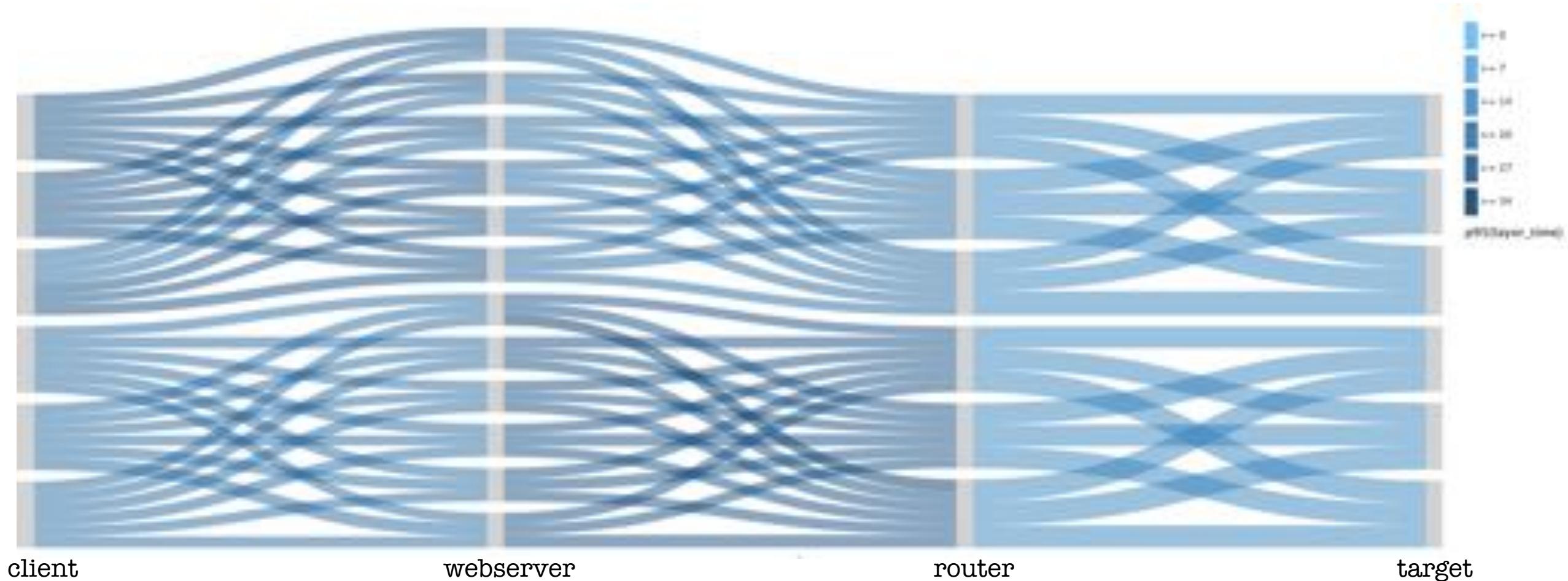












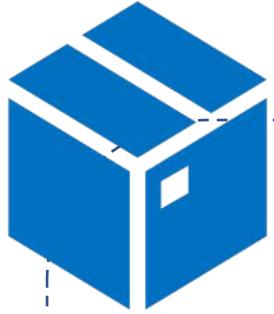
client

webserver

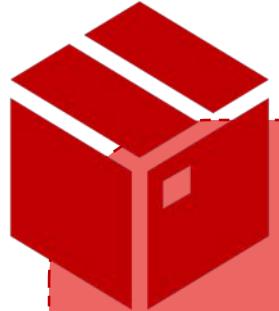
router

target

