ATLASSIAN

The content described herein is intended to outline our general product direction for informational purposes only. It is not a commitment to deliver any material, code, or functionality, and should not be relied upon in making purchasing decisions. The development, release, and timing of any features or functionality described herein remain at the sole discretion of Atlassian and is subject to change.

Mastering complexity in software delivery with Platform Engineering and Compass

ANDREW BOYAGI | SENIOR EVANGELIST | LINKEDIN.COM/IN/ANDREWBOYAGI/

ANDREI BOCAN | PRINCIPAL ENGINEER | LINKEDIN.COM/IN/ANDREI-BOCAN/

Deliver high-quality software, fast.

What’s driving this diversity in performance?

Stage 1
Let’s play a game

Memory game

Who

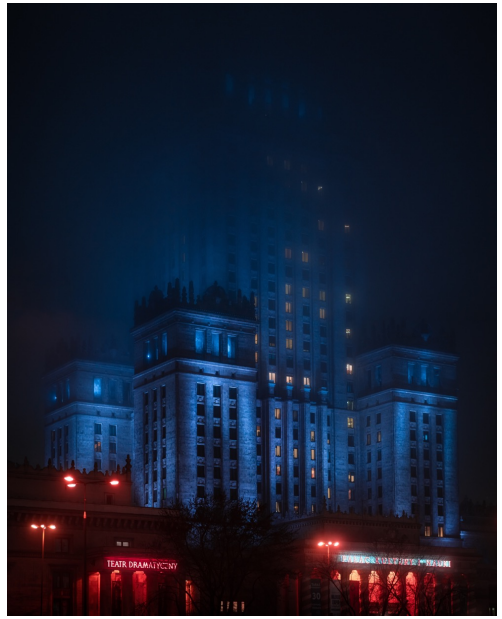
Batman

What

Superhero

Where

Gotham



Who

Andrei Bocan

Mike Cannon-Brookes

What

Principal engineer

Co-CEO

Where

San Francisco

Sydney

Stage 1
Where does Batman live?

Who

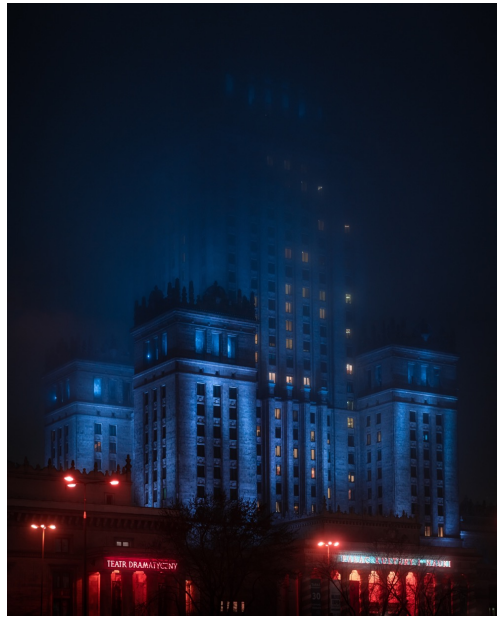
Batman

What

Superhero

Where

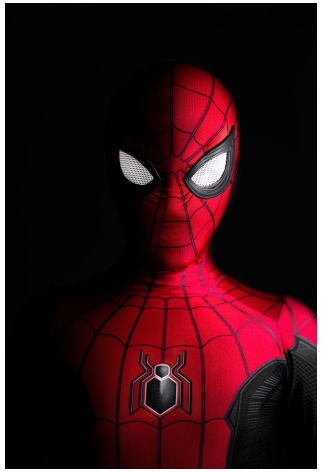
Gotham



Stage 2

Who

Spiderman



Buzz Lightyear

What

Student

Toy

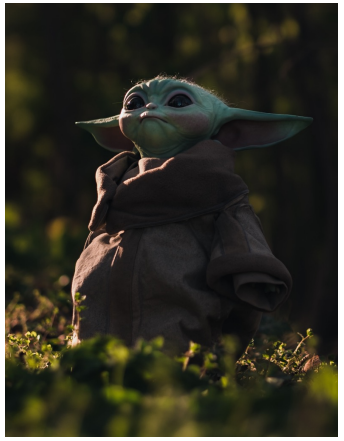
Where

Queens

Andy's House

Who

Grogu



Mickey

What

Unknown

Wizard

Where

The Razor Crest

Disneyland

Stage 2

What color was the symbol on Mike Cannon-Brookes' hat?

Mike Cannon-Brookes

Co-CEO

Sydney

Stage 3

2578895

9287736

456852

Stage 3

Which two fictional characters appeared in another person's row?

