

CASC SCORING BY APIMETRICS

THE CHALLENGE OF API QUALITY

There are lots of metrics you can apply to the performance of an API including latency, availability and pass rates. However, how do you know they are measured in the same way? Are they applied in the same way?

APImetrics has been specializing in only API performance and how it applies to run-time governance and life-cycle management since 2016 and is the leading provider of data centric performance analysis for the eco-system.

WHAT IS CASC?

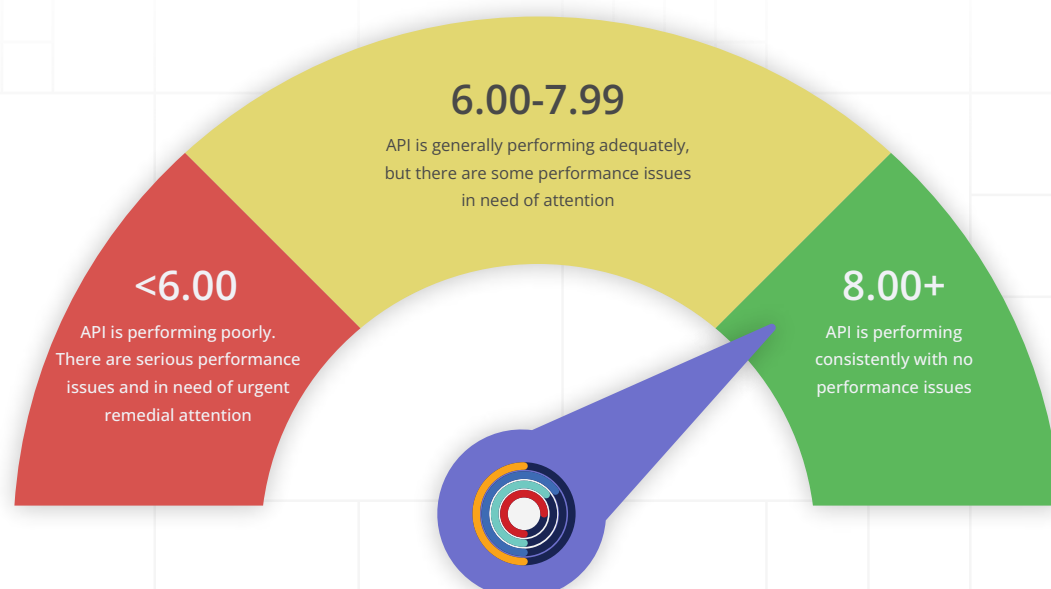
CASC stands for **Cloud API Service Consistency** – APImetrics realized early on that there are lots of ways to measure API performance – availability, uptime, pass rate, latency but all of these go into the quality of your run-time solution, including how it works for the end user from where the application is based.

We took these, and taking advantage of our database – the largest in the world of real API call performance to identify the issues that really impacted API users. Key to the experience was consistency. An API can be slow but you can build for that. You can't build for inconsistent service and that's what the score detects and warns you about.

HOW DOES IT WORK?

APImetrics analyzes performance by location, looking at pass conditions being met, the consistency of performance over time from the locations we make the calls from and then we blend that into a score out of 10.

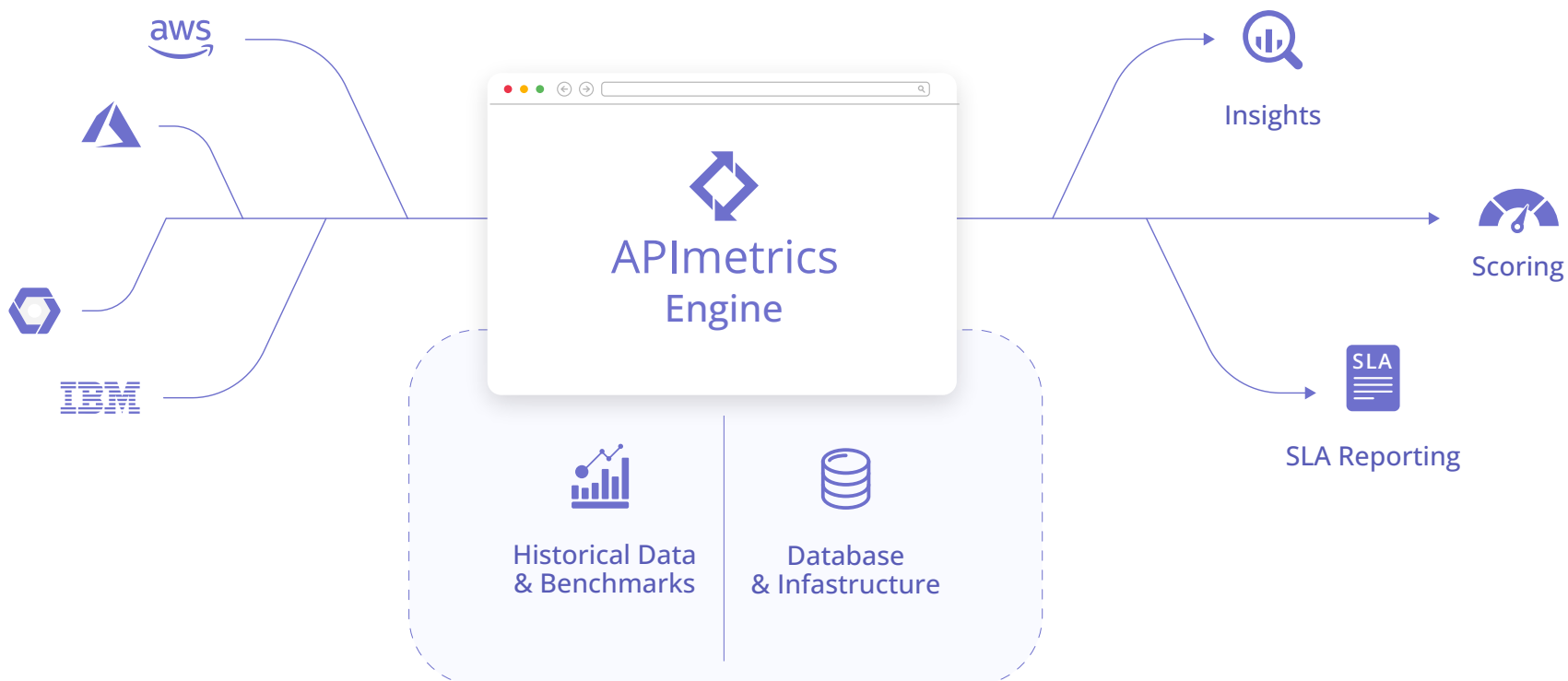
The closer to 10, the closer to perfect.



