

AKAMAS

Autonomous Performance Optimization



DynaTaste
October 21st 2021



Agenda & Speakers

- Quick intro to Akamas
- Akamas applied to Banking apps
- Q&A



Giuseppe Nardiello
VP Product Management & Biz Dev

Luca Chiabrera
Head of Customer Success
& Sales Engineering

Today Performance Tuning challenge

Business Goals



Quality of Service



Cost Reduction



Business Agility



Operational Efficiency

Obstacles & Blockers

Architectural complexity & microservices

Faster delivery rates & DevOps

Technology changes and skill shortage

Explosion of configuration parameters

Variance in different component releases

Defaults and best practices not suitable

Akamas AI-driven optimization

AKAMAS

Full-Stack



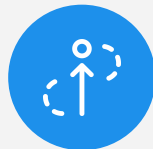
*any application, any
middleware, any
database, any cloud
- any system*

Smart Exploration



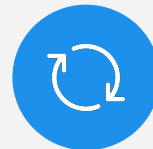
*patented AI quickly
identifying optimal
configurations beyond
any manual tuning*

Goal-oriented



*custom-defined goals
translating SLOs and
business & technical
constraints*

Fully Automated



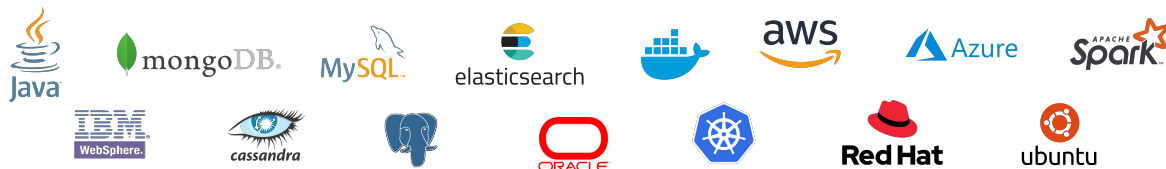
*custom workflows
automating parameter
changes, load testing
& telemetry collection*

Akamas: technology-agnostic & agentless



any application, any middleware, any database, any cloud - any system

Managed
Systems



AKAMAS

Telemetry
Providers



no agents required - any monitoring & load testing tool

Akamas in action (demo)



AKAMAS

← Studies

Study Payment manager - maximize throughput

● Finished Started on 19 Mar 2021, 18:16 Duration 23h 48min Id ▼ ▶ Start ⋮

Maximize payment manager service throughput by tuning JVM parameters.

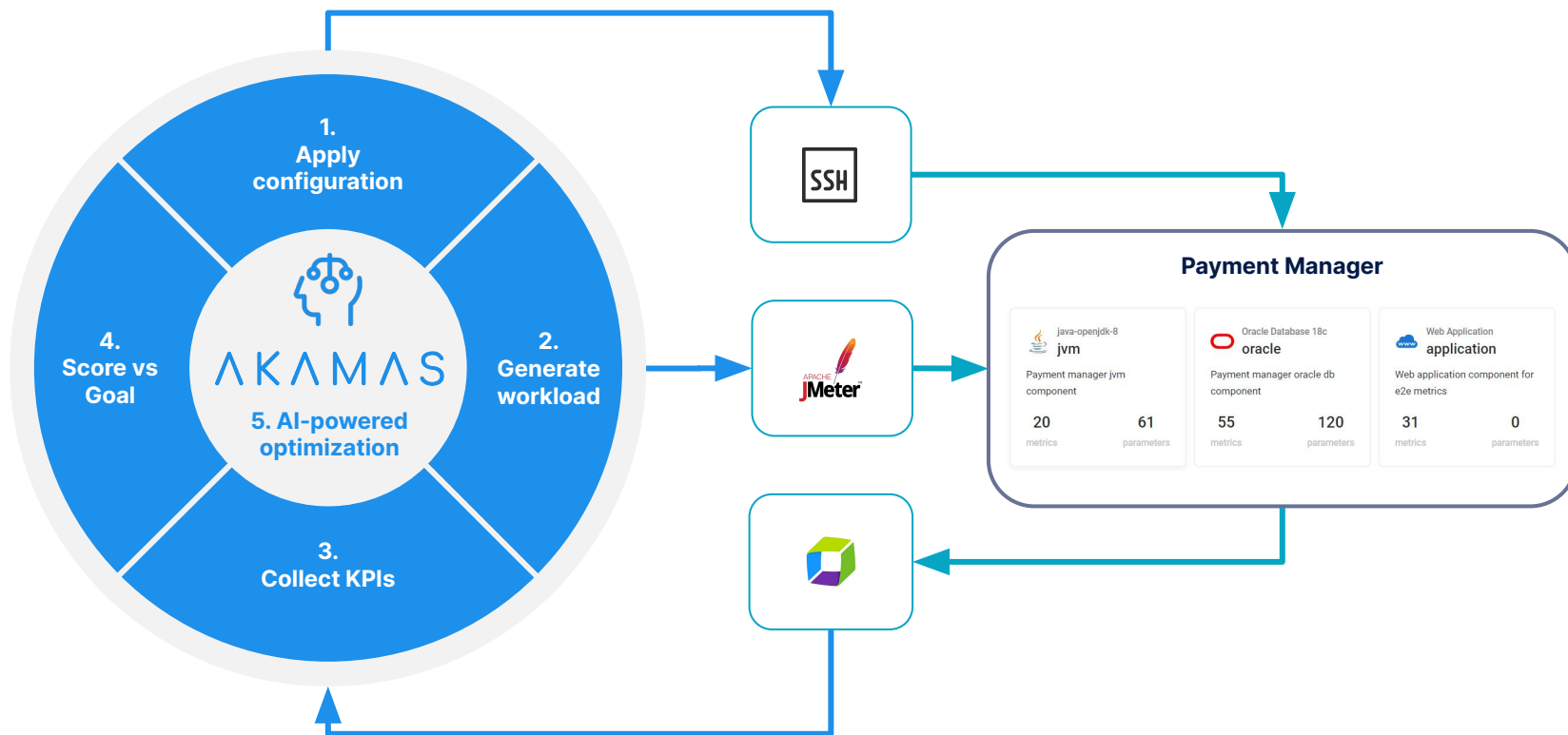
Summary Progress Configuration analysis Analysis Metrics Definition

Best Score ↑ 20.4% 28.88 transactions/s Baseline Best HIDE UNITS	Goal MAXIMIZE application.transactions_throughput Details	Parameters 20 20
---	---	-------------------------------

Optimization goal & constraints:

- *maximize the throughput* of a Payment Manager application
- *ensuring SLOs* on application response time and error rate are met

Akamas demo scenario



The voice of customers and experts



Andreas Grabner

DevOps Activist, Dynatrace

"Tools like Akamas allow us to help our organizations deliver exceptional performance while keeping an eye on resource consumption and costs."



Sravanthi Naga

Performance Engineering Evangelist

"The Akamas team has got one of the best possible supports. Their team is extremely helpful and supportive. I've had great interactions while working with Akamas."



Massimiliano Mazzarolo

Chief Technology Architect, lastminute.com

"Akamas AI allowed us to optimize our container-based Java services, significantly increase reliability under peak loads, and drive towards our cost-saving goals. AI-driven optimization by Akamas created a new competitive advantage and better efficiency in our private cloud. Autonomous performance optimization is real and is here."



Taras Tsugrii

Software Development Engineer, Facebook

"Tools like Akamas get back a free lunch on the table: achieving huge performance enhancement even without changing the code and without having to rely on processor speedups."

Your next steps

1



WHITE PAPER

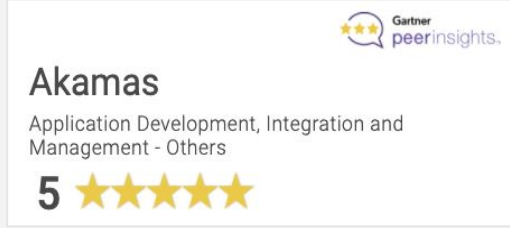
Extracting 1.5x throughput from a payments application

DOWNLOAD

[Banking Case Study](#)

The image shows a white paper cover with a blue background. It features the Akamas logo and a large blue number '1'. The text on the cover includes 'Extracting 1.5x Throughput from a Payments Application' and a 'DOWNLOAD' button. Below the white paper, there is a link for 'Banking Case Study'.

2



Akamas

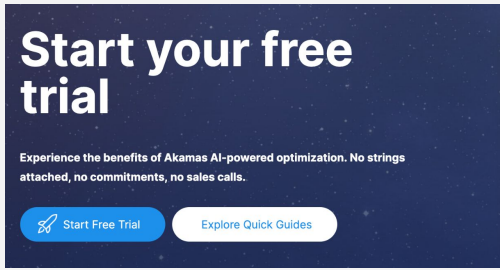
Application Development, Integration and Management - Others

5 ★★★★★

[Gartner Peer Insights](#)

The image shows a Gartner Peer Insights badge. It features the Akamas logo, the text 'Akamas Application Development, Integration and Management - Others', and a 5-star rating. Below the badge, there is a link for 'Gartner Peer Insights'.

3



Start your free trial

Experience the benefits of Akamas AI-powered optimization. No strings attached, no commitments, no sales calls.

Start Free Trial Explore Quick Guides

[Free Trial](#)

The image shows a dark blue banner with white text. It features the text 'Start your free trial' and 'Experience the benefits of Akamas AI-powered optimization. No strings attached, no commitments, no sales calls.' Below the banner, there are two buttons: 'Start Free Trial' and 'Explore Quick Guides'. Below the buttons, there is a link for 'Free Trial'.

Contacts

Italy HQ

Via Schiaffino 11
Milan, 20158
+39-02-4951-7001

USA East

211 Congress Street
Boston, MA 02110
+1-617-936-0212

USA West

12130 Millennium Drive
Los Angeles, CA 90094
+1-323-524-0524

Singapore

5 Temasek Blvd
Singapore 038985

LinkedIn

[@akamaslabs](#)

Twitter

[@AkamasLabs](#)

Email

info@akamas.io

Website

akamas.io

AKAMAS

Backup Slides



AKAMAS

Enables a new performance tuning process

