

## <<Google App Engine编程>>

### 图书基本信息

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## <<Google App Engine编程>>

### 内容概要

google app engine是一种与众不同的云计算服务：它为构建自动扩展的百万用户级应用提供了简单的模型。在《google app engine编程》中，你将获得来自专家的实用指南，帮助你用好这个强大的平台。google工程师dan sanderson将向你展示如何设计可扩展的应用，以及如何使用app engine的api和可扩展服务完成一般的开发任务。

你将学习appengine的应用服务器架构、运行时环境和可扩展的数据存储，还有优化应用的相关技巧。

app engine可以提供几乎无限的计算能力，《google app engine编程:英文版》给出了简明扼要的指导，以便最大化利用其资源——信息来自app engine开发团队。

- 发现传统web开发和app engine开发之间的差异
- 学习app engine python和java运行时环境的细节
- 理解app engine如何处理web请求并执行应用代码
- 学习如何使用app engine的可扩展数据存储，包括查询和索引、事务以及数据建模
- 使用任务队列在基础设施中并行化和分布工作
- 轻松部署和管理应用

## 作者简介

Dan

Sanderson是一位技术作家、Google公司的软件工程师。

他作为Google、Amazon . com和Walt

Disney互联网集团的软件工程师和技术作家在Web行业工作超过十年。

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## 章节摘录

版权页：插图：The Java environment runs applications built for the Java 6 Virtual Machine (JVM). An app can be developed using the Java programming language, or most other languages that compile to or otherwise run in the JVM, such as PHP (using Quercus), Ruby (using JRuby), JavaScript (using the Rhino interpreter), Scala, and Groovy. The app accesses the environment and services using interfaces based on web industry standards, including Java servlets and the Java Persistence API (JPA). Any Java technology that functions within the sandbox restrictions can run on App Engine, making it suitable for many existing frameworks and libraries. Notably, App Engine fully supports Google Web Toolkit (GWT), a framework for rich web applications that lets you write all of the app's code—including the user interface—in the Java language, and have your rich graphical app work with all major browsers without plug-ins. The Python environment runs apps written in the Python 2.5 programming language, using a custom version of CPython, the official Python interpreter. App Engine invokes a Python app using CGI, a widely supported application interface standard. An application can use most of Python's large and excellent standard library, as well as rich APIs and libraries for accessing services and modeling data. Many open source Python web application frameworks work with App Engine, such as Django, web2py, and Pylons, and App Engine even includes a simple framework of its own. The Java and Python environments use the same application server model: a request is routed to an app server, the application is started on the app server (if necessary) and invoked to handle the request to produce a response, and the response is returned to the client. Each environment runs its interpreter (the JVM or the Python interpreter) with sandbox restrictions, such that any attempt to use a feature of the language or a library that would require access outside of the sandbox fails with an exception.

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” ——Kevin Gibbs技术领导者兼经理，Google App Engine团队

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