What does it mean?

EXAMPLE OF HOW IT WORKS

Our client, a major IT solution provider, noticed that the CASC score for one of their APIs had dropped in relation to other APIs but it maintained a 100% pass-rate and an acceptable latency. However, when we drilled into the performance, we were able to see that the latency had changed relative to previous performance and this indicated something was not working correctly in their load balancer infrastructure enabling them to quickly identify the issue and implement a fix.



THE COST OF POOR PERFORMANCE

Through deep analysis of our clients performance we have been able to identify the cost of poorly performing APIs to your enterprise.

CASC Score	Monthly Incidents/Endpoint	Overhead Annually (Avg.)
9+	1-4 Typically Minor	Up to 400 hrs/yr
8+	2-8 Minor, but Occasionally Serious	Up to 800 hrs/yr
7+	4-12 Needs Attention	Up to 1,200 hrs/yr
<6	12+ Unacceptable Performance	2,000+ hrs/yr

Learn More About CASC Scoring At: <https://docs.apimetrics.io/docs/what-is-the-casc-score>

APImetrics unique approach to logging and data storage dramatically reduces the time taken to identify performance changes, what the impact on end users is, and how to fix them.

FEATURES



CORE FEATURES

Security

- ▶ Integrated OAuth handler inc. JWT support
- ▶ FIPS140 compliant HSM & MTLS support
- ▶ Automated token refresh

Scheduler

- ▶ Run API calls at frequencies from 1 per minute
- ▶ 85 different data centers across AWS, Azure, Google and IBM Clouds

Data Storage

- ▶ All calls, meta data & returned content stored as long as you're a customer

Importer

- ▶ Postman Newman runner
- ▶ OAI importer
- ▶ cURL importer

Call Types

- ▶ All REST & SOAP APIs supported
- ▶ Individual or multi-step API calls with conditions & assertions set at a call or project level

Network Breakdown

- ▶ All TCP calls steps logged and stored



REPORTING

Quality Scoring

- ▶ Cloud API Service Consistency scoring (CASC)

Insights

- ▶ AI generated performance insights including call outlier detection

Alerting

- ▶ Webhook integration to Teams, Slack and other critical DevOps workflow tools
- ▶ Email alerts

API Access

- ▶ Full API access to all results and data sets

Statistical Analysis

- ▶ Graphing, heatmaps and regional performance data sets

Reporting

- ▶ Custom report builder including groups and public dashboard options



ORGANIZATION AND PROJECT MANAGEMENT

Collection Management

- ▶ Collections arranged by projects with full feature ROLE based management of projects
- ▶ SSO/SAML support

APImetrics Has You Covered

Many of the world's largest banking groups and financial services providers use APImetrics to ensure their Open Banking solutions are functional and compliant to local regulatory frameworks.

APImetrics patented technology allows clients to produce regulator-ready reports for financial services providers in the UK, Europe with PSD2, and around the world.




Our API-native runtime monitoring platform integrates with many leading developer operations suites to provide API-centric views of:

- ▶ Real-time API performance from more than 80 locations on six continents and four clouds
- ▶ Fully integrated security monitoring designed and built for the financial services industry
- ▶ Machine learning-based analysis driven by a database of more than a billion real API calls
- ▶ Integrated reporting, analysis, and alerting
- ▶ 360-degree visibility and competitor comparisons with CASC (Cloud API Service Consistency) scoring

Contact Us For A Consultation Today

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