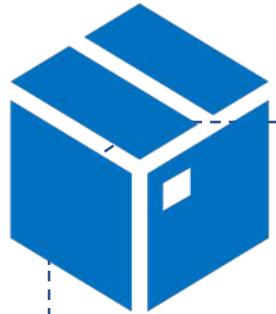
@SREChristina



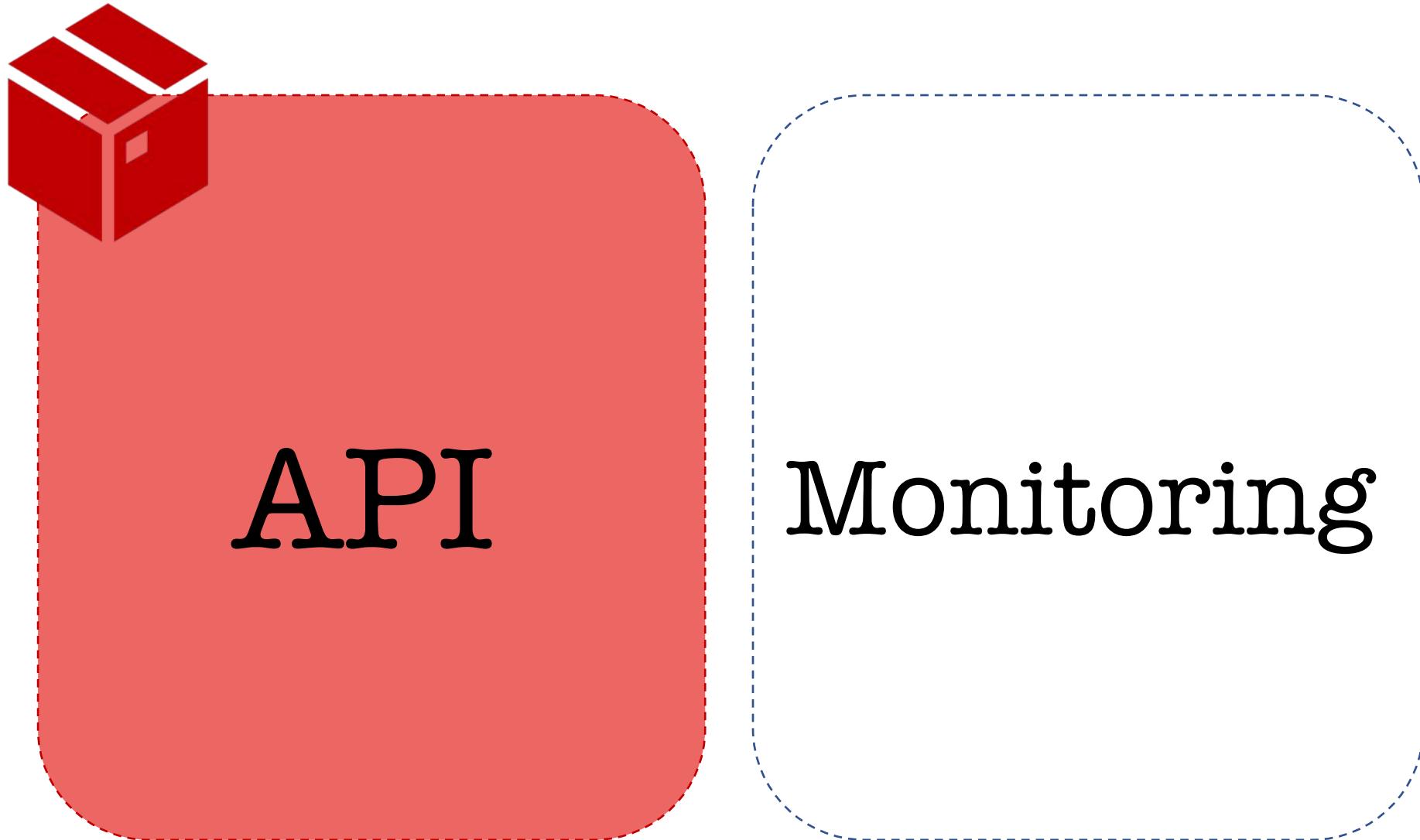
API Monitoring

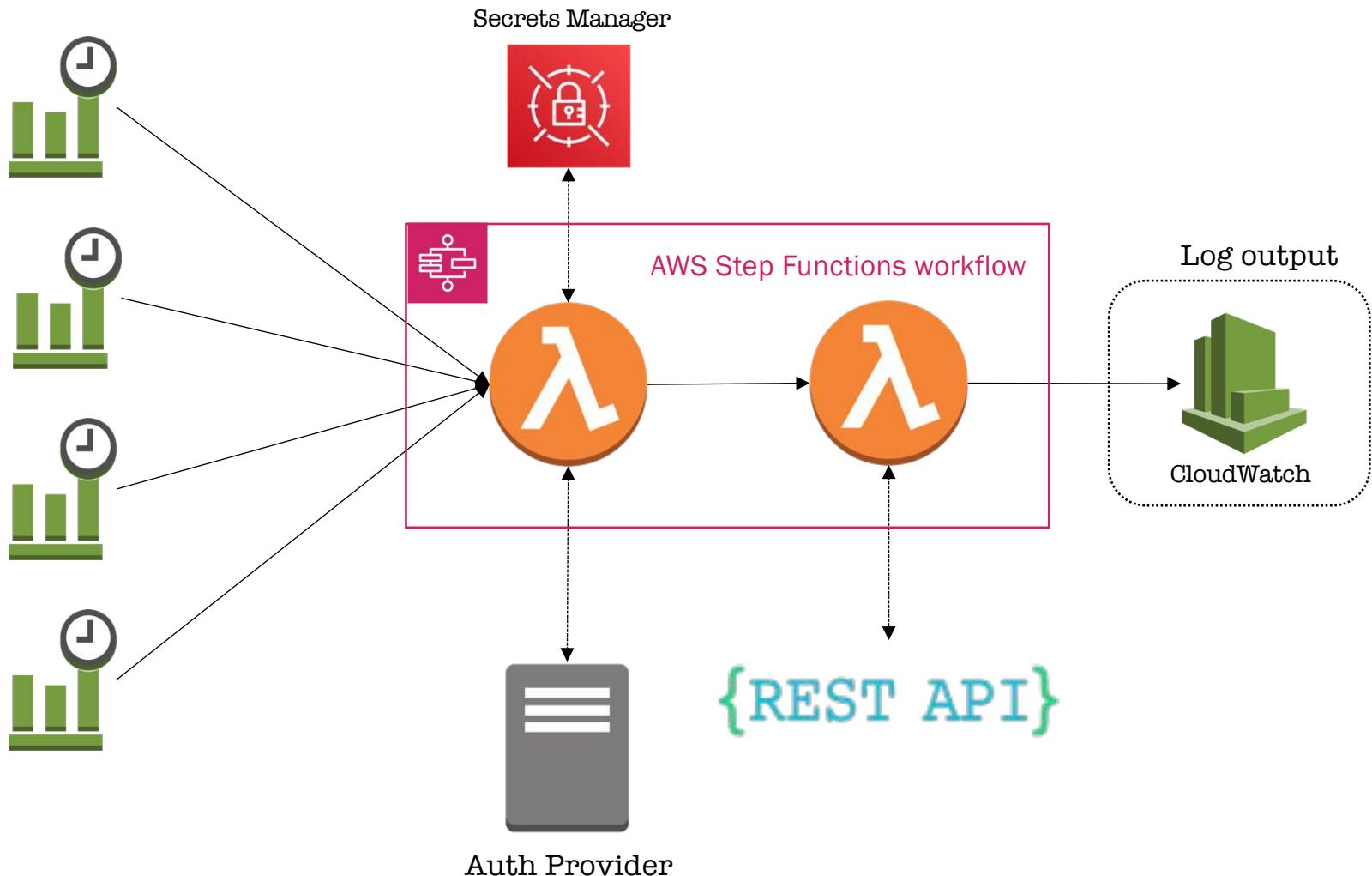


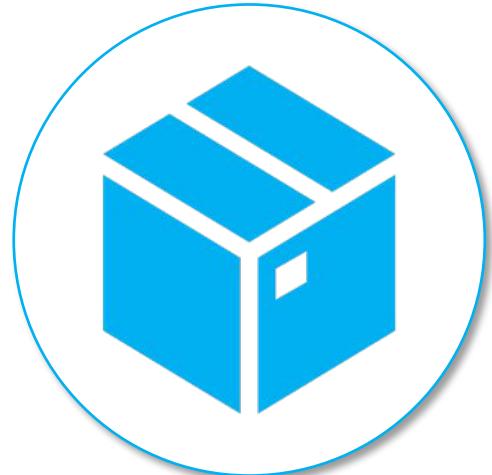
