Folio Performance Test Report

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1、Goal

In order to verify the performance of folio system, select the book lending interface, compare the input and pressure test results of one application server and two application servers.

2、Environment

Test Tool

Name	Version	Description
Jmeter	5.0	Performance test tool

Deployment information: 2 application servers, 1 database server
Network: LAN 100m
Server information:
OS: ubuntu18.04 64位
CPU: 8 cores
Memory: 16G
Database:pgsql 12.2

3、 Test plan

Detect the maximum performance of the system under the environment of single application server and two clusters respectively, and compare the pressure test results.

4、 Test api

Name	URL	Method
Book checkout	/circulation/check-out-by-barcode	Post

5、 Result

Test plan	Concurrent number	Server number	Total request number	Requests handled persecond	90%Line(ms)	95%Line(ms)	Median (ms)	Error %
Nginx + OKAPI Stand alone	20	2	400	11.7/s	3307	3386	1316	0.25%
OKAPI Cluster		2	444	7.1/s	5293	5347	2139	0.23%
Single		1	400	6.0/s	3717	3827	3259	0.02%