Who

Andrei Bocan

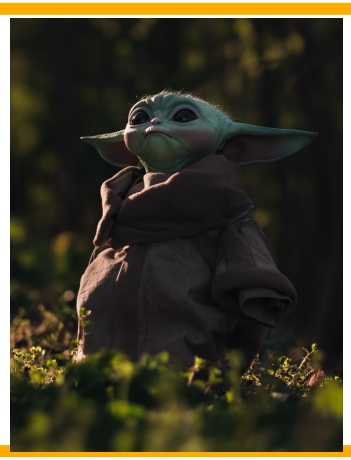
What

Principal engineer

Where

Springfield

Grogu



Unknown

The Razor Crest

Who

Mike Cannon-Brookes

What

Co-CEO

Where

Sydney

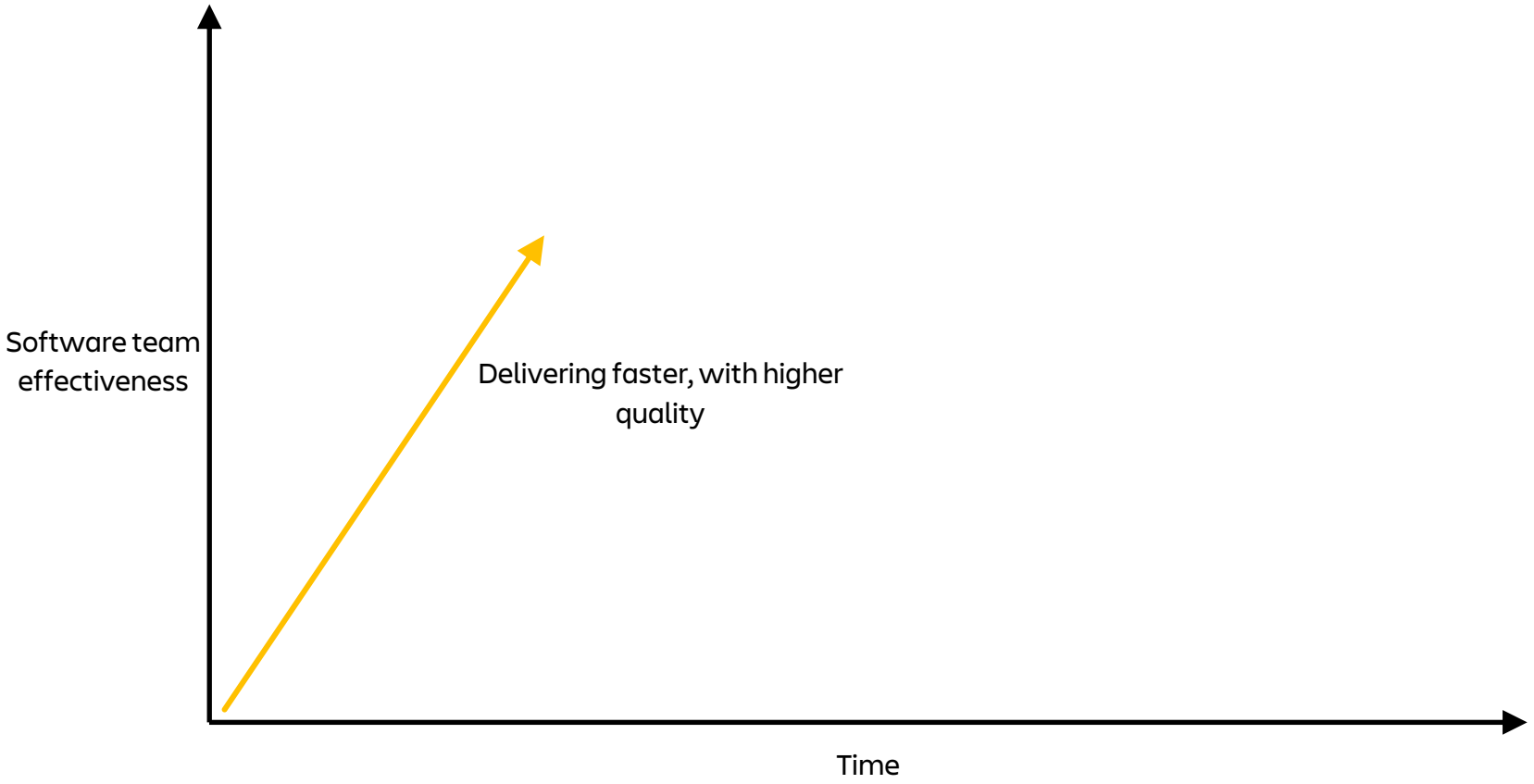
Mickey

Wizard

Disneyland

Complexity in software delivery

The Atlassian microservices journey

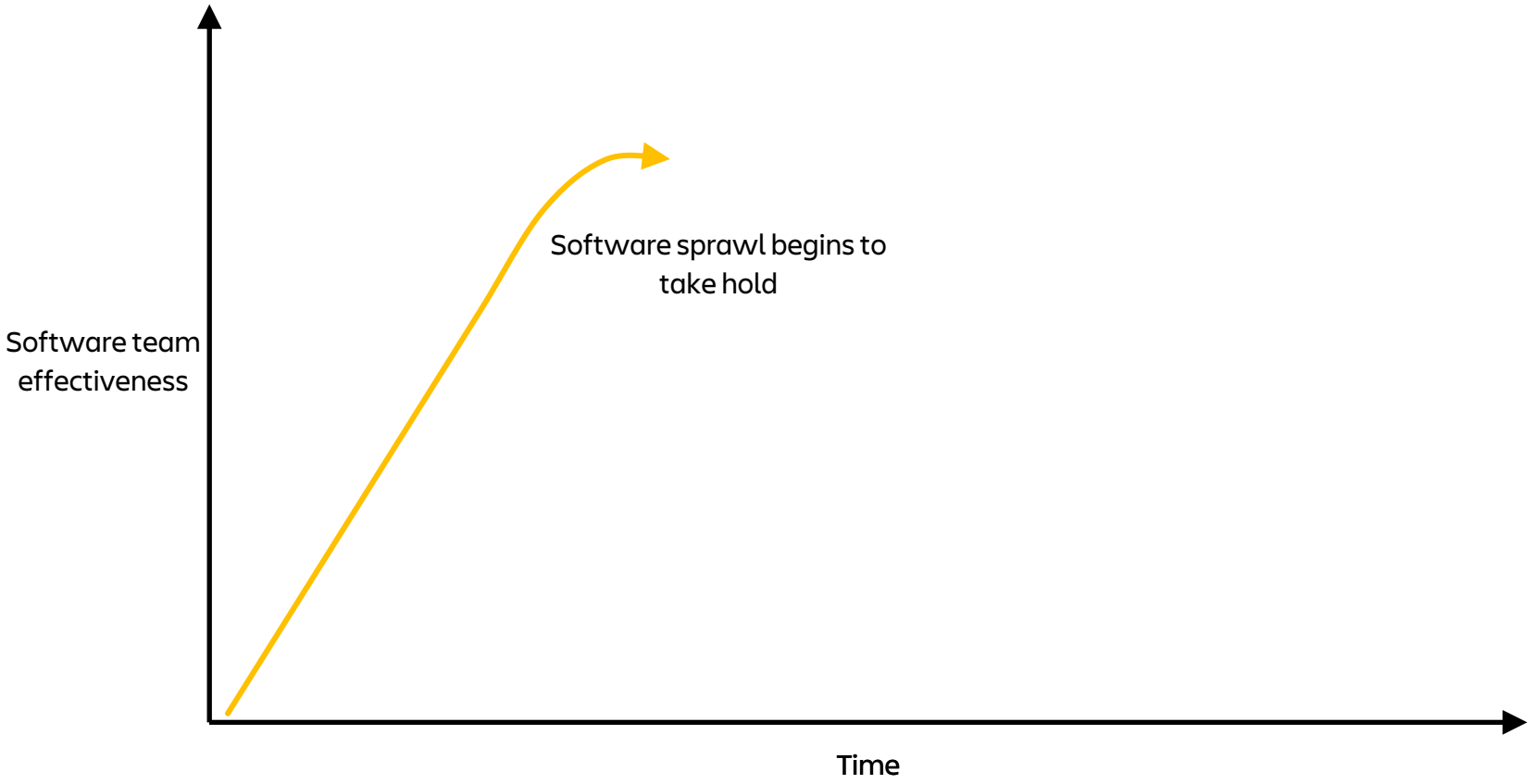


- DORA* metrics
- Quality
- Security and compliance
- Developer satisfaction

Memory game - Stage 1

DORA* - DevOps Research and Assessment

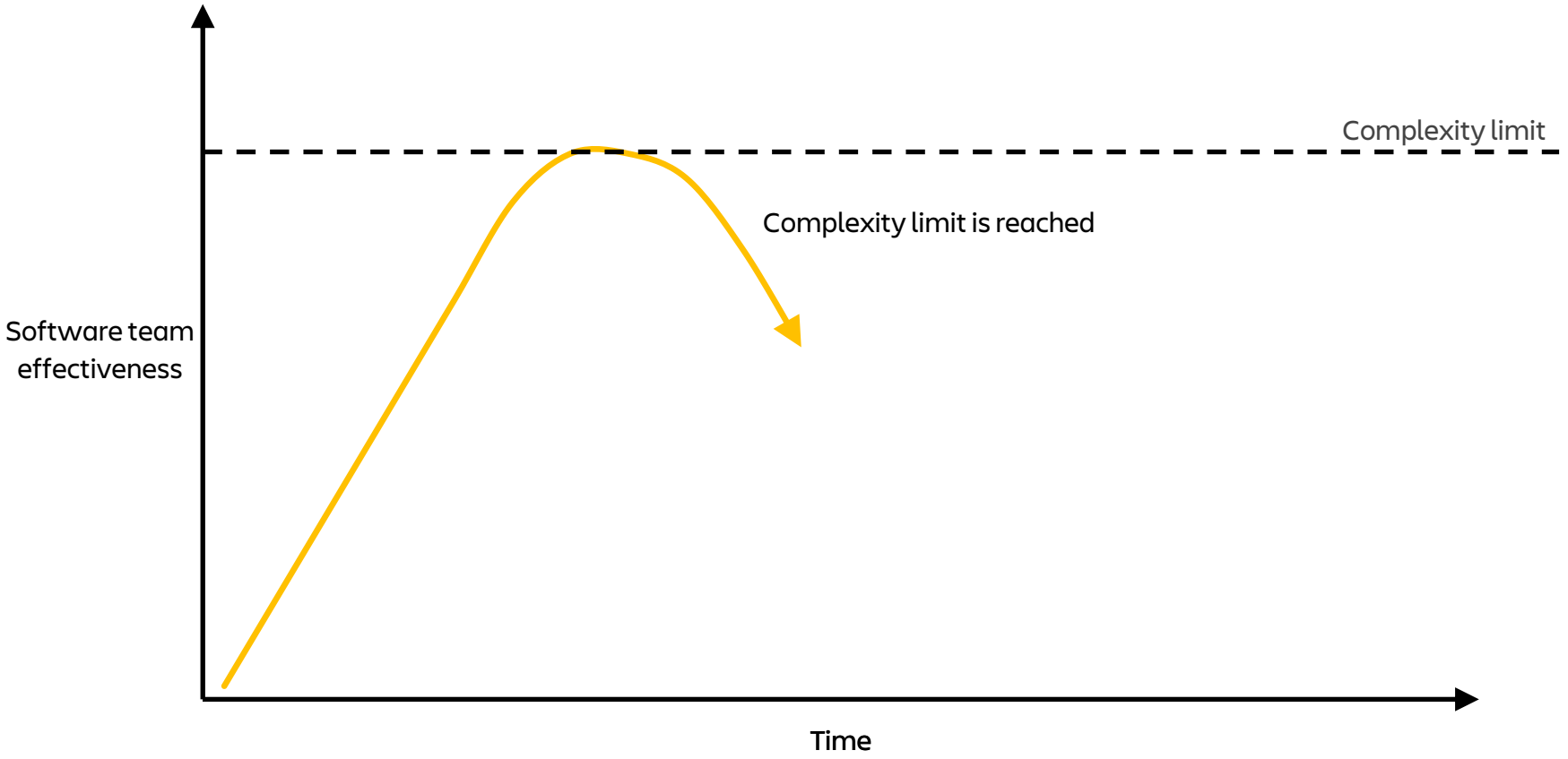
The Atlassian microservices journey



- Change velocity
- Software components
- Cognitive load
- Developer satisfaction

Memory game - Stage 2

The Atlassian microservices journey



- Collaboration norms
- DORA metrics
- Quality
- Security and compliance
- Developer satisfaction

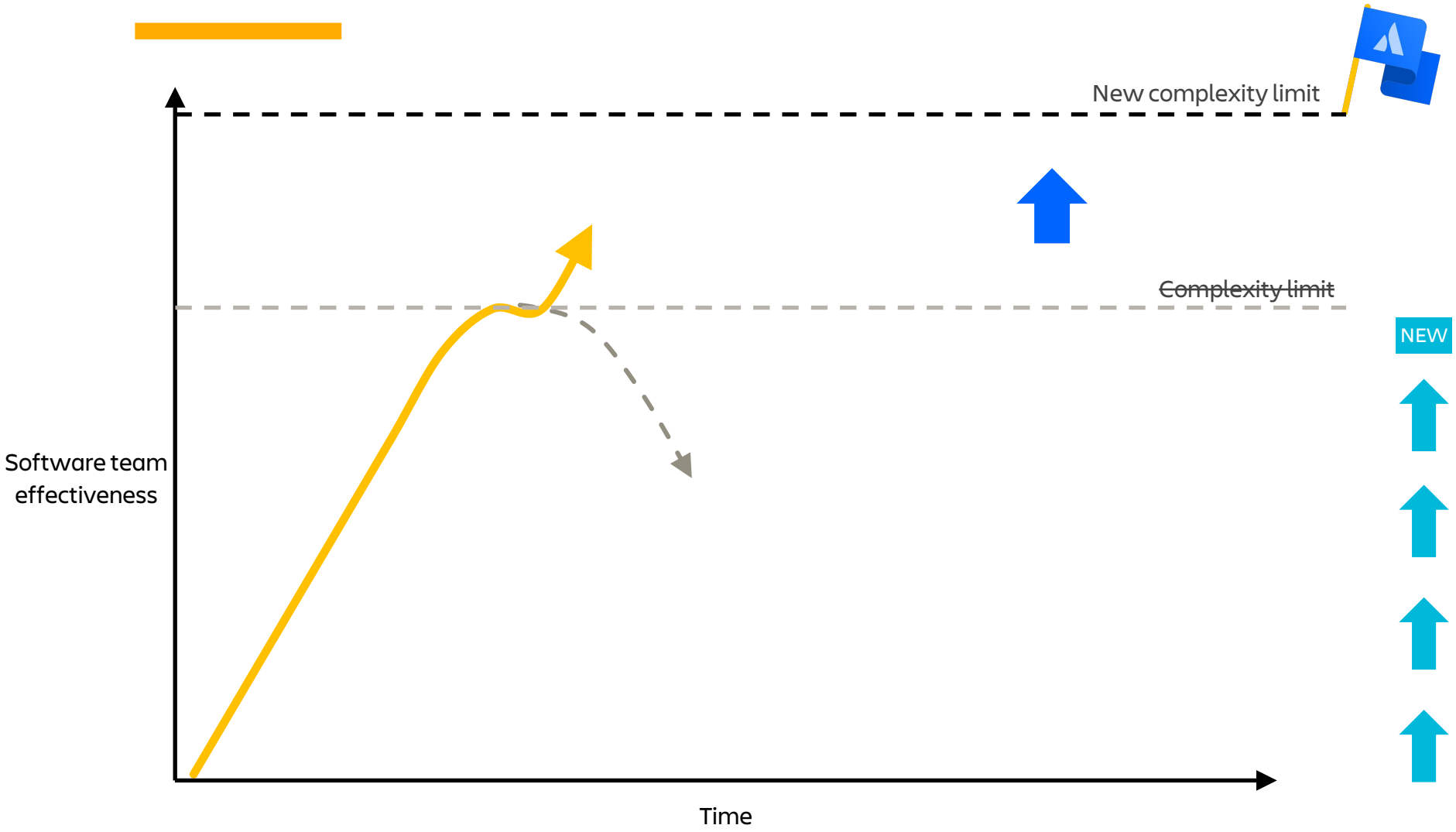
Memory game - Stage 3

Simplification is a losing strategy

- Complexity will grow faster than you can simplify.
- Simplification “projects” operate in the same complex environments that they aim to simplify.

What if we increase the complexity limit for software teams?

The Atlassian microservices journey



NEW Collaboration norms

DORA metrics

Quality

Security and compliance

Developer satisfaction

ATLASSIAN

Compass

Reduces cognitive load for software teams

Who, what, where?

Teams no longer need to remember which team to engage, what the thousands of components do, or where to go for information.

Requirements up front

Teams know up front the standards they need to meet, and can track compliance as they progress.

Information on demand culture

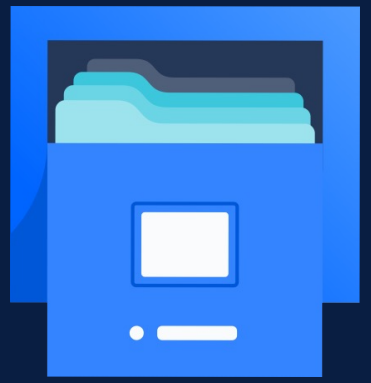
Self-serve information leads to high value collaboration between teams when required.

