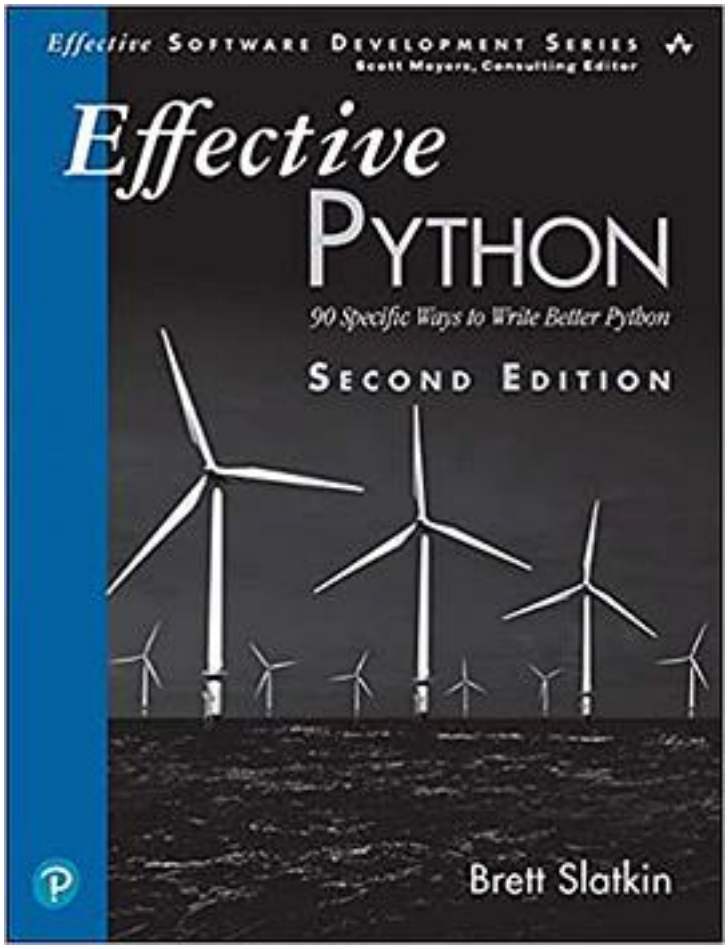
Effective Python: 2nd Edition



Effective Python: 2nd Edition_下载链接1_

著者:Brett Slatkin

出版者:Addison-Wesