

General performance test tool — — TrustBench Polar Bear

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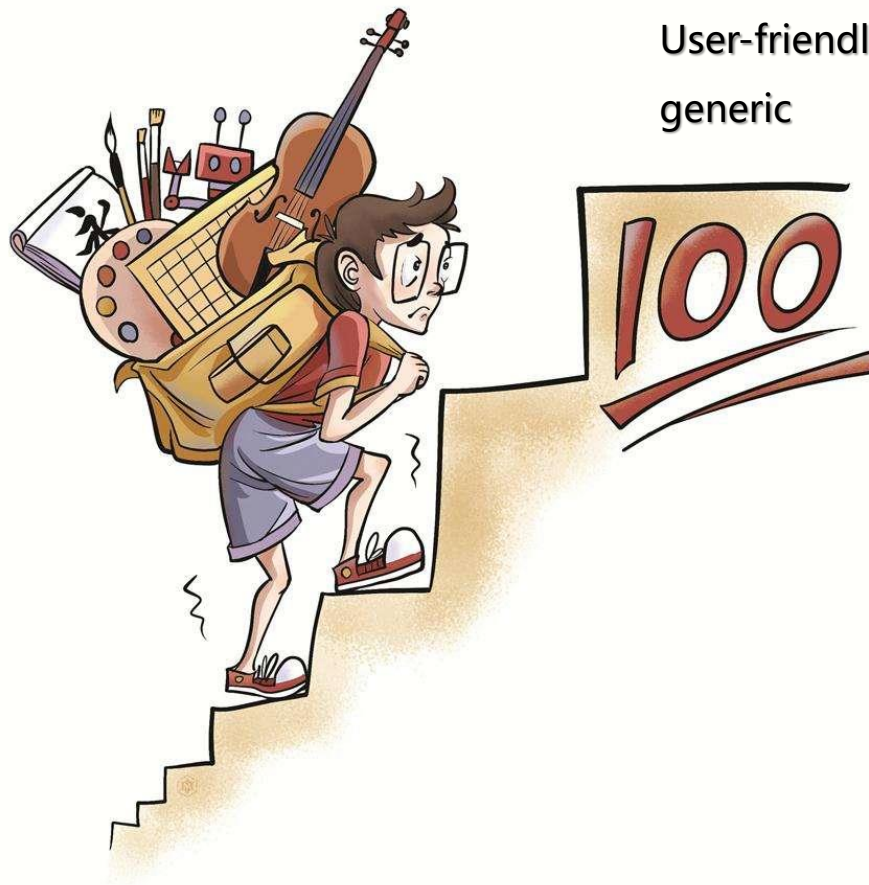


Agenda

- 1. Background**
- 2. Goal**
- 3. Design & Architecture**
- 4. Usage & Performance**
- 5. Workload & Scenario test**

