

<<应用程序性能测试艺术>>

图书基本信息

书名：<<应用程序性能测试艺术>>

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内容概要

本书作者是一位有30年IT企业工作经验和超过12年性能测试经验的顾问。

这本通俗易懂的书以真实的范例和配图例证，同时提供实用的建议。

本书详尽地解释了一个不适当的测试策略中的诸多缺陷，并提供了一套健全的、结构性的方法，以确保你的应用程序运作良好，并且在需要升级时能有效扩展。

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作者简介

Ian Molyneaux，Compuware公司Application Performance Assurance的EMEA SME（Subject Matter Expert，主题专家），在IT行业有超过30年的从业经验。
作为一名技术专家，他回避了和管理相关的内容。

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插图：Project time scales amounted to a week of lead time and three days to carry out the testing engagement. The client decided to outsource the entire testing project because of the short schedule and lack of in-house testing expertise. The test environment required little preparation since testing was to be carried out using the live infrastructure. (More on this approach in Step 2.) Performance targets for online banking were limited to availability and concurrency. The application had to be available and performant at a concurrent load of 1,000 virtual users. As mentioned, the application was coping with approximately 380 concurrent users at peak periods on a daily basis without problems, but this number was expected to increase significantly during the next year. Ten transactions were identified as core to the performance testing project. Input data requirements amounted to a list of card numbers representing real user accounts and an accompanying PIN number that provided an additional level of account security. Target data requirements were unusually straightforward in that the live application database was to be used with the caveat of no 'write' or 'update' transactions unless the transaction backed up any changes made to the database as its final action. The only performance test identified was a progressive ramp-up (without step) to the target concurrency of 1,000 virtual users. Had more time been available, a ramp-up with step variation would have provided a more granular view of steady state performance. Server and network KPIs focused on generic Windows performance metrics. There was no requirement to specifically monitor the application server or database layer. It subsequently transpired that application server monitoring would have been useful to identify poorly performing Java components whose presence had to be extrapolated from slow rendering of client-side content.

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媒体关注与评论

“ 作者Ian在本书中恰到好处地主张了厂商无关 (vendor-agnostic) 方法论。他的案例研究为本书提供了大量衡量标准、图片和背景资料，以具有说服力的方式传递给读者。'最重要的是方法，而工具可以灵活选择.....'Ian的专业技能在整个阅读体验中可见一斑。”
——Matt St.Onge，企业解决方案架构师，HCL Technologies America/Teradyne

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编辑推荐

当今企业的生存与否取决于网络应用和Web服务。

由于程序的日趋复杂和迅速部署的压力，许多从业人员不会花时间去保证程序的正常运行或有效扩展。

《应用程序性能测试艺术》一书解释了测试过程的完整生命周期，并展示了帮助您计划、获准、协调以及引导对应用程序的性能测试的最佳实践。

你将学习到如何：设定符合实际的性能测试目标，实施有效的应用程序性能测试策略，解析性能测试结果，使用自动化性能测试工具，测试传统的本地应用程序、基于Web的应用程序及Web服务（SOA），识别并解决性能测试中常被忽视的问题。

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