



Perform Day 用戶大會

卓越性能测试实践

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2016年7月7日

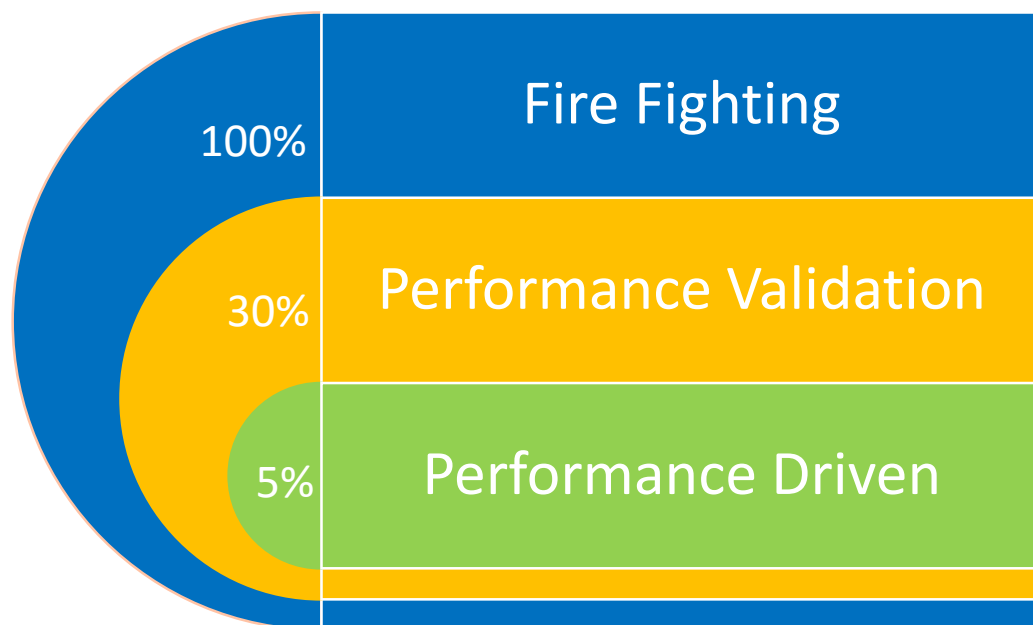
Content

- 性能管理成熟度模型
- 构建卓越性能测试
- Q&A



性能管理成熟度模型

- Forrester Performance & Defects



生产环境中性能问题的比例

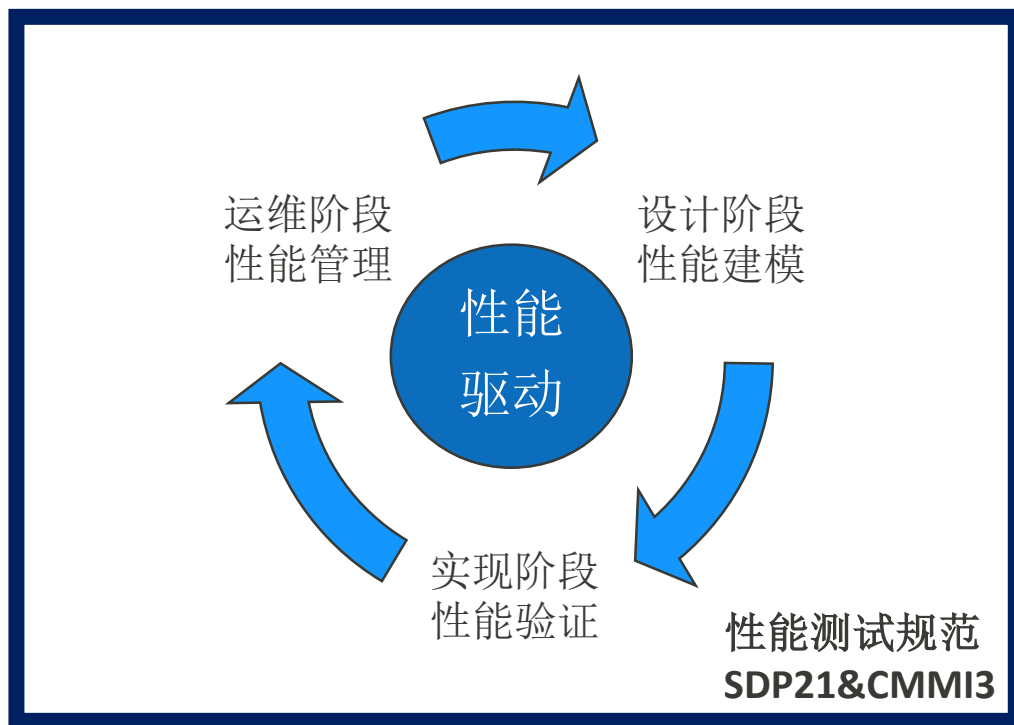
Firefighting: 发布前很少或从来没有性能测试。所有性能缺陷在生产环境中发现解决。这是最不可取的，却依然比较普遍。