COMPLEX SYSTEMS

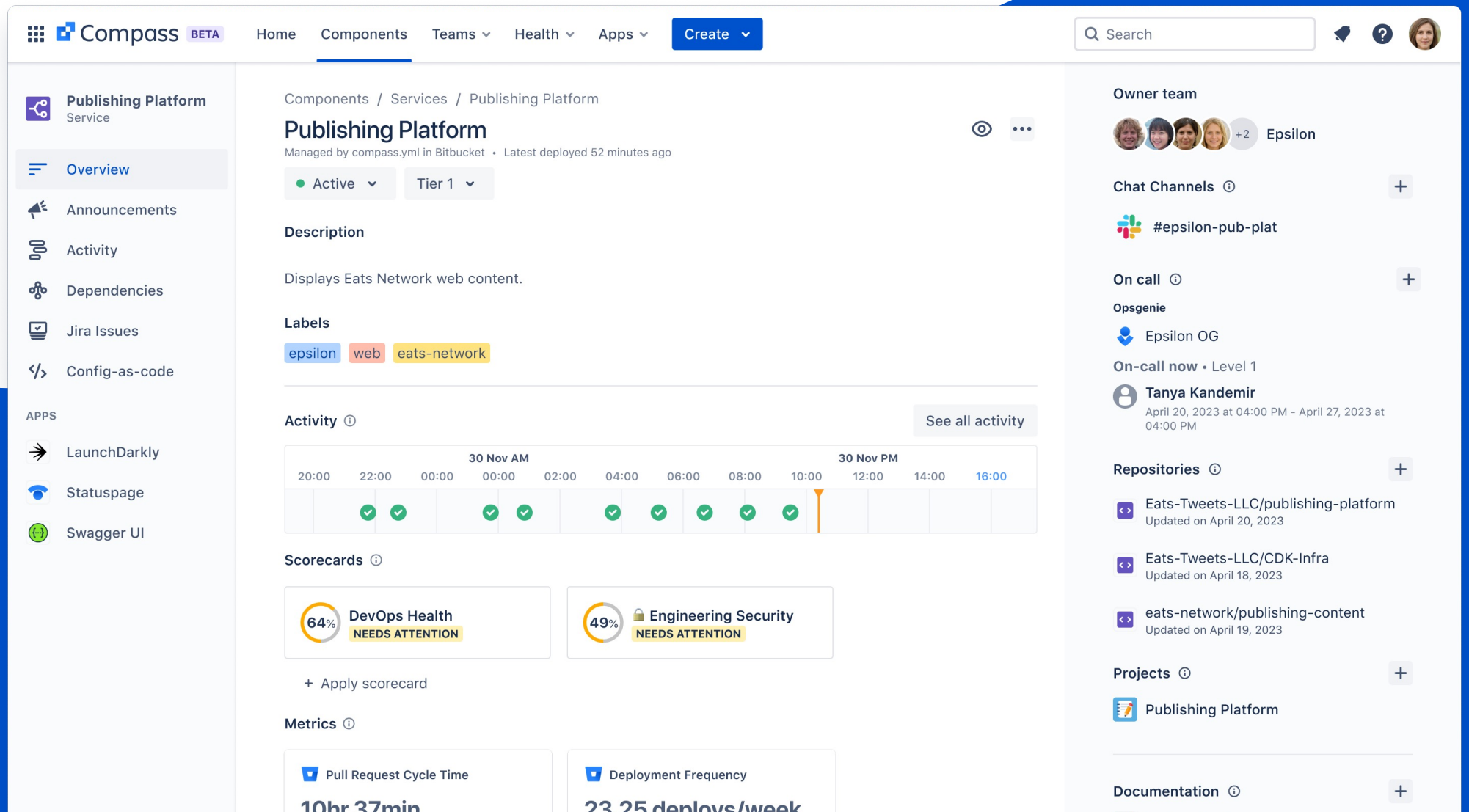
New service

COMPLEX SYSTEMS

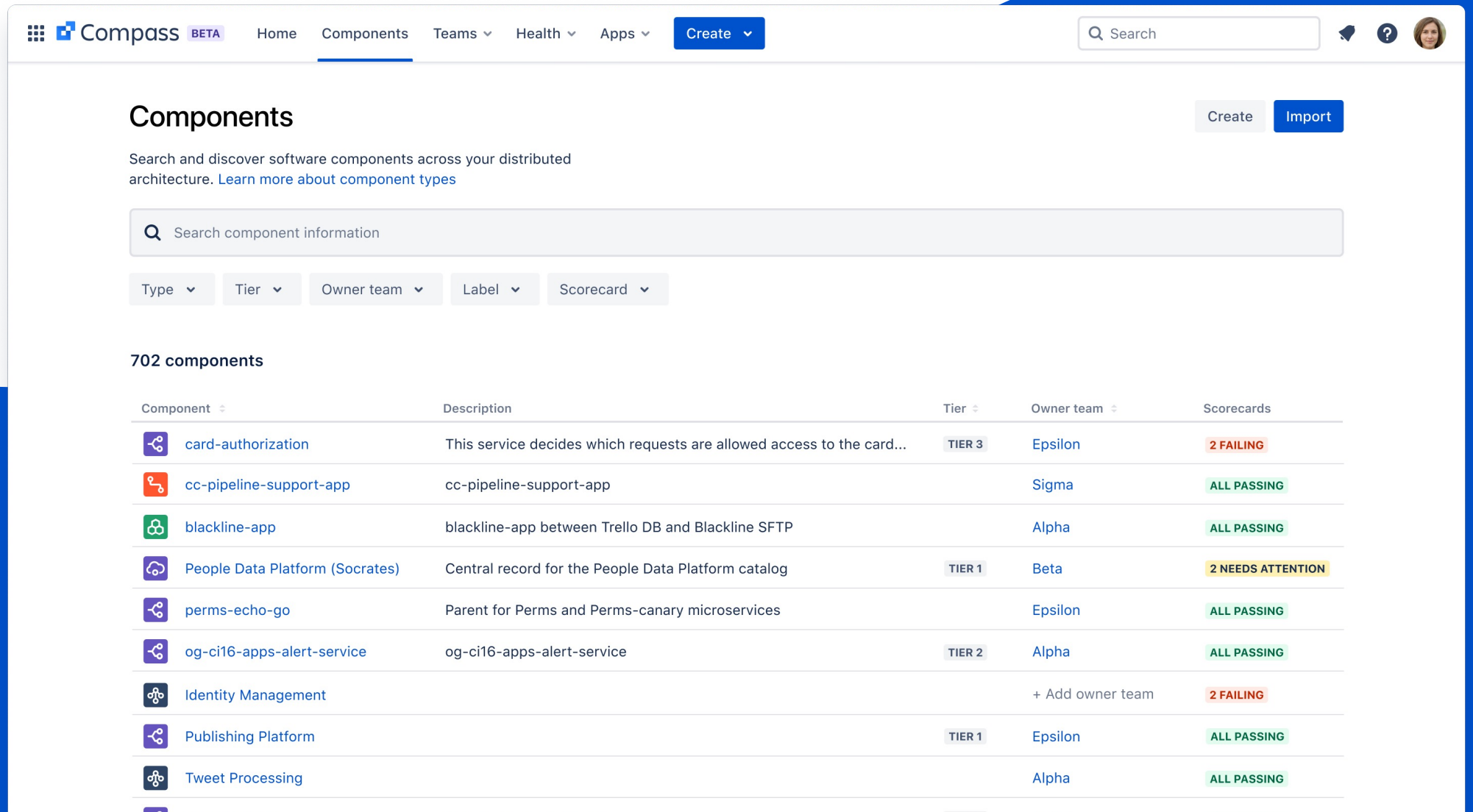
Tracking software components



COMPONENT CATALOG



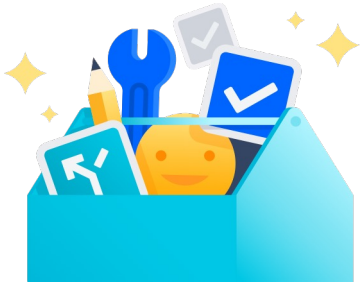
COMPONENT CATALOG



Creating a new service

Component templates

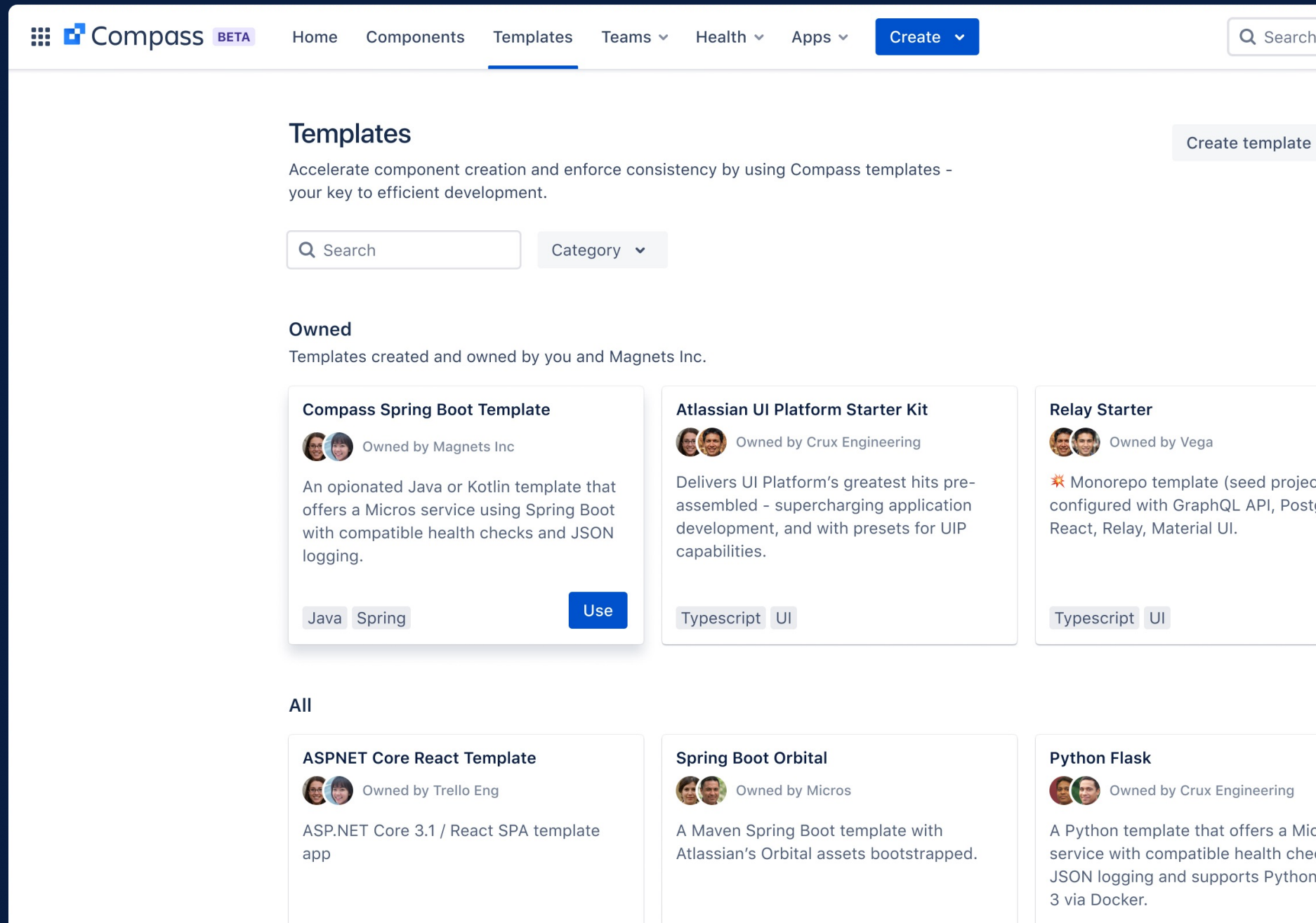
Ownership



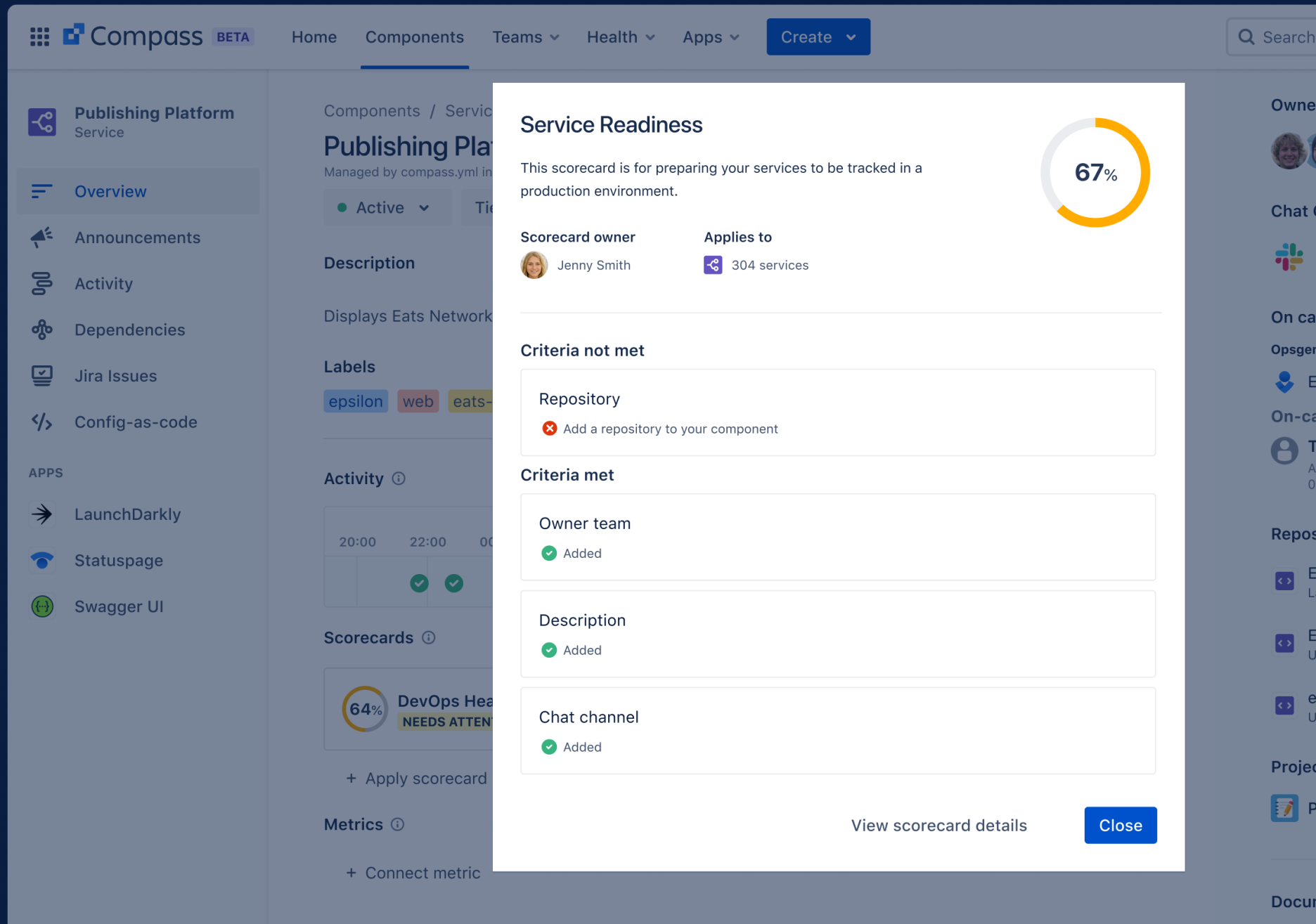
Metadata

Discoverability

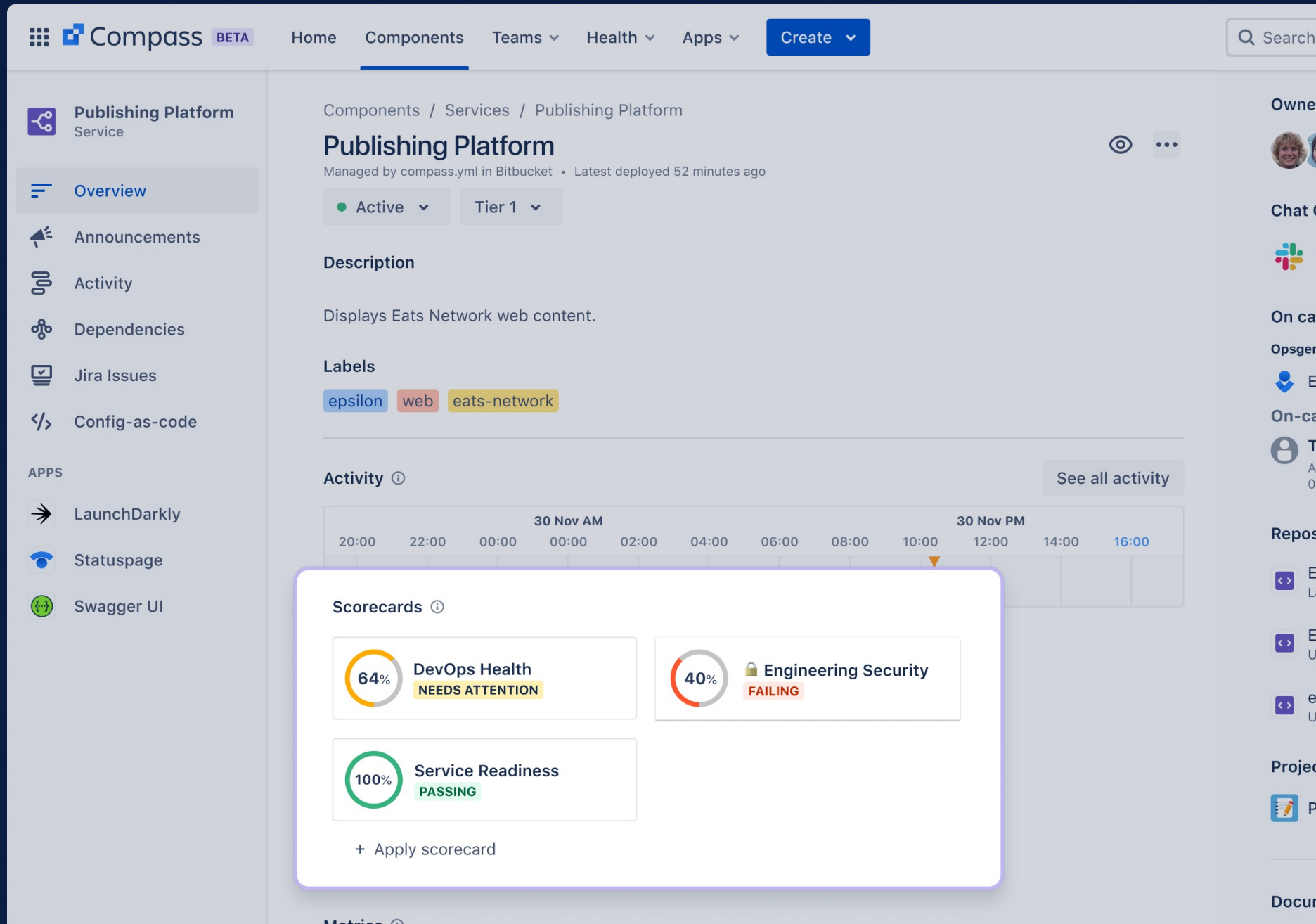
TEMPLATES


Compass BETA
Home
Components
Templates
Teams
Health
Apps
Create
Search
Templates
Accelerate component creation and enforce consistency by using Compass templates - your key to efficient development.
Create template
Search
Category
Owned
Templates created and owned by you and Magnets Inc.
Compass Spring Boot Template
Owned by Magnets Inc
An opionated Java or Kotlin template that offers a Micros service using Spring Boot with compatible health checks and JSON logging.
Java
Spring
Use
Atlassian UI Platform Starter Kit
Owned by Crux Engineering
Delivers UI Platform's greatest hits pre-assembled - supercharging application development, and with presets for UIP capabilities.
Typescript
UI
Relay Starter
Owned by Vega
Monorepo template (seed projec
configured with GraphQL API, Post
React, Relay, Material UI.
Typescript
UI
All
ASPNET Core React Template
Owned by Trello Eng
ASP.NET Core 3.1 / React SPA template app
Spring Boot Orbital
Owned by Micros
A Maven Spring Boot template with Atlassian's Orbital assets bootstrapped.
Python Flask
Owned by Crux Engineering
A Python template that offers a Mic
service with compatible health che
JSON logging and supports Python
3 via Docker.

