

## <<容量规划的艺术>>

### 图书基本信息

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### 内容概要

使用和发展情况用于衡量Web的成功与否，而基于Web的公司生存与否取决于他们根据不断增长的需求扩展基础架构的能力。

这本简单实用的指南将给予你需要用来测量、部署和管理Web应用程序架构的知识和工具，以走在具有威胁的瓶颈和急速的增长前面。

本书作者JohnAllspaw是图片共享网站Flickr.com的运营工程经理。

《容量规划的艺术》汲取了Flickr的成长中很多作者的个人心得，并结合了作者在其他企业工作的同仁们的领悟。

他们的第一手经验将会是你测算增长、预测趋势和做出符合成本效益的准备工作的有力方针。

主题包括：使用高效的工具用于测量及部署 存储、数据库和应用服务能力的分析和预测 设计易于添加并测算其效能的架构 处理突发流量峰值 预测指数式和爆发式增长 使虚拟化和像EC2这样的云服务与容量策略相适应 在本书中，作者Allspaw利用多年的宝贵经验，从Flickr的早期，当他不得不去管理任何具有成长型互动状态服务（web presence）的公司典型的成本与性能的平衡开始讲述。

他在《容量规划的艺术》中给出的建议将会帮助你为突发的增长做好准备，对你会有非常大的帮助。

作者简介：John Allspaw is currently the operations engineering manager at Flickr.com, the popular photo-sharing site. He has had extensive experience working with growing websites since 1999. These include online news magazines (Salon.com, InfoWorld.com, Macworld.com) and social networking sites that have experienced extreme growth (Friendster and Flickr). During John's time at Friendster, traffic increased fivefold. He was responsible for Friendster's transition from a couple dozen servers in a failing data center to more than 400 machines across two data centers, and the complete redesign of the backing infrastructure. When he joined Flickr, it had 10 servers in a tiny data center in Vancouver; it is now located in multiple data centers across the U.S. Prior to his web experience, John worked in modeling and simulation as a mechanical engineer performing car crash simulations for the NHTSA.

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### 章节摘录

插图：Databases are complex beasts , and finding the limits of your database can be time consuming , but well worth the effort. Just as with web servers , database capacity tends to be peak-driven. meaning their limits are usually defined by how they perform during the heaviest periods of end-user activity. As a result, we generally take a close look at the peak traffic times to see what 's going on with system resources, and take it from there. But before we start hunting for the magical ' red line ' of database consumption ; remember. I recommend looking at how your database performs with real queries and real data. One of the first things you should determine is when your database is expected to run out of hardware resources, relative to traffic. Depending on the load characteristics, you might be bound by the CPU , the network , or disk I / O. If you are lucky enough to keep your most requested data in memory, you might find yourself being constrained by CPU or network resources. This situation makes your hunt for a performance ceiling a bit easier as you need only track a single number , as we discovered when monitoring Apache performance.

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### 媒体关注与评论

“ John Allspaw的书在入门时非常有用——非常实用的Web工作原理深入研究。无论你是正在团队中学习采购过程（procurement process），还是必须成功计划一些详细而明确的方法，这本书对于任何想了解如何构建下一个Flickr的人都是必读教材。

” ——Chad Dickerson，Etsy网站的CTO，Salon.com和InfoWorld.com的前任CTO，以及Yahoo Developer Network和Brickhouse的主管

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编辑推荐

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