Performance validation: 为性能测试在产品的后期安排了时间，生产环境会发现30%左右的性能bug。

Performance Driven: 生命周期中的每一阶段都考虑了性能，生产环境会发现5%左右的性能bug。

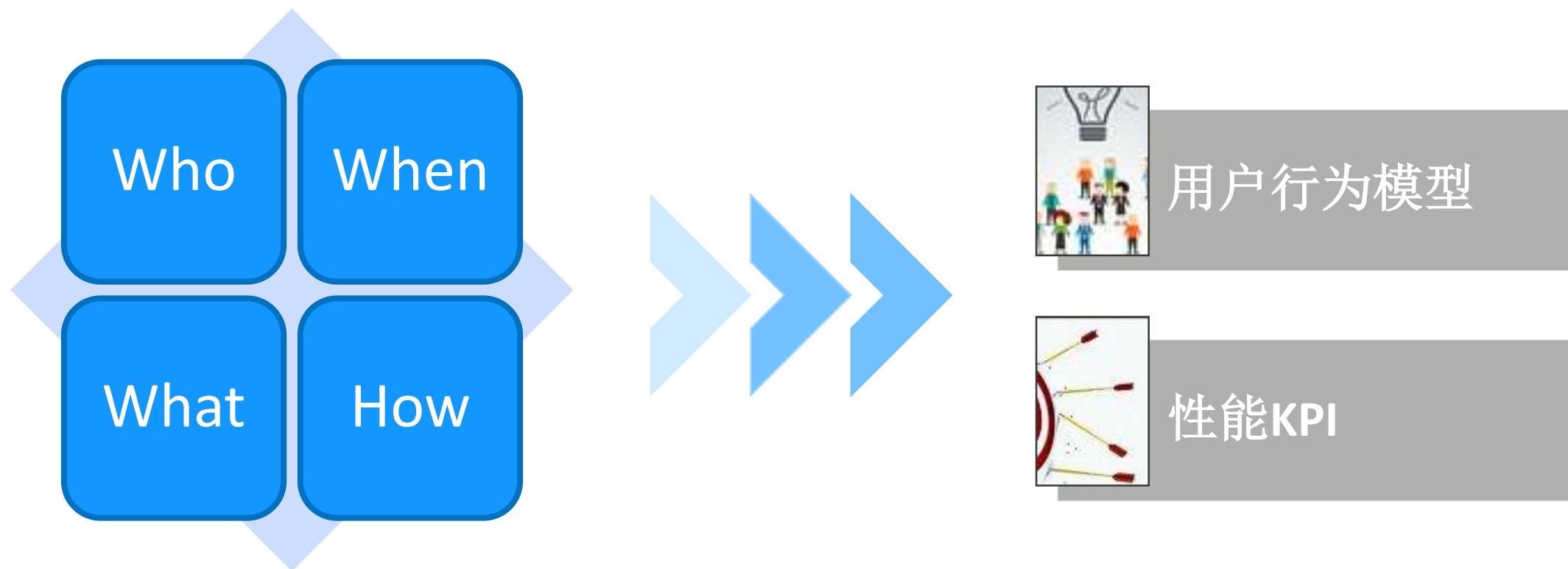
构建卓越性能测试

- SAIC-GM性能模型



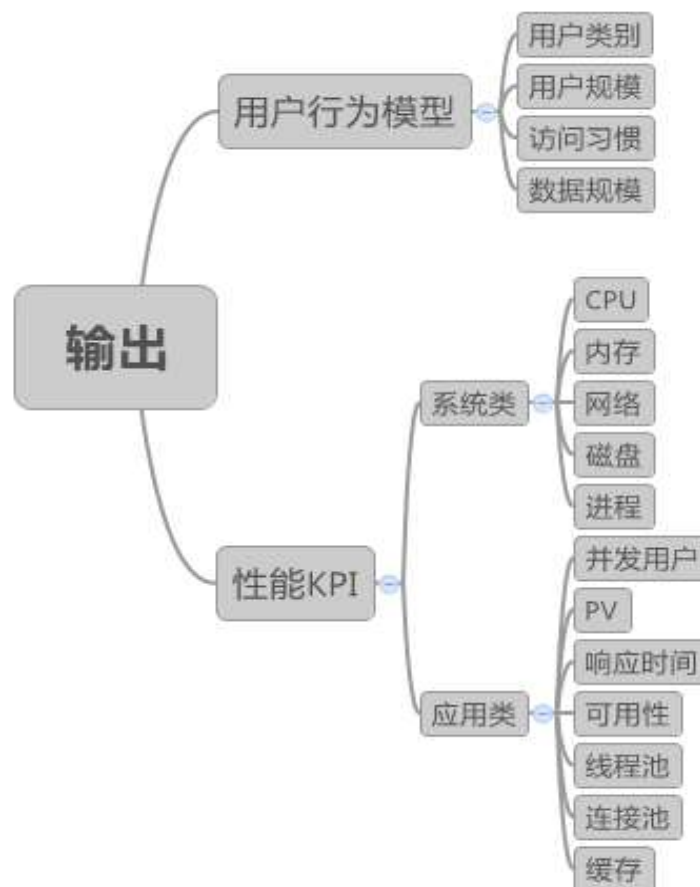
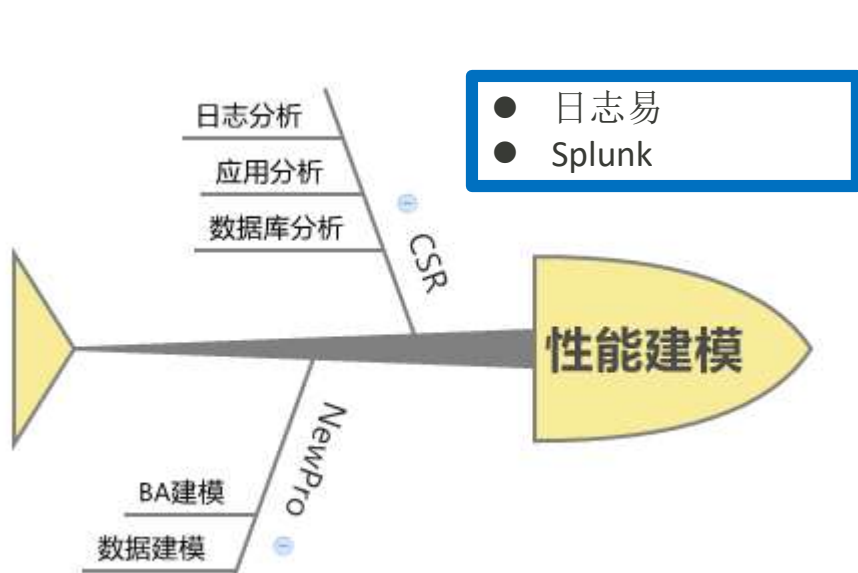
构建卓越性能测试

