THE ART OF CHAOS ENGINEERING

FAILURE AT NETFLIX VELOCITY





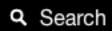




Browse ▼

Kids







Continue Watching for Lexi









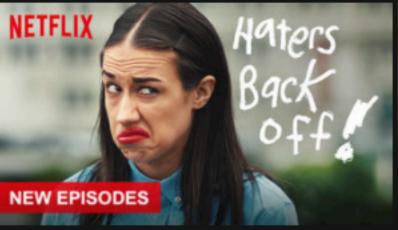




Popular on Netflix













Trending Now













NETFLIX ORIGINALS















NETFLIX ORIGINAL

STRANGER THINGS

95% Match 2016 1 Season **4K Ultra HD 5.1**

When a young boy vanishes, a small town uncovers a mystery involving secret experiments, terrifying supernatural forces and one strange little girl.

Winona Ryder, David Harbour, Matthew Modine TV Shows, TV Sci-Fi & Fantasy, Teen TV Shows



Popular on Netflix













Recently Watched

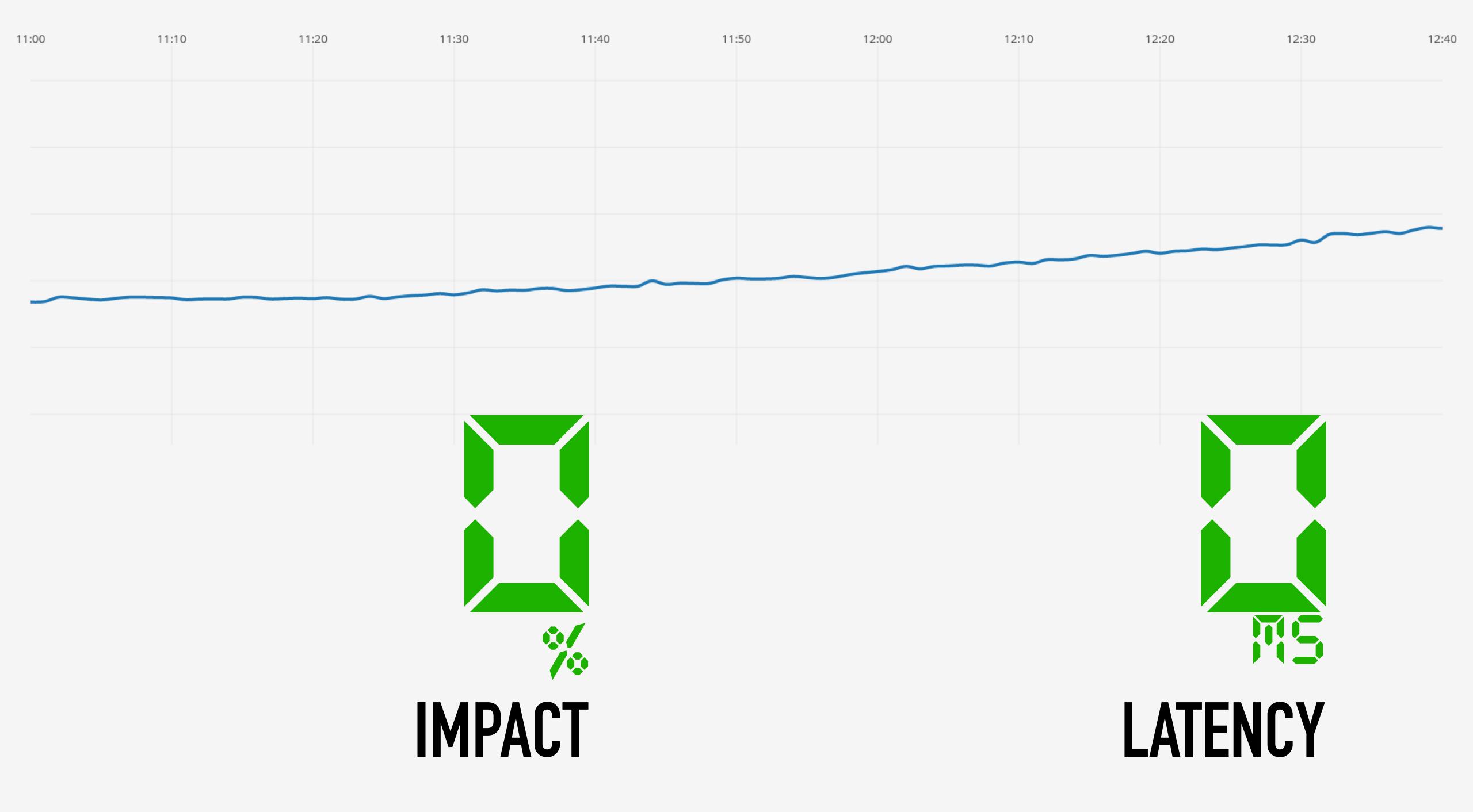


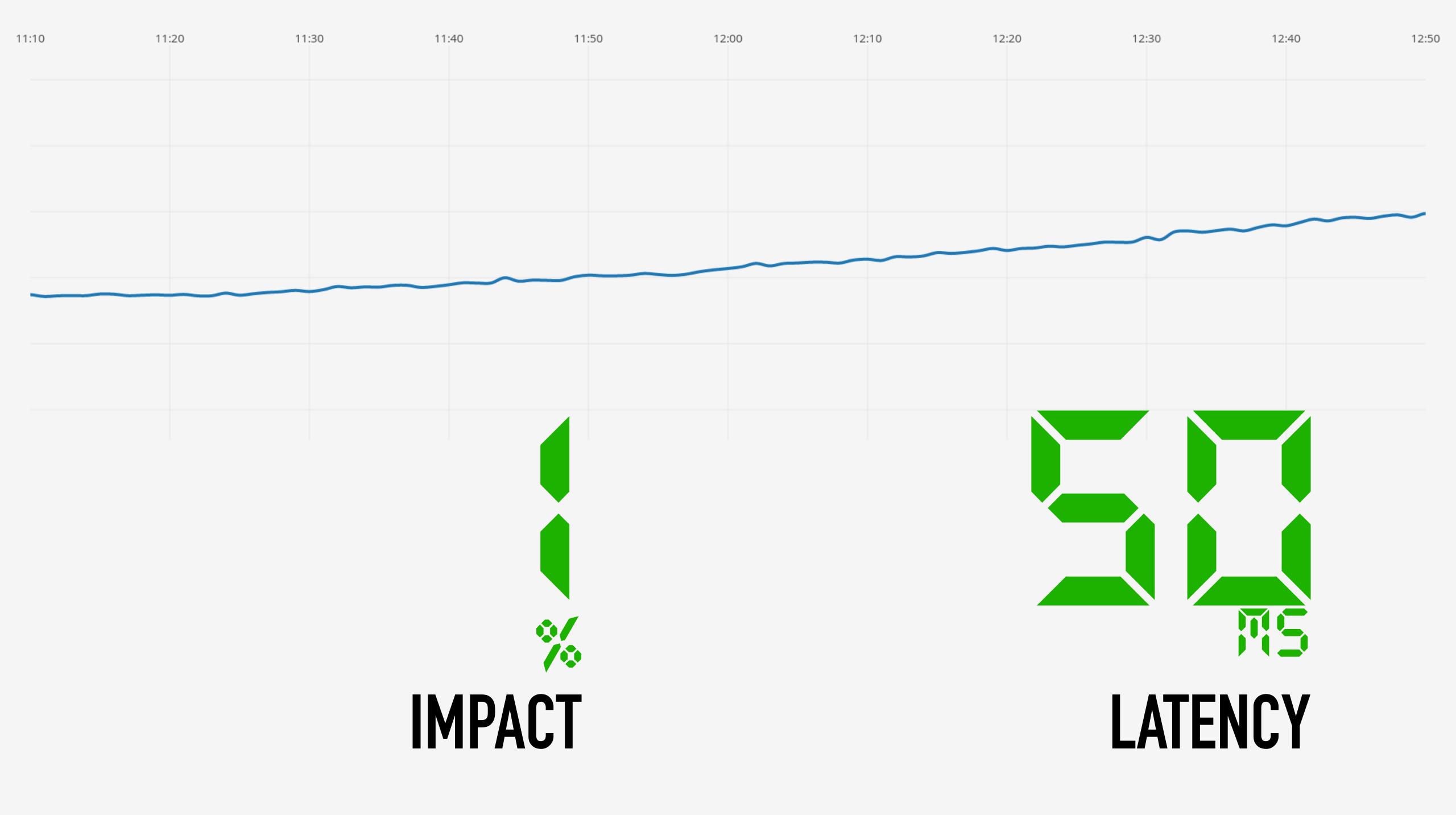


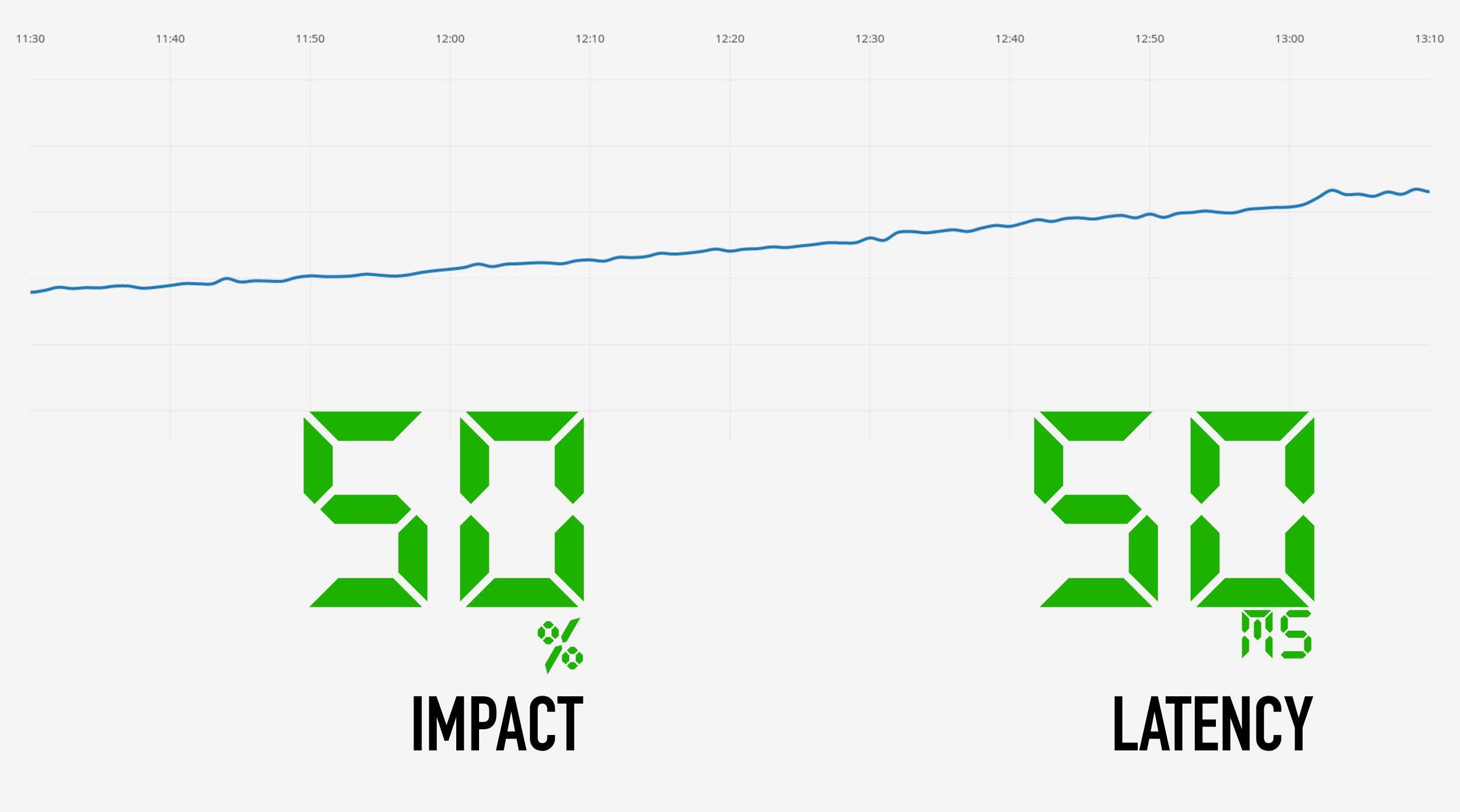


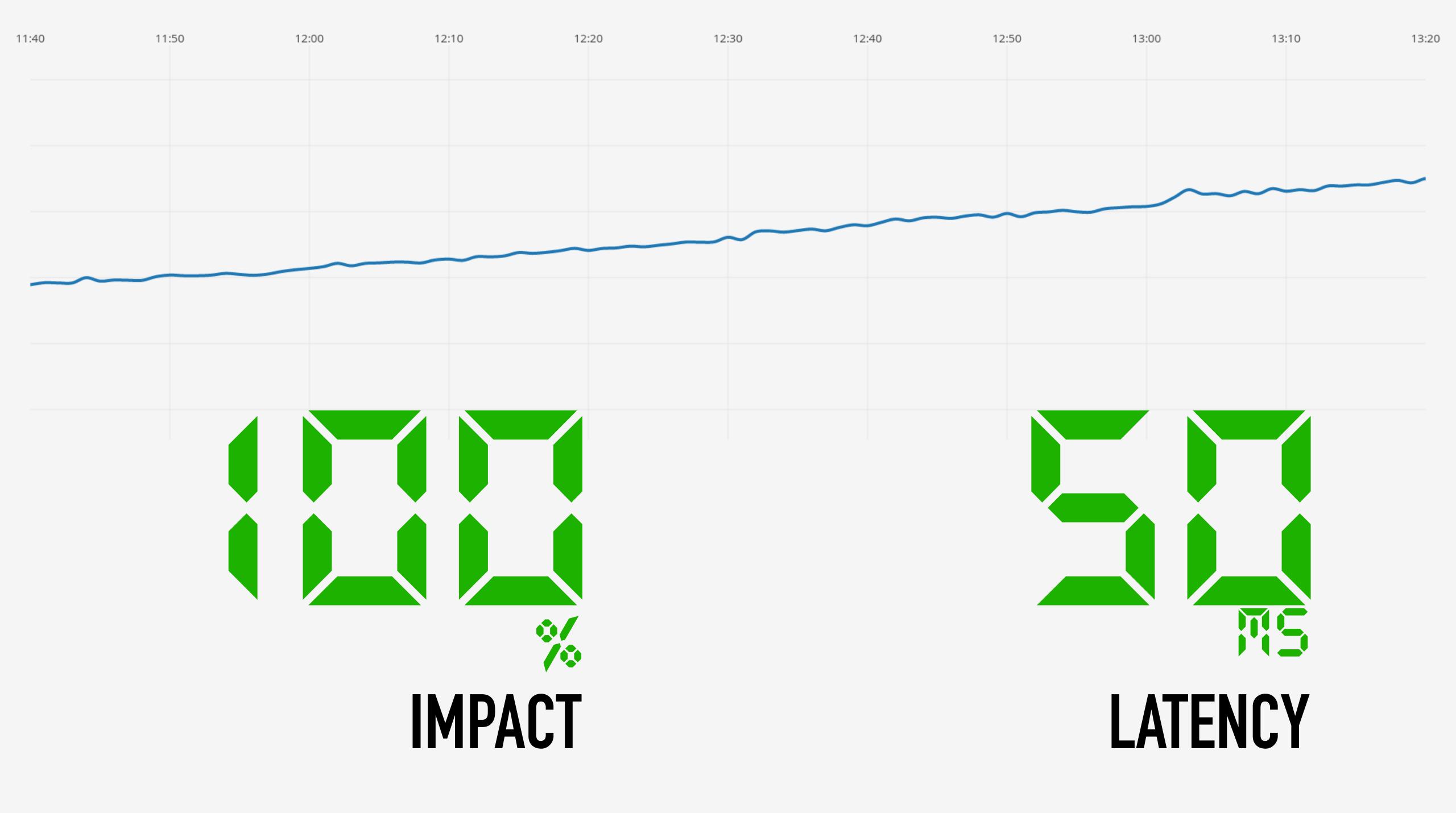


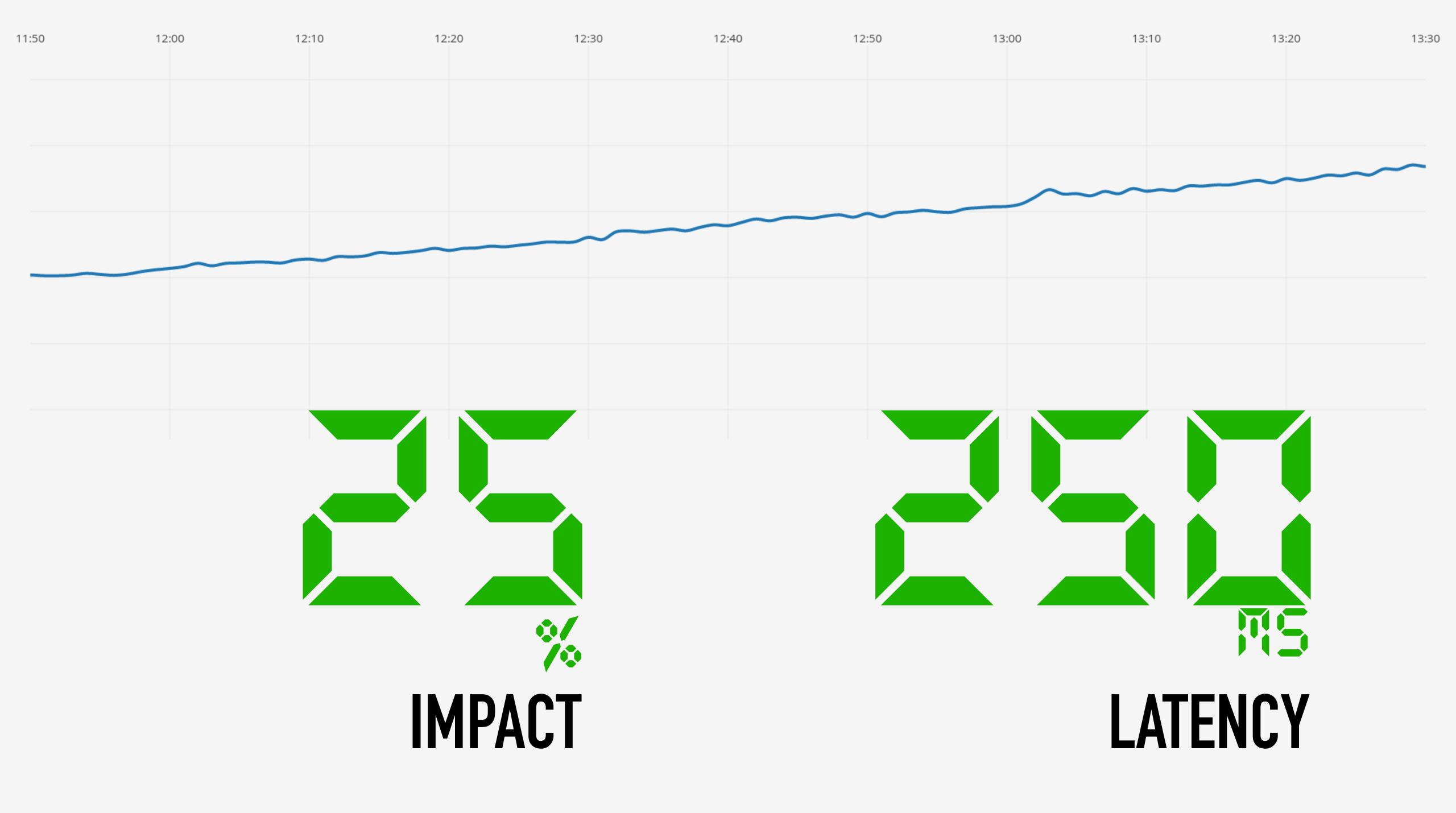


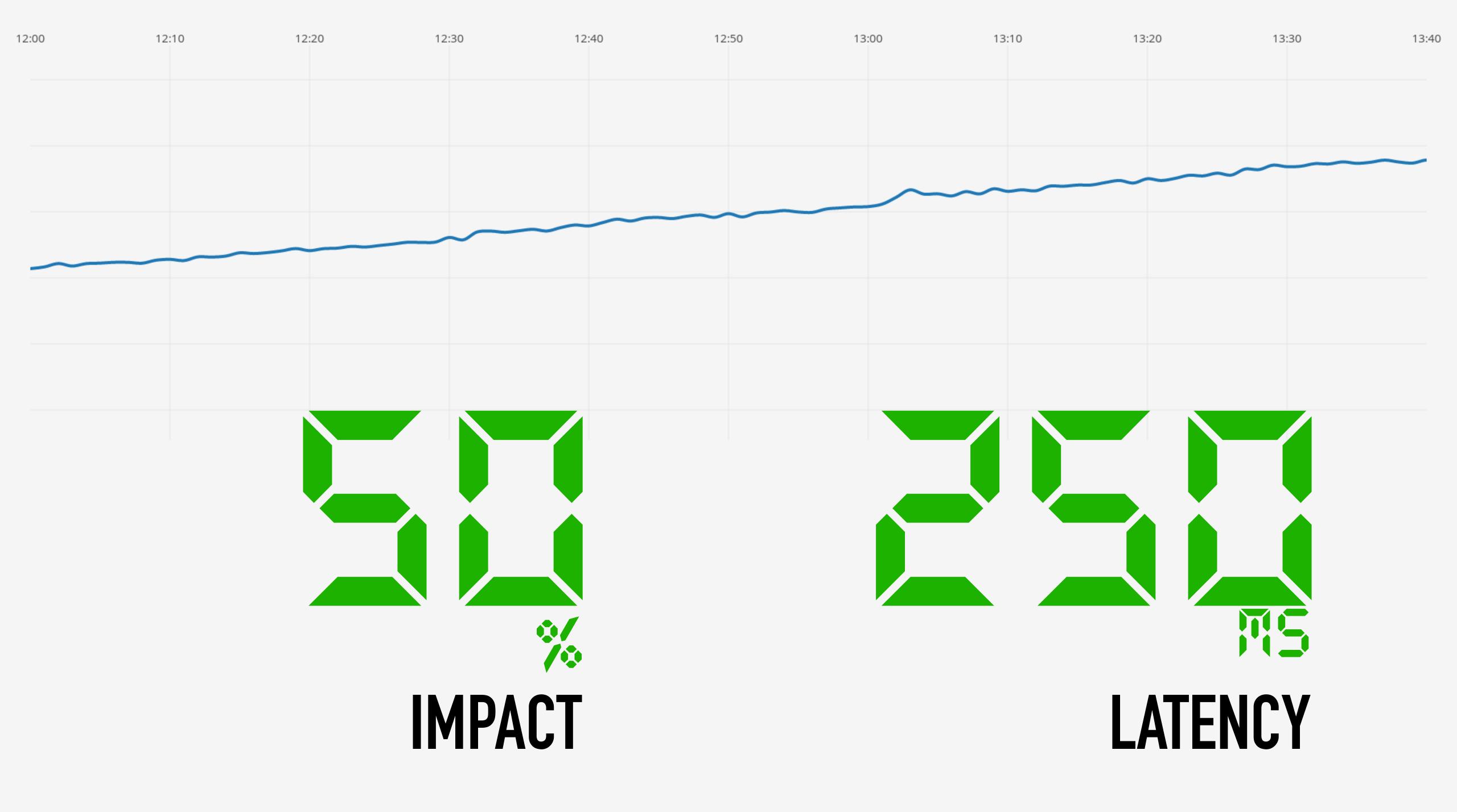


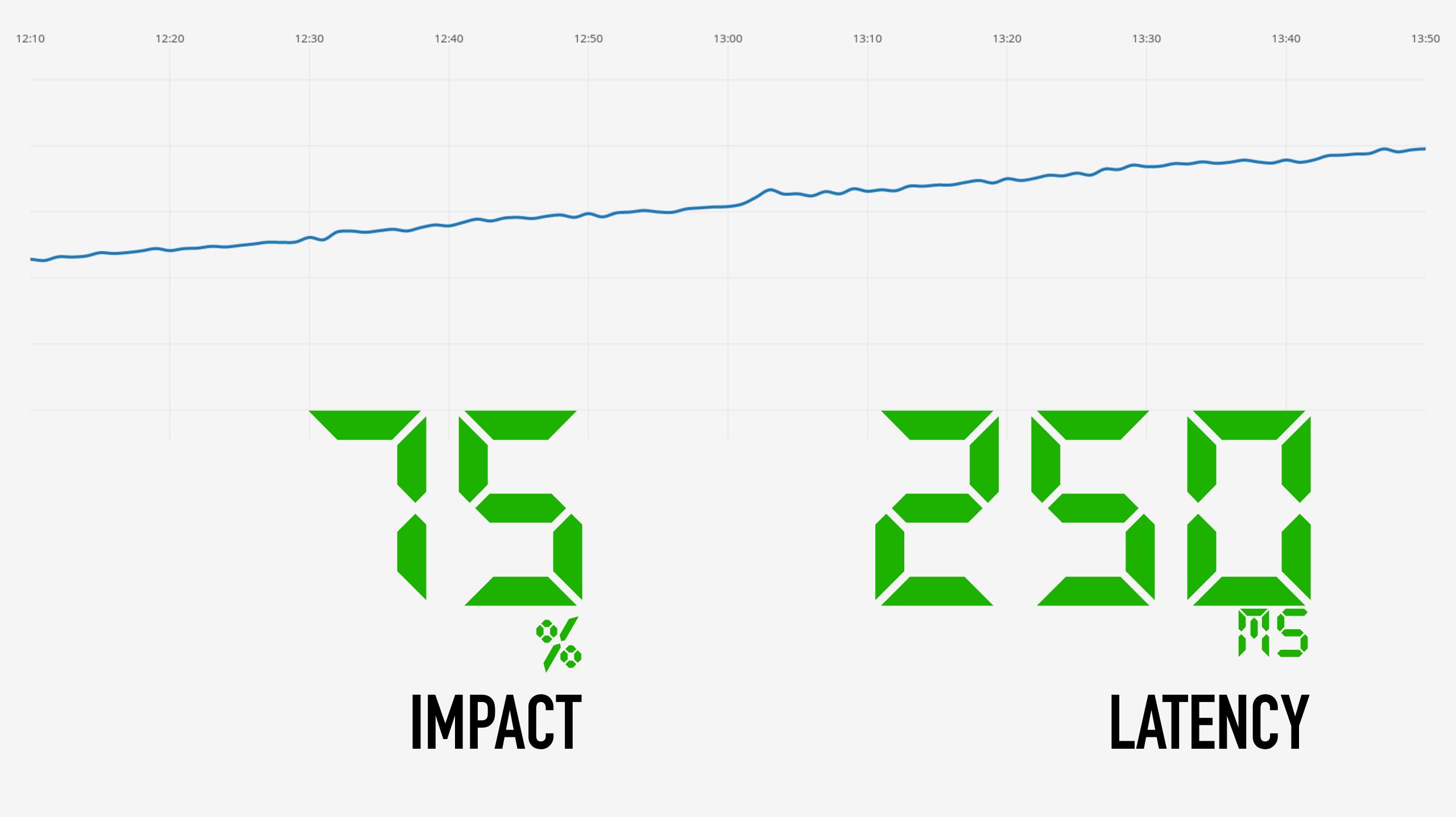


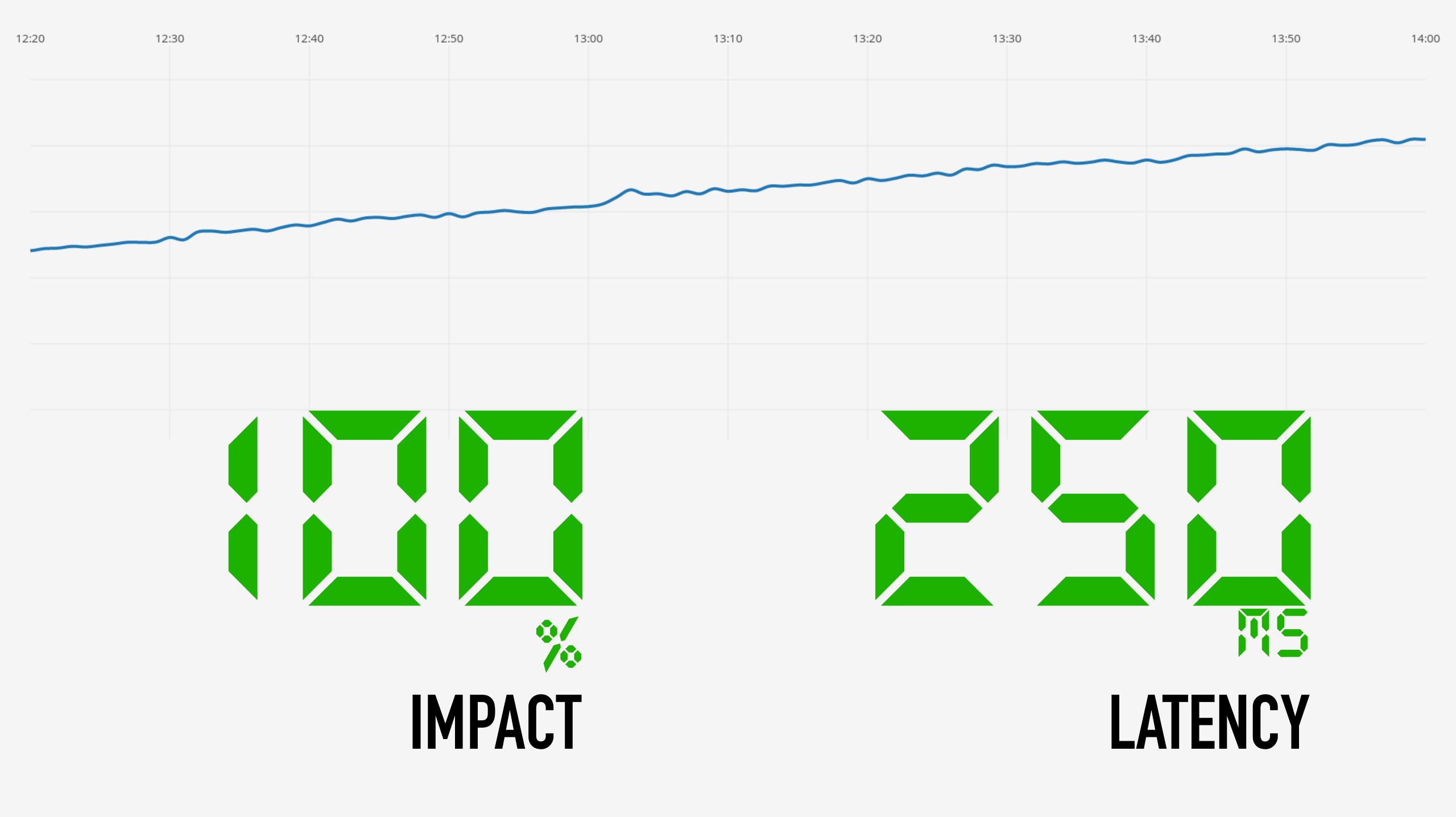