Background

Accuracy
Scalable
User-friendly
generic



Goal

Accuracy, Scalable, User-friendly, Generic



Design

1. Three-part structure

transaction generation — transaction process — report

Accuracy

2. Distributed test process

Scalable

3. Configurable interface

visualization & configurable

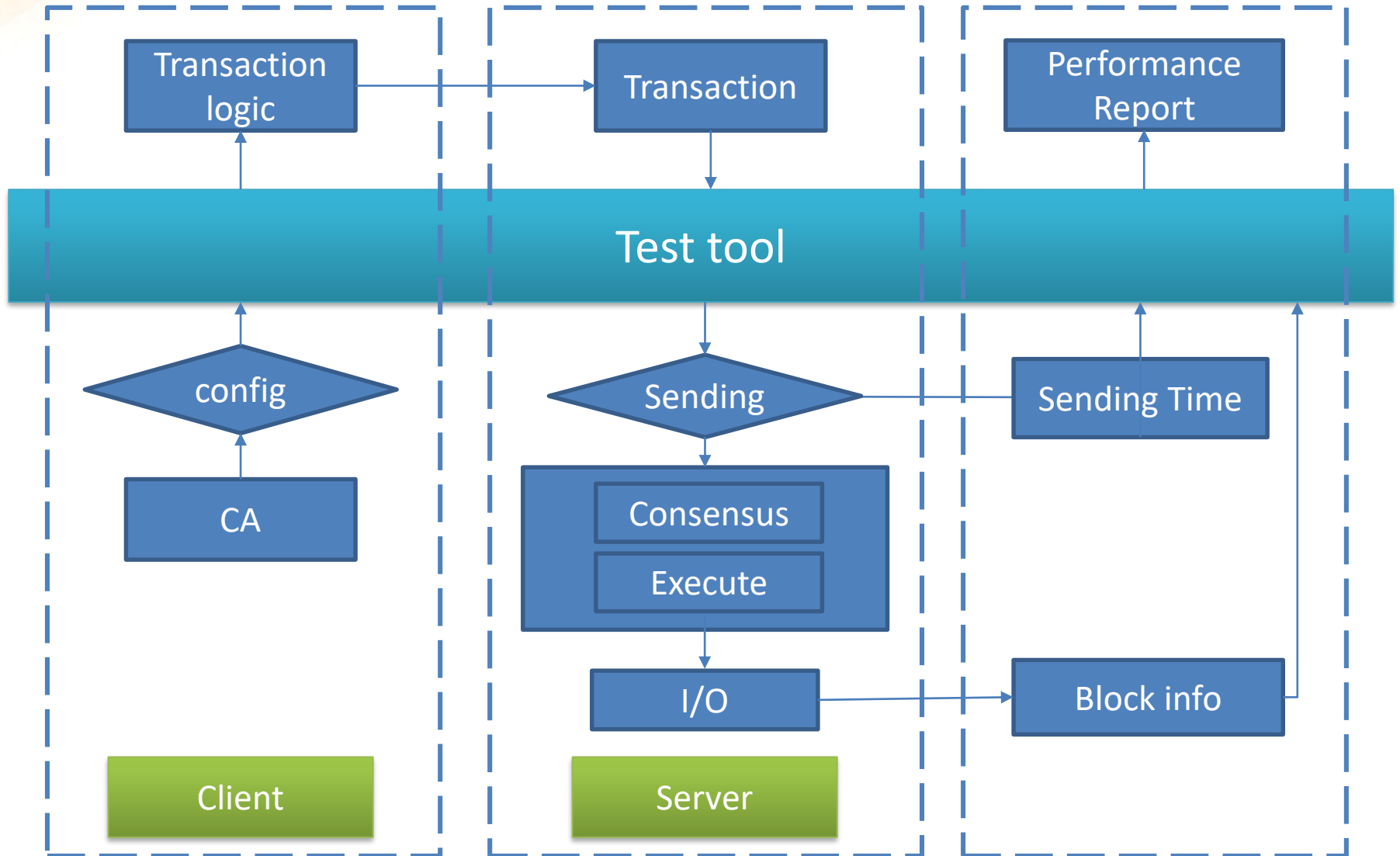
Generic

User-friendly

4. Postprocessing report

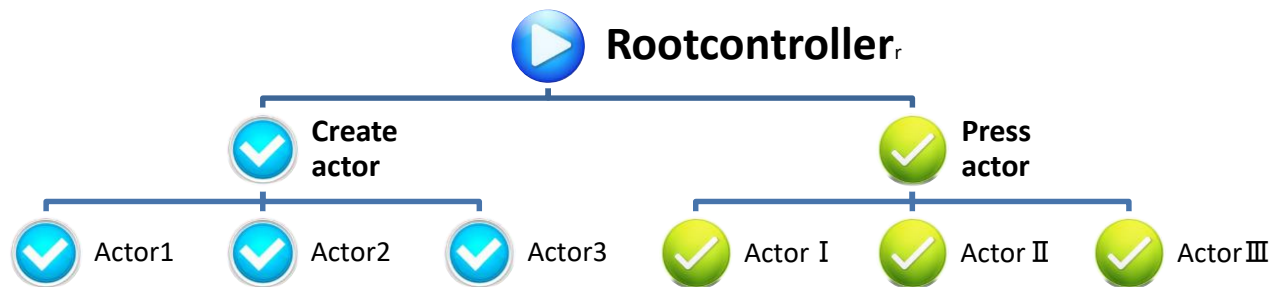
Accuracy

Architecture



Scalability

1. Actor Model



2. Configurable Interface

- **Stronger applicability**
- **Stronger generality**
- **Flexible enough**

Usage

Configuration + Click

No need secondary development

No need system integration

Separate testing from developing



Usage-Interface



Existing buttons

1. Monitor
2. Configure
3. Report

Coming
English interface

The configuration window is titled '获取当前高度' and includes fields for '接口id', '名称', 'GET', 'http://\$(hostport)/fbs/bct/pbglb.do', '发送内容模版 (FreeMark)', '后处理 (javascript)', '测试参数(JSON)', and '测试结果'.

接口id	名称	GET	发送内容模版 (FreeMark)	后处理 (javascript)	测试参数(JSON)	测试结果
getcurblocknumber	获取当前高度	GET		ret.number		81

Workload & Scenario test

Scenario

1. Peak
2. Stress
3. Longrun

Metrics

1. TPS/CTPS
2. Block Size
3. Transaction confirm time

Workload

* Easily define

1. OLTP
2. Create-account

test



*Thanks for your
attention!*