- 设计阶段-性能建模



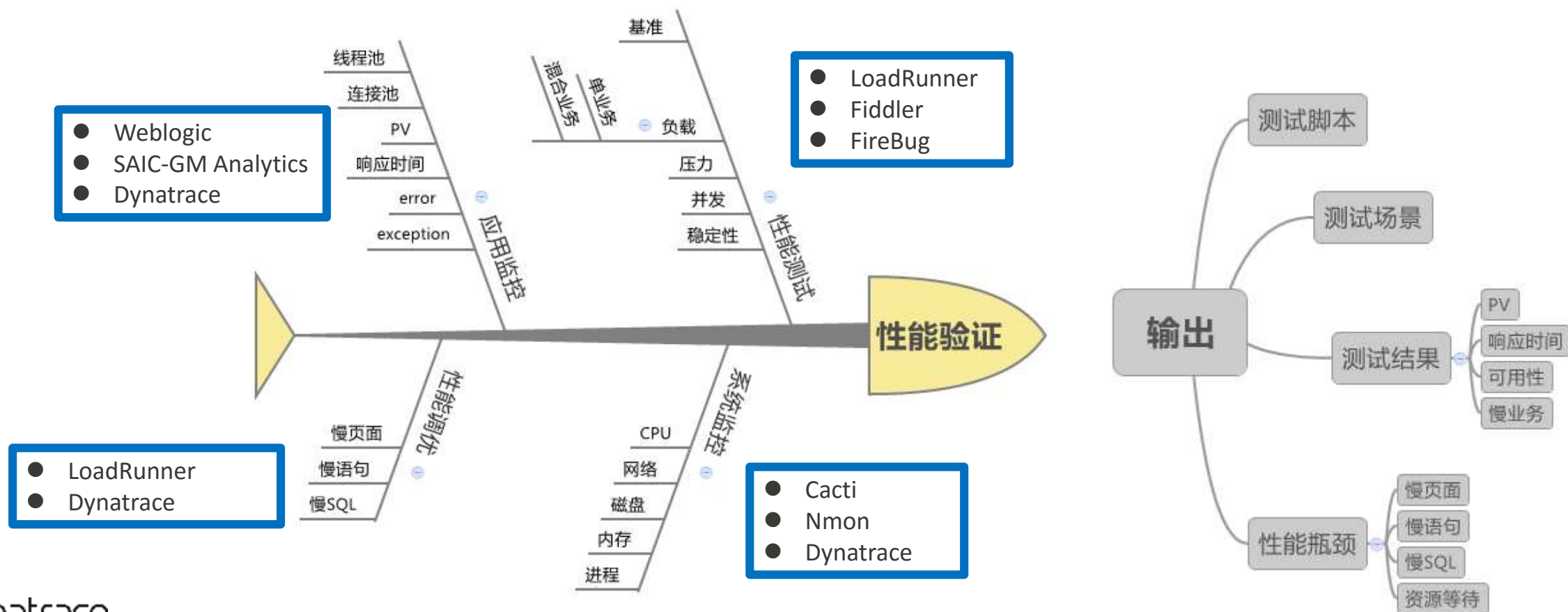
构建卓越性能测试

- 开发阶段-性能建模



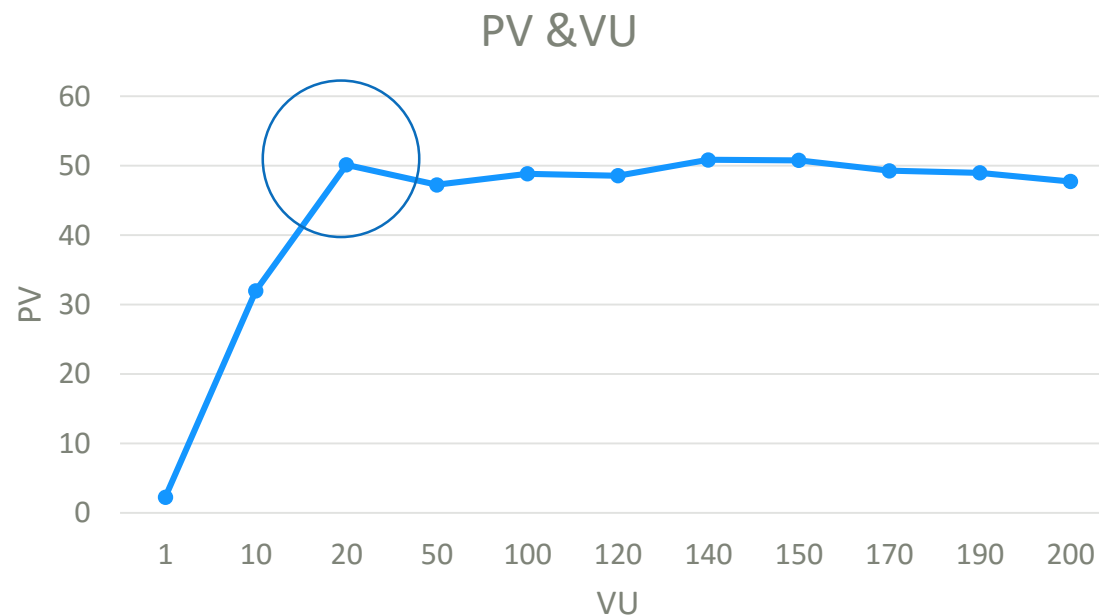
