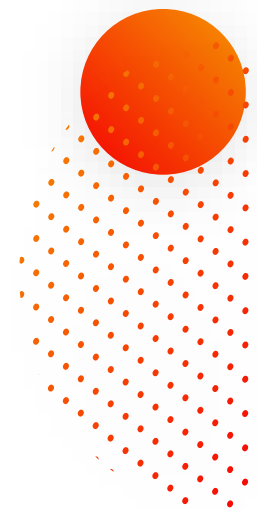




# Virto Commerce Performance Tests

Internal performance test

2022-Q1



# AGENDA

**01**

Overview

**02**

Configuration

**03**

Results

# Overview

## Quality and Continuously Improvements

Load environment was designed:

1. Control Performance Metrics for every / stable releases
2. Check scalability
3. Help for performance investigation in client solution

**Note:** If performance is degraded by more than 10%, we revert a release back.

# Configuration



## Environment

- Virto Cloud
- 2 Instances
- Linux
- .NET6
- CPU: 0.5 CORE
- RAM: 512 MB
- MS SQL
- Elastic Search
- Redis
- Azure Blob Storage

## Virto Commerce

- Platform
- Modules from Commerce Bundle
- Experience API
- No Frontend
- Medium Configuration

## Initial Data

- Generic catalog data
- 15 products in cart
- 1 store

## Test Scenarios

- Complete order flow
- Count of clients are growing (+5 user every minute)
- Duration: 30 minutes
- Direct call to API

# Results

Time in milliseconds

## API

- Add product to cart
- Create order
- Search 50 products
- **Total (Avg)**

## 2021-Q4

- 553
- 1523
- 356
- **413**

## 2022-Q1

- 174
- 667
- 105
- 141

## 2022-Q2

# References



## Test Data and Results

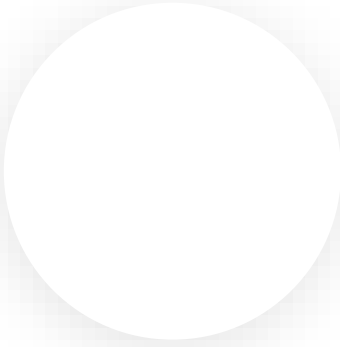
[https://github.com/VirtoCommerce/vc-benchmark/blob/master/jmeter/xAPI/xApi\\_load\\_test\\_5\\_60\\_1800.jmx](https://github.com/VirtoCommerce/vc-benchmark/blob/master/jmeter/xAPI/xApi_load_test_5_60_1800.jmx)

## Modules

<https://raw.githubusercontent.com/VirtoCommerce/vc-modules/master/bundles/v1/package.json>

## Medium Configuration

<https://docs.virtocommerce.org/fundamentals/scalability/#m-medium>



# Thank you!



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