SCORECARDS


Compass BETA
Home
Components
Teams
Health
Apps
Create
Search
Publishing Platform
Service
Overview
Announcements
Activity
Dependencies
Jira Issues
Config-as-code
APPS
LaunchDarkly
Statuspage
Swagger UI
Components / Servic
Publishing Pla
Managed by compass.yml in
Active
Description
Displays Eats Network
Labels
epsilon
web
eats-
Activity
20:00
22:00
Scorecards
64%
DevOps Hea
NEEDS ATTEN
+ Apply scorecard
Metrics
+ Connect metric
Service Readiness
This scorecard is for preparing your services to be tracked in a production environment.
67%
Scorecard owner
Jenny Smith
Applies to
304 services
Criteria not met
Repository
Add a repository to your component
Criteria met
Owner team
Added
Description
Added
Chat channel
Added
View scorecard details
Close

SCORECARDS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Jira Issues
Config-as-code
APPS
LaunchDarkly
Statuspage
Swagger UI
Components / Services / Publishing Platform
Publishing Platform
Managed by compass.yml in Bitbucket • Latest deployed 52 minutes ago
Active
Tier 1
Description
Displays Eats Network web content.
Labels
epsilon
web
eats-network
Activity
See all activity
30 Nov AM
30 Nov PM
20:00
22:00
00:00
00:00
02:00
04:00
06:00
08:00
10:00
12:00
14:00
16:00
Scorecards
64%
DevOps Health
NEEDS ATTENTION
40%
Engineering Security
FAILING
100%
Service Readiness
PASSING
+ Apply scorecard