API Monitoring



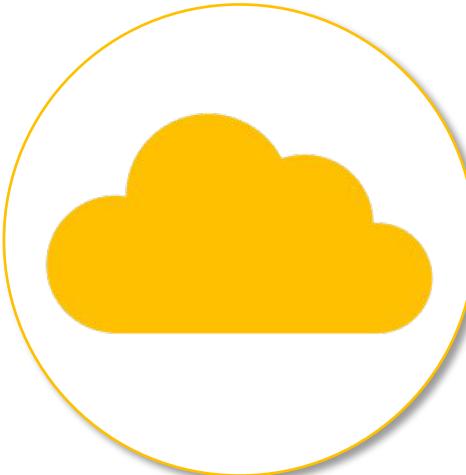
API Monitoring







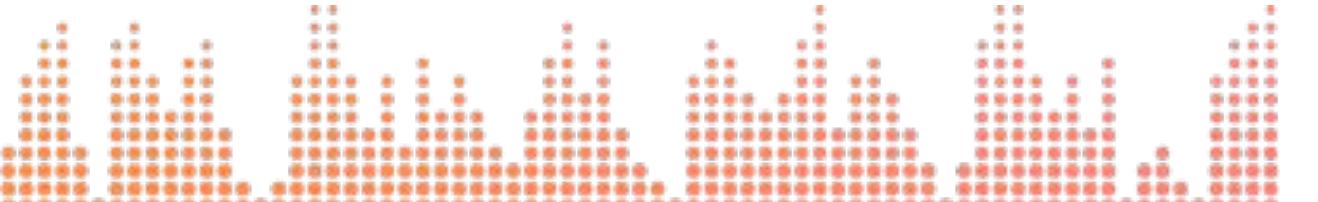
Isolated



Serverless



Global



Vendor solutions are great, but...

Easy to configure

SO EXPENSIVE

No auth integration

Product A

Locked down by
security team

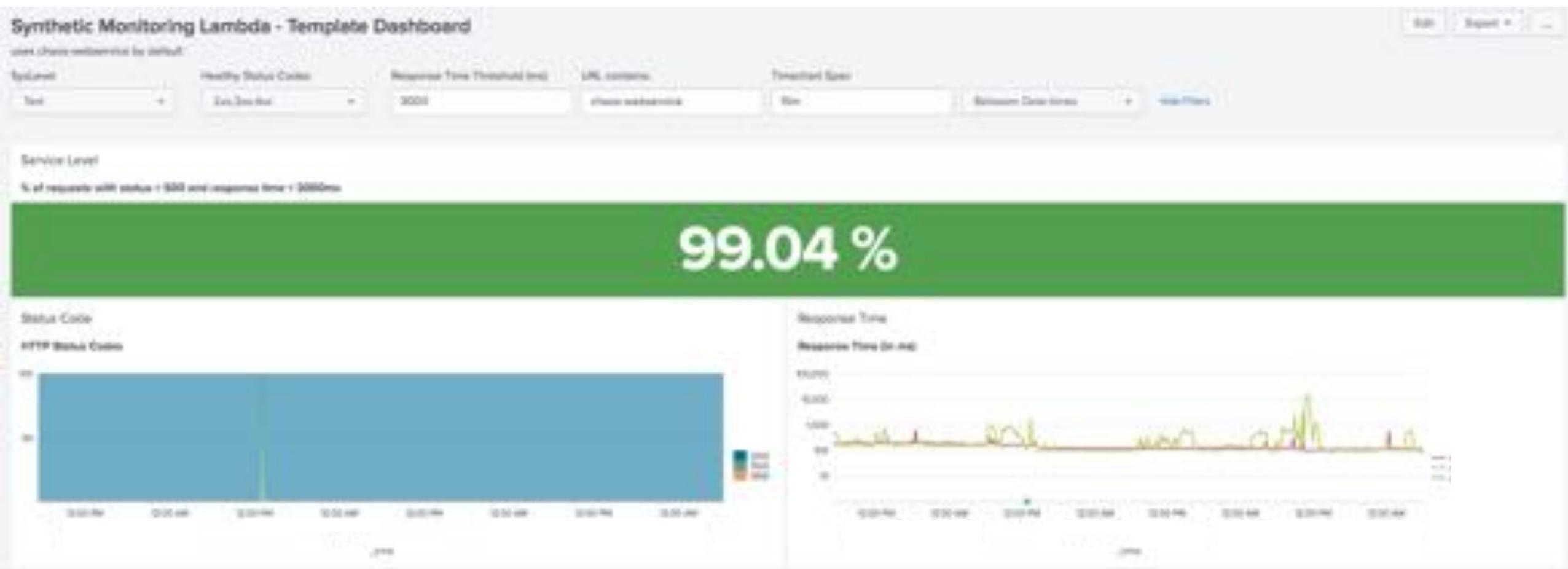
Multiple request
forms to configure

Product B



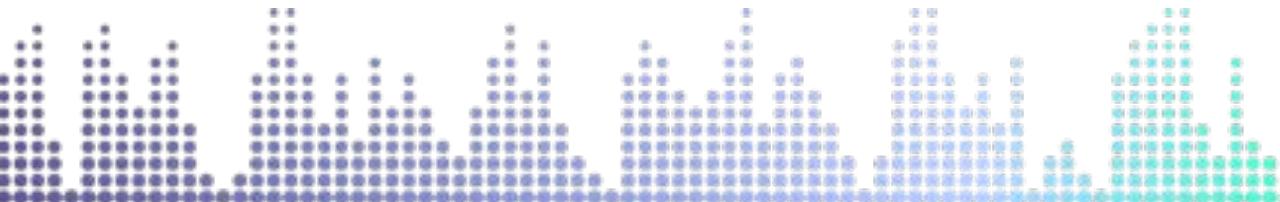
My clients can
take advantage
of this, too!

@SREChristina



Why you should implement synthetic monitoring

How you can get started





Christina Yakomin

Vanguard

aws  CERTIFIED

 @SREChristina

 /in/christina-yakomin

Philadelphia Zoo Member



Avid Traveler



Charcuterie Enthusiast



My pet mouse, Remy