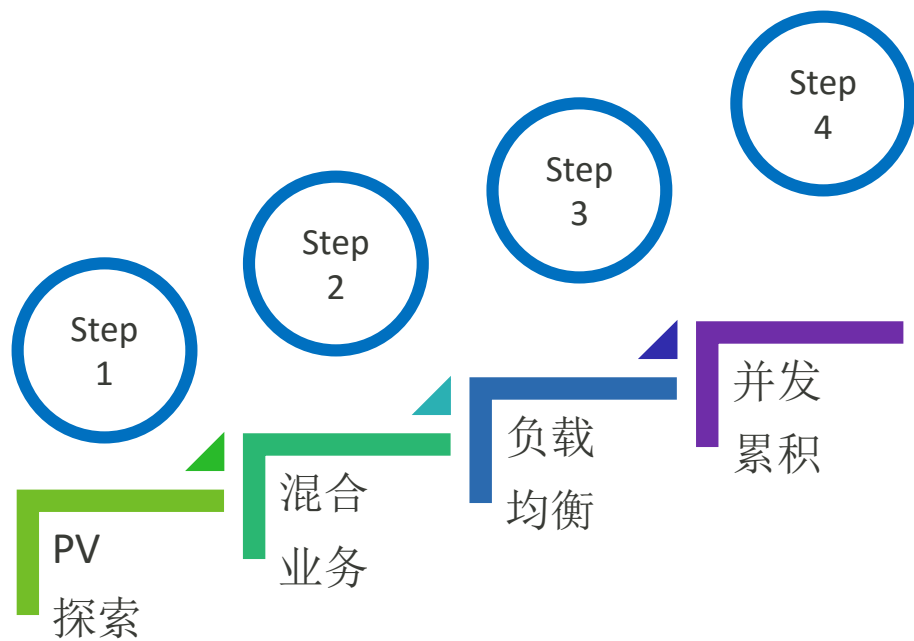
构建卓越性能测试

• 开发阶段-性能验证



构建卓越性能测试

- 性能验证-测试设计



- 如何仿真突如其来的10,000笔请求?
- 工具产生Vu和生产环境下并发的差异?