Disaster recovery planning

Spreadsheet

Emails

Messages

Walking

Disaster recovery planning

Spreadsheet

Emails

Messages

Walking

Disaster recovery planning

Spreadsheet

Emails

Messages

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Disaster recovery planning

Spreadsheet

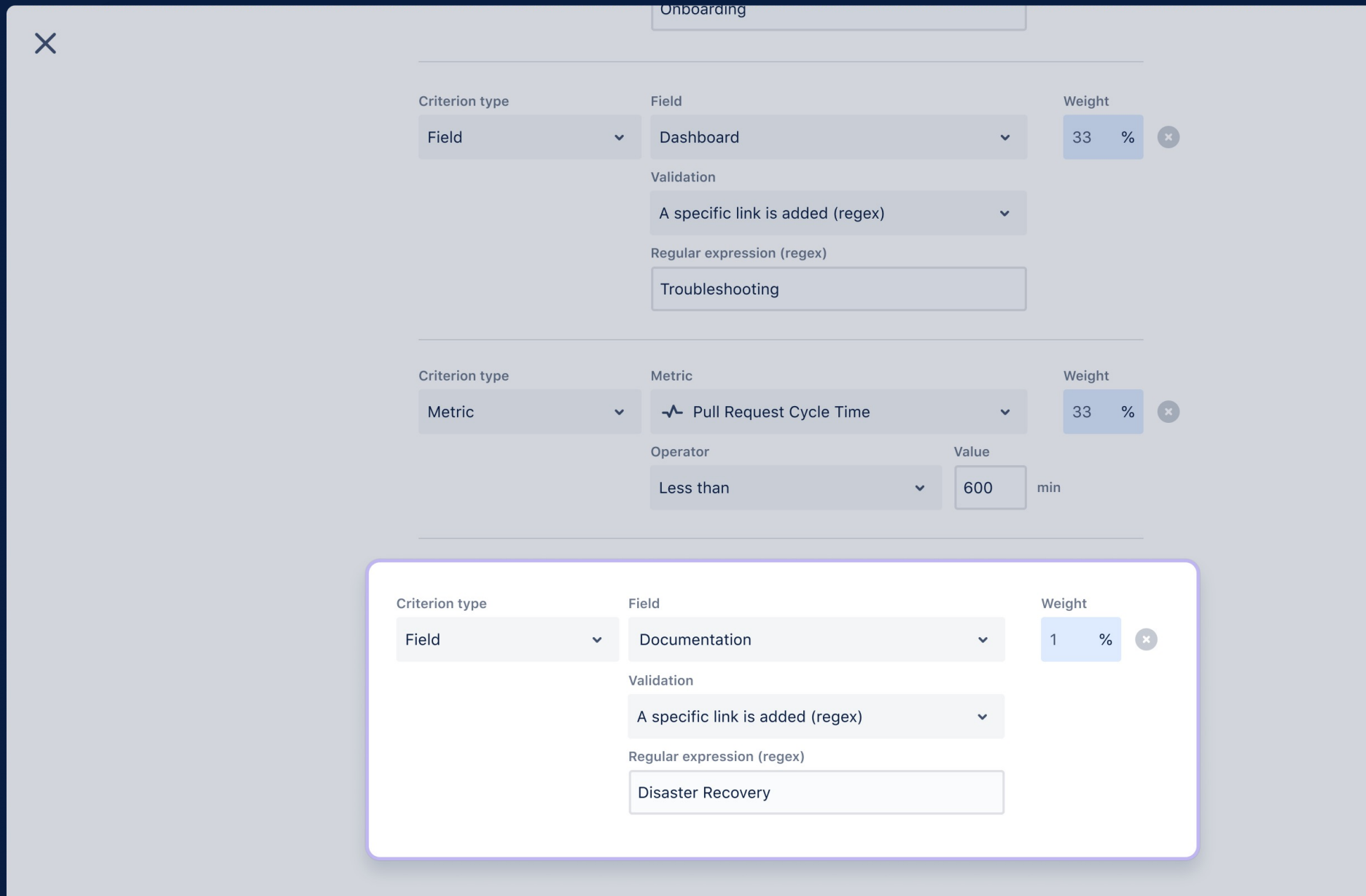
Emails

Messages

Walking

DISASTER RECOVERY PLANNING

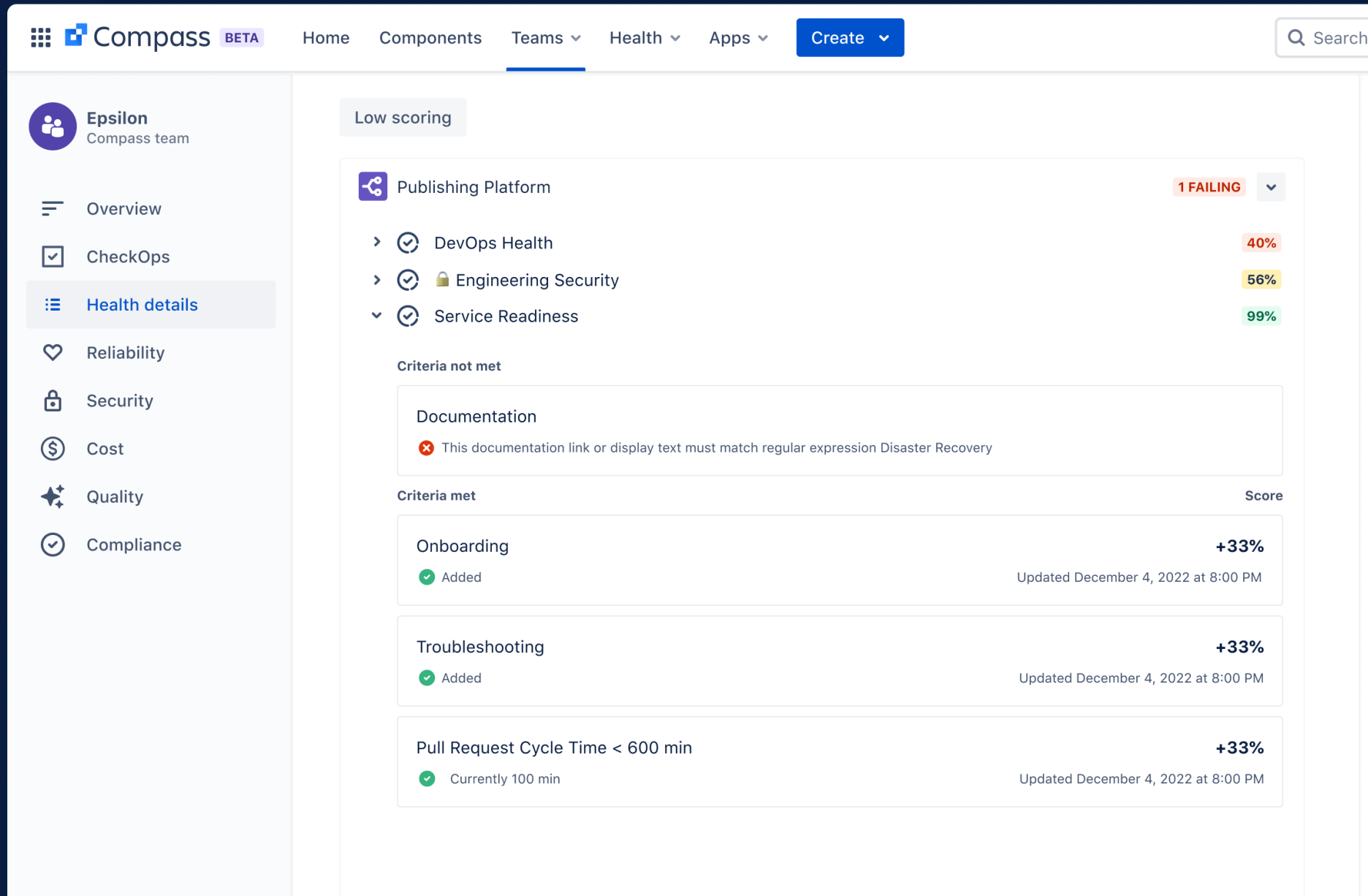
Scorecard



DISASTER RECOVERY PLANNING

Scorecard

CheckOps

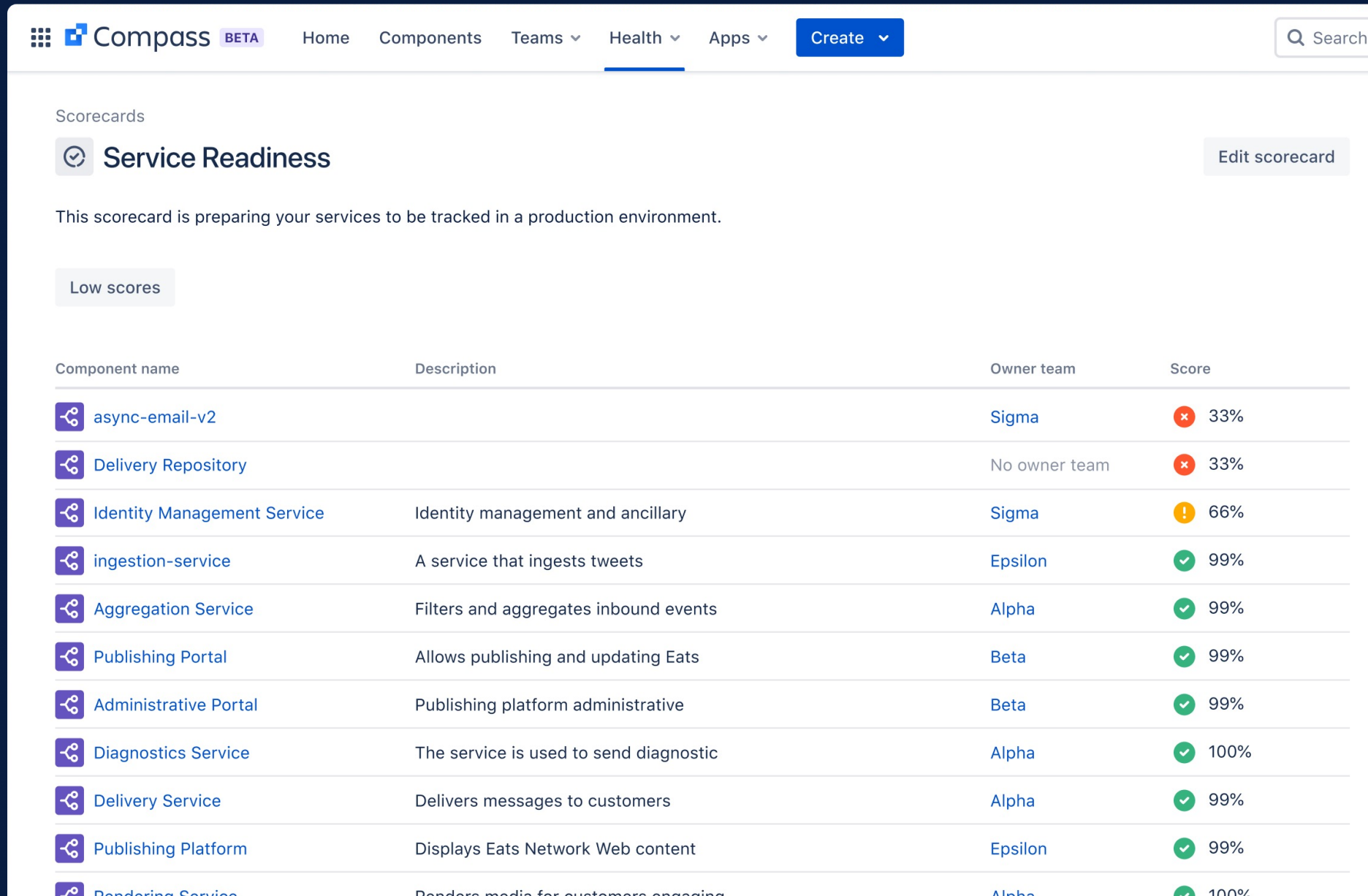


DISASTER RECOVERY PLANNING

Scorecard

CheckOps

Reporting



Incidents

3:00 AM

Alerting tool

Monitoring tool

Find dashboard

Determine faulty service

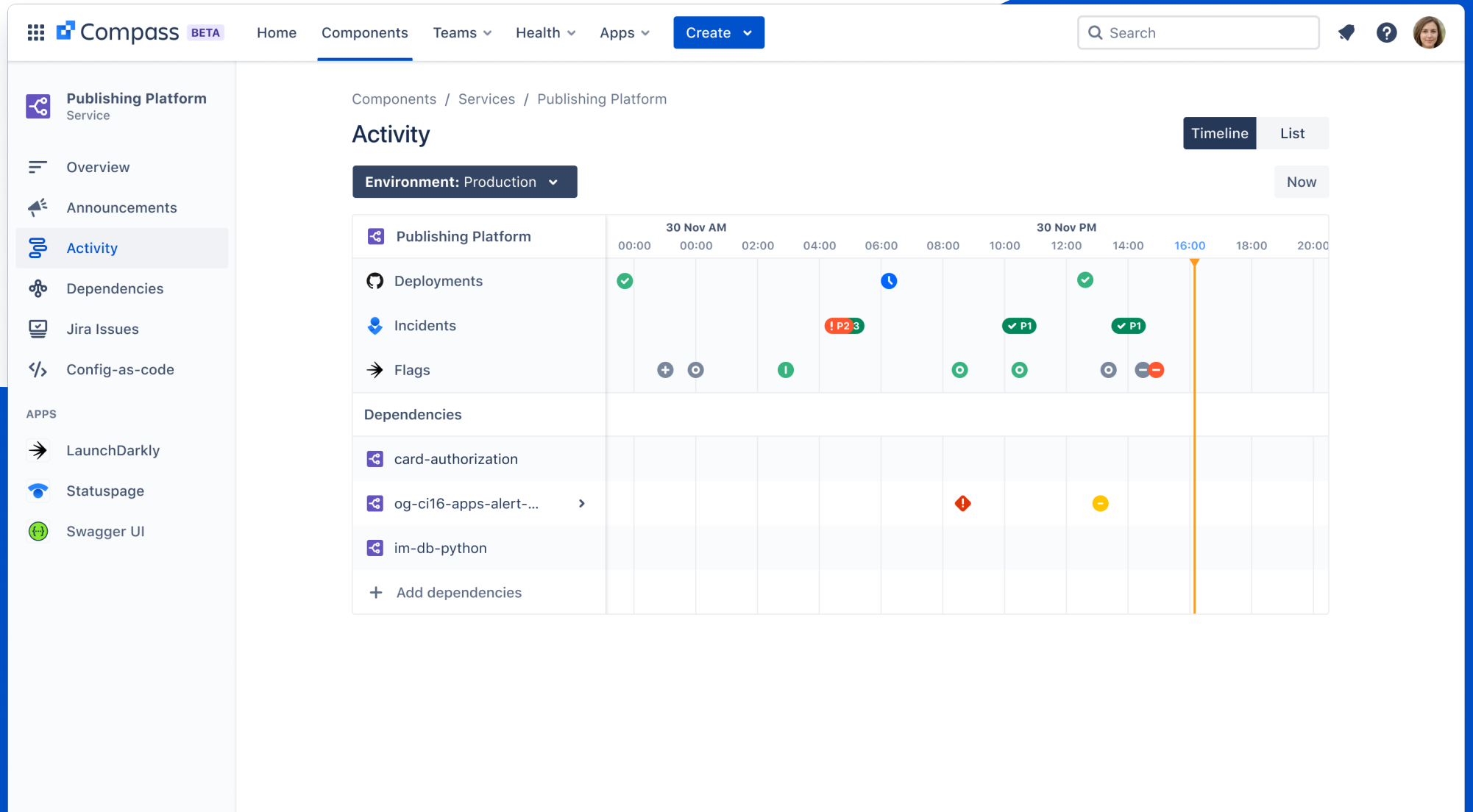
Find runbook

Logging tool

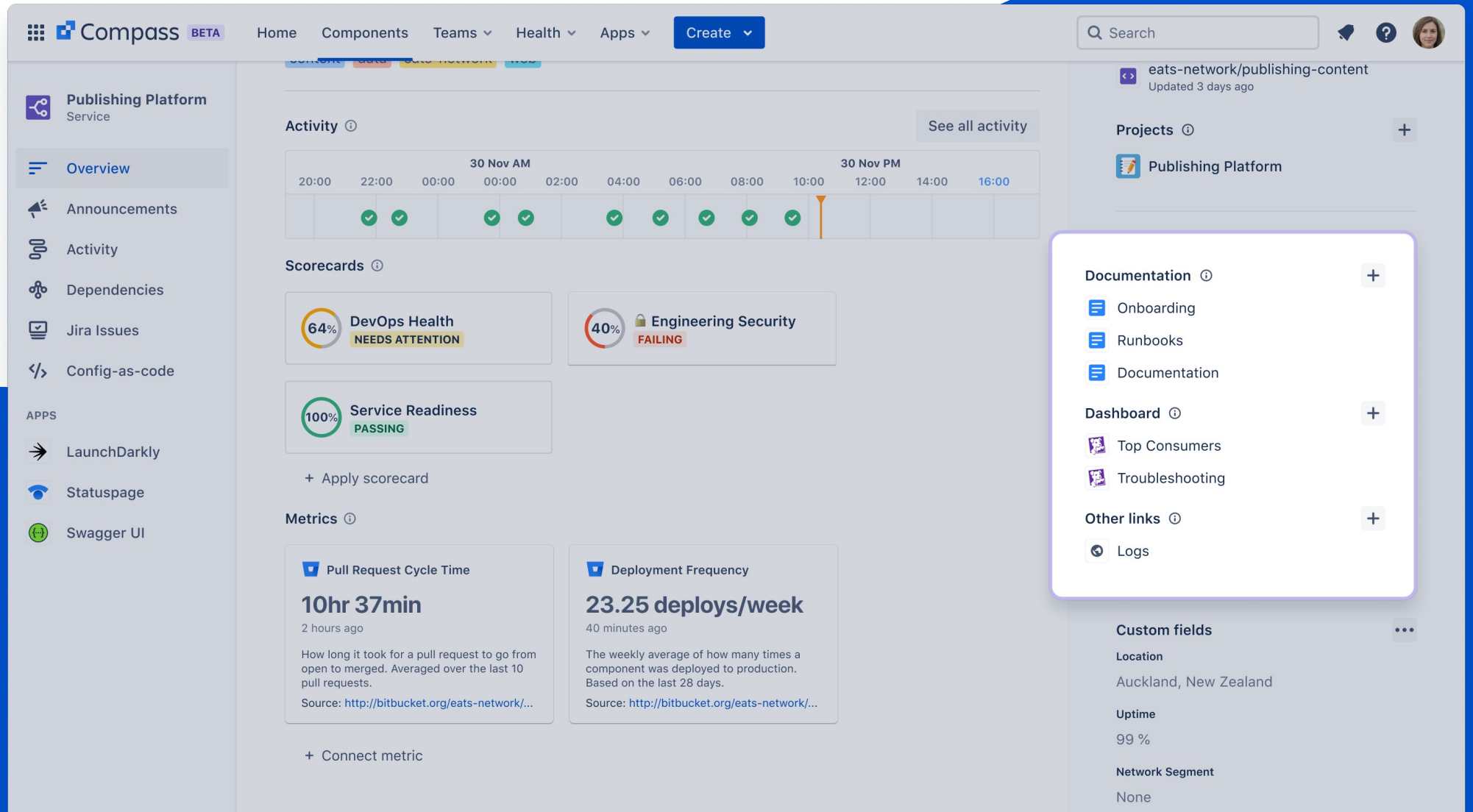
Figure out service owner

Contact service owner

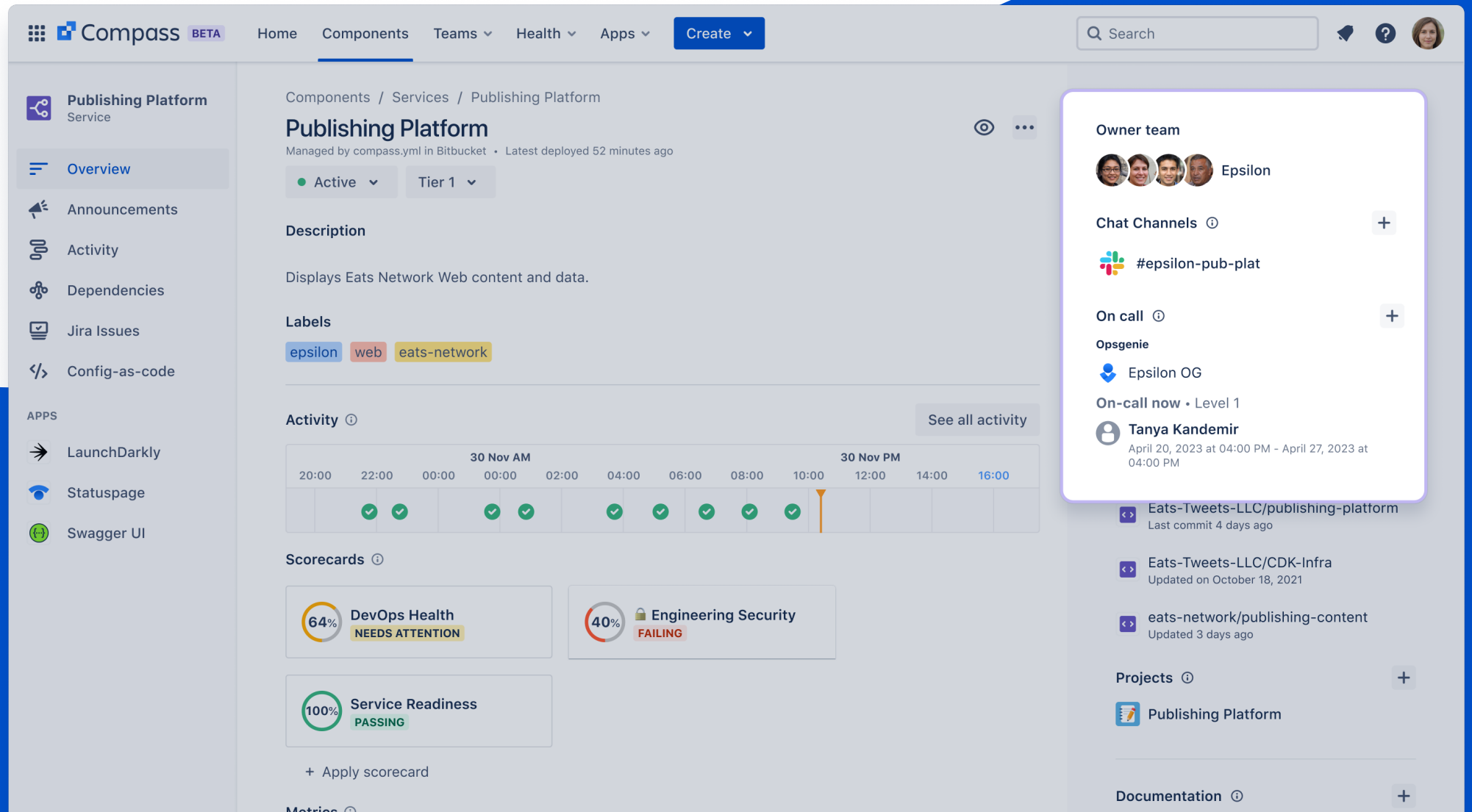
ACTIVITY TIMELINE



DOCUMENTATION



OWNERSHIP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06:00
08:00
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12:00
14:00