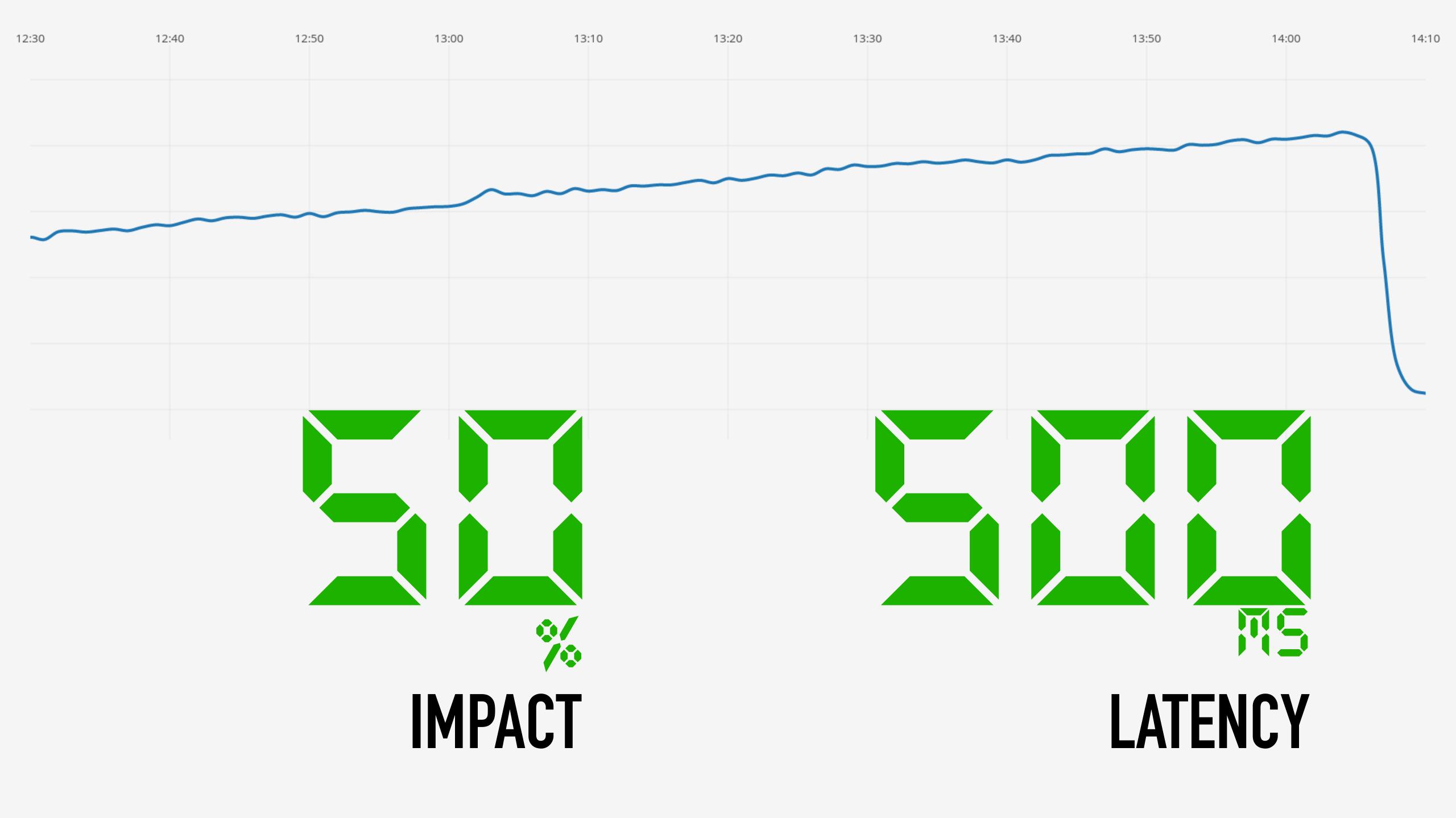


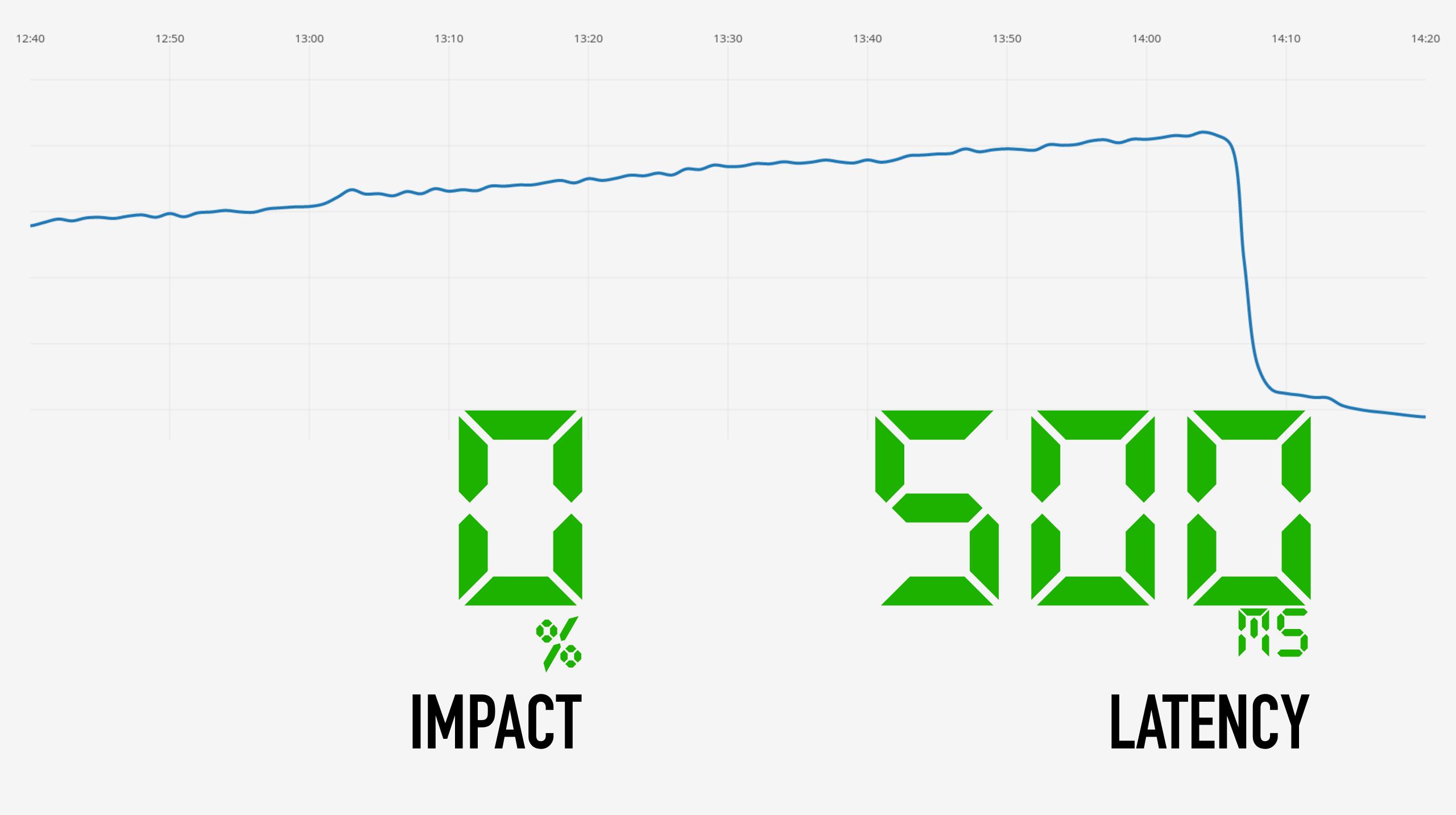


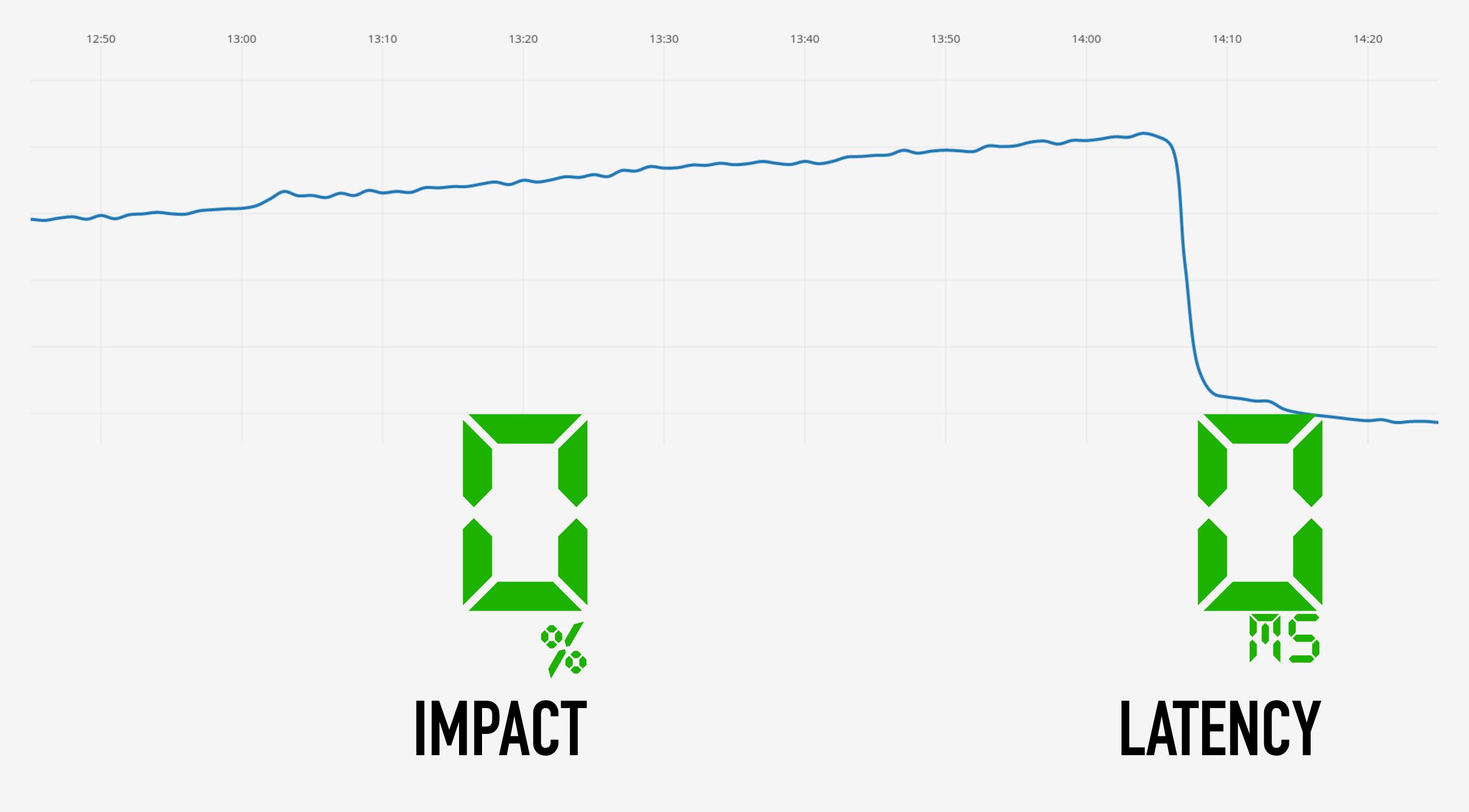


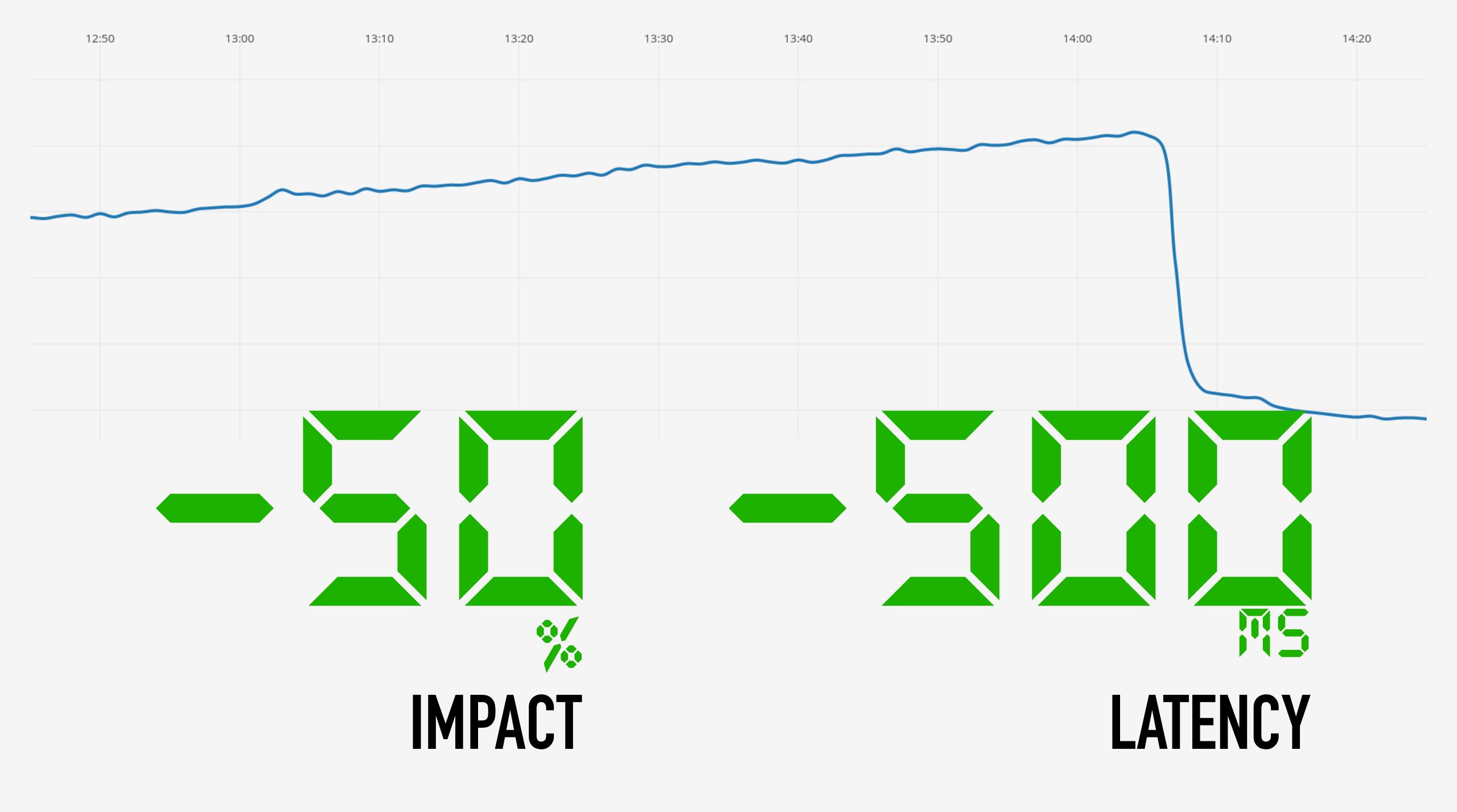


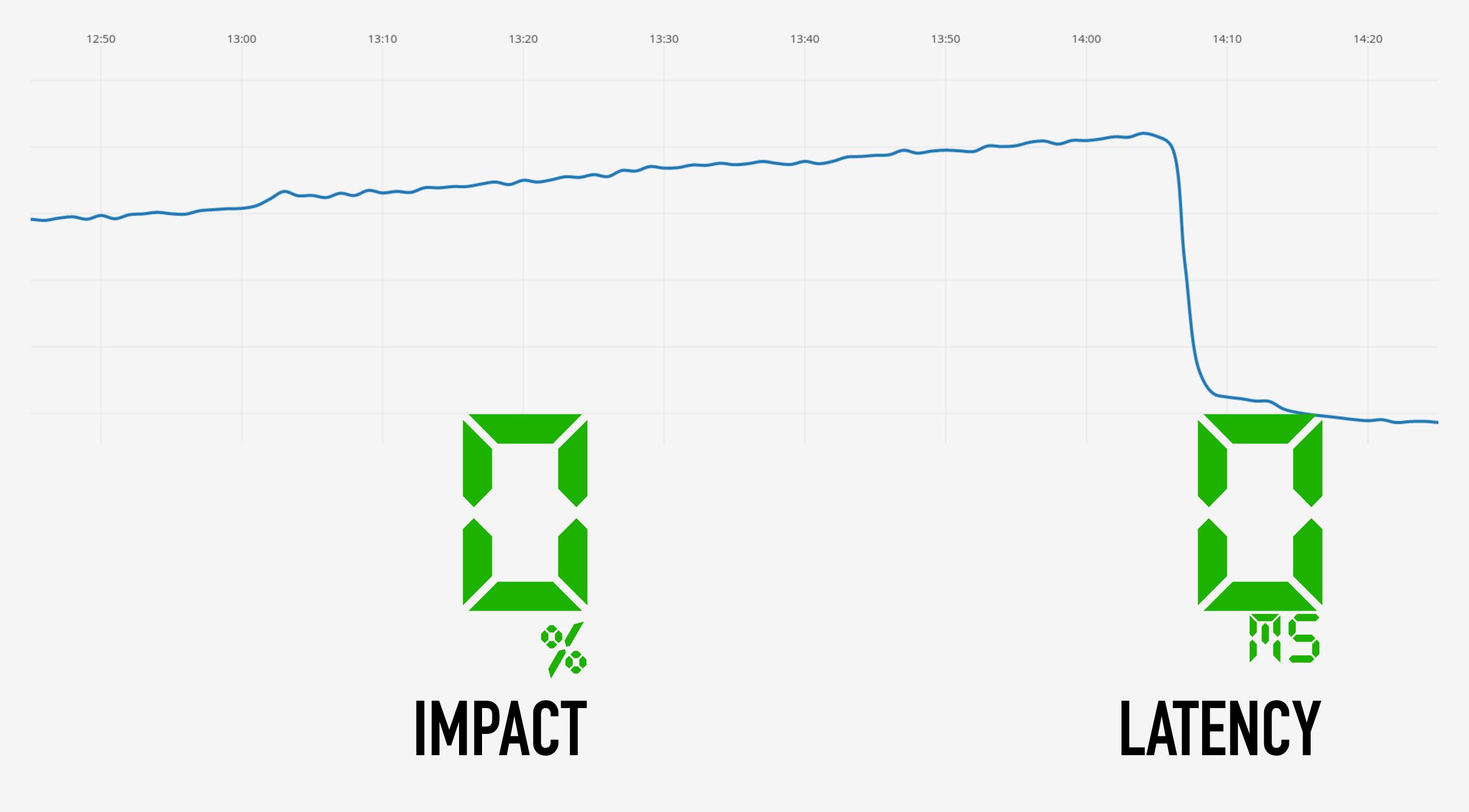












HYPOTHESIS



PROVEN

LEARNINGS

Application Behavior

Blast Radius

Consistency

You already know all that

REMEMBER THE



GRAY AREA?

{Systems People}

don't react predictably when exposed

to non-typical behavior.

INCIDENT MANAGEMENT

WHAT'S THE BIG DEAL? FIX IT AND MOVE ON!

Expensive

Expensive

Stressful

Expensive

Stressful

Public

'Luke Cage' overload? Netflix viewers report outage amid binge of new show

Javier E. David | @TeflonGeek

Published 3:54 PM ET Sat, 1 Oct 2016 | Updated 2:40 PM ET Sun, 2 Oct 2016





Jim Spellman | Getty Images

Netflix is back up after more than 2-hour outage

The streaming service crashed as 'Luke Cage' premiered — and the Internet acted accordingly

NICK ROMANO @NICKAROMANO





Got some heroes at #Netflix fixing things. They're all over it. Meantime, keep this in mind. #LukeCage







This is Washington. There's always a leak. All 13 episodes will launch February 27.

3:01 PM - 11 Feb 2015





CLOUD COMPUTING SUBNET

An independent Cloud Computing community View more

Home > Infrastructure Management



IT INFRASTRUCTURE STRATEGY

By Chris Churchey, Contributor, Network World | MAR 8, 2017 10:20 AM PT

Opinions expressed by ICN authors are their own.

Why Netflix didn't sink when Amazon S3 went down

When a typo caused an outage in part of Amazon Simple Storage Service's (S3) cloud infrastructure on February 28, many of their customers' websites went down but Netflix survived unblemished.





















Hey, just wondering why 10% of you chose to watch a giant rock cover a giant ball of gas when I HAVE ALWAYS BEEN THERE FOR YOU.

6:25 PM - 21 Aug 2017





Tweet your reply



Netflix US @ @netflix · Aug 21

Replying to @netflix

but really, there was a 10% drop in plays during the eclipse today. Well played, Moon

WHAT CAUSES INCIDENTS?

CHANGE

THINGS WE CAN'T CONTROL

THINGS WE DON'T CONTROL

THINGS WE CAN CONTROL

THAT ALL SOUNDS REALLLLY NICE

HOW?

INCIDENT MANAGEMENT GOALS

Short

Unique

Never Forget



FOUR PARTS

ENGAGEMENT

2 COMMUNICATIONS

3 COORDINATION

4 MEMORIALIZATION

TECHNIQUES

SPECIALISTS

BEFORE INCIDENTS

Education

Best Practices

Drilling

DURING INCIDENTS

Incident Leader

AFTER INCIDENTS

Memorialization
Research Coordination
Incident Review

NETFLIX INCIDENTS MANGERS

How We Think

WE EXPECT

Failure

Incidents

Empathy

INCIDENT MANAGEMENT CONTEXT

People

"Human operators have dual roles:

producers of & defenders against failure"

— Richard I Cook

INCIDENT MANAGEMENT CONTEXT

Failure

Constant Failures

Degraded is Normal

Any Change is a Gamble

INCIDENT MANAGEMENT CONTEXT

Biases

Hindsight

Single Attribution

Anchoring

MEASURING SUCCESS

Short & Less Impact

More Incidents

Better Team Engagement

Dave Hahn — Senior SRE, Netflix

dhahn@netflix.com

@relix42

THE ART OF CHAOS ENGINEERING

FAILURE AT NETFLIX VELOCITY