构建卓越性能测试

- 性能验证-一体化监控



构建卓越性能测试

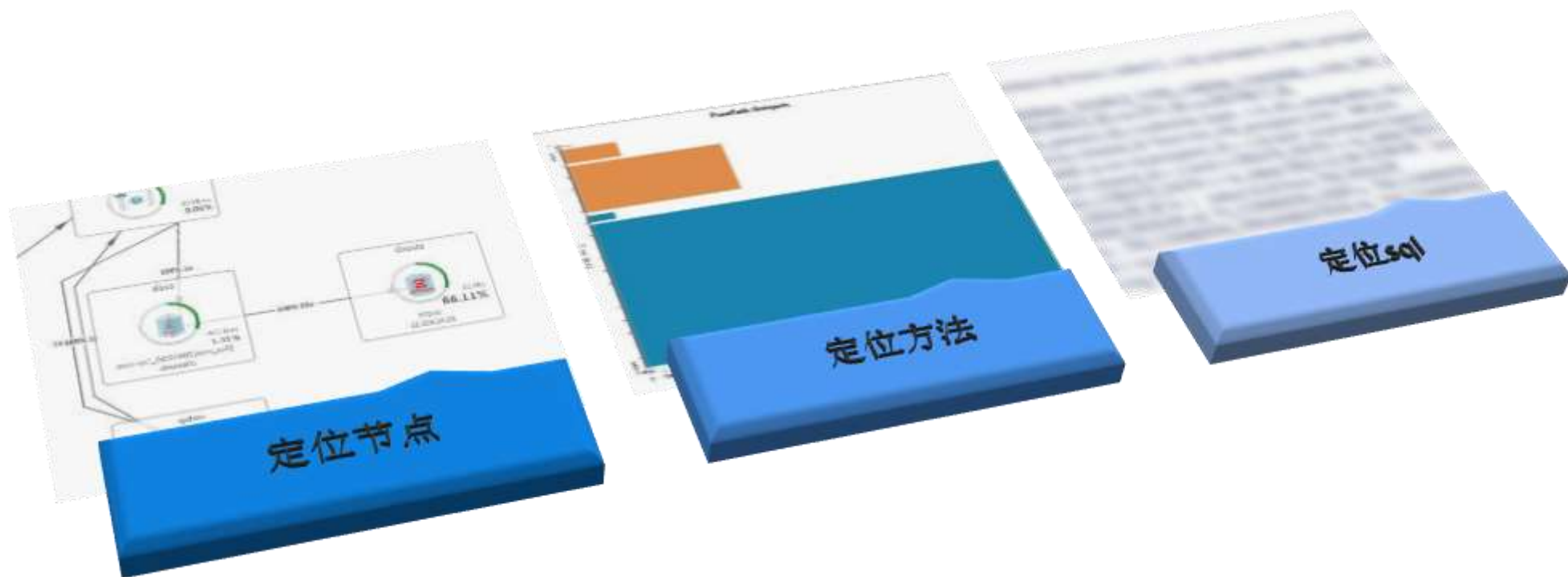
- 性能验证-事件分析

错误规则	错误计数	受影响的事务	受影响的用户操作
日志消息	1778	1778	0
Important Loggings	1778	1778	0
HTTP 响应代码	36	12	0
HTTP 4xx Response (internal)	16	12	0
HTTP 4xx Response on Transaction Entry	12	12	0
CSS or JS Resource Not Found	8	8	0
HTTP 5xx Response on Transaction Entry	0	0	0
HTTP 5xx Response (internal)	0	0	0
Error Page Redirect	0	0	0
异常	0	0	0
Database Exceptions	0	0	0
Unhandled Exceptions	0	0	0
Unhandled Inter-Tier Exceptions	0	0	0

异常类	消息	异常抛出类	异常抛出方法
org.springframework.beans.NotWritablePropertyE...	<multiple thresholded exceptions>	4	-
org.springframework.beans.NotWritablePropertyE...	Invalid property 'current_ucode' of be...	3	org.springframework.beans.BeanWra... setPropertyValue
org.springframework.beans.NotWritablePropertyE...	Invalid property 'pageNumber1' of be...	3	org.springframework.beans.BeanWra... setPropertyValue
org.springframework.beans.factory.NoSuchBeanD...	No bean named 'mk/contact/search_c...	3	-
org.springframework.beans.NotWritablePropertyE...	Invalid property 'pageNumber2' of be...	3	org.springframework.beans.BeanWra... setPropertyValue
org.springframework.beans.factory.NoSuchBeanD...	No bean named 'mk/opportunity/searc...	2	org.springframework.beans.factory.s... getBeanDefinition

构建卓越性能测试

- 性能验证-瓶颈确认



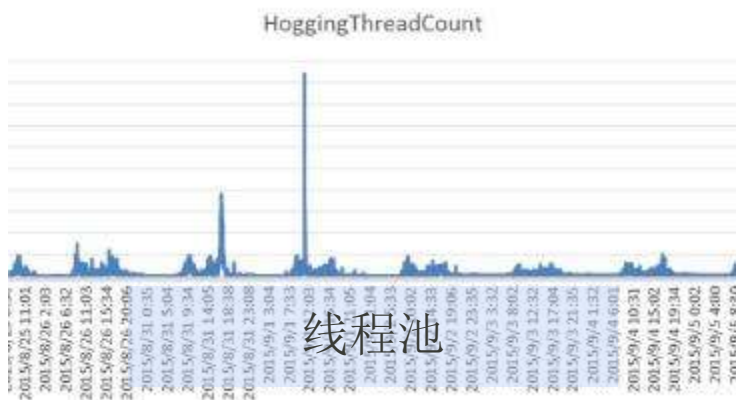
构建卓越性能测试

- 运维阶段-性能管理



访问页面名称	访问量 (PV)
SUROL APP	155
2100_210010	2
2100_210010_1	2
2000_200010	1
SUROL APP	1

The table shows the distribution of PV across different URLs. The URL "SUROL APP" is highlighted in blue and has the highest PV count of 155. The chart is labeled "URL".



卓越性能测试实践

Thanks !