16:00
Scorecards
64%
DevOps Health
NEEDS ATTENTION
40%
Engineering Security
FAILING
100%
Service Readiness
PASSING
+ Apply scorecard
Owner team
Epsilon
Chat Channels
#epsilon-pub-plat
On call
Opsgenie
Epsilon OG
On-call now • Level 1
Tanya Kandemir
April 20, 2023 at 04:00 PM - April 27, 2023 at 04:00 PM
Eats-Tweets-LLC/publishing-platform
Last commit 4 days ago
Eats-Tweets-LLC/CDK-Infra
Updated on October 18, 2021
eats-network/publishing-content
Updated 3 days ago
Projects
Publishing Platform
Documentation

Unlock the potential of software teams with Compass

Catalog

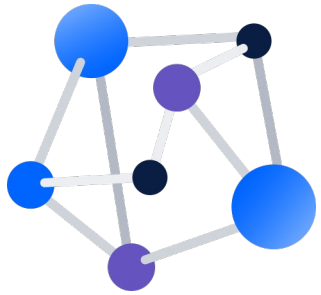
Single pane of glass for all information

DevOps Health

Build quality software at speed

Templates

Self-service access to infrastructure



Ecosystem

Highly extensible with marketplace

Panel discussion

Clemens Reijnen

Global CTO Cloud and DevOps leader, Sogeti-Capgemini

Preeti Kota

Head of Engineering – Compass, Atlassian

Andrew Boyagi

Senior Technical Evangelist, Atlassian

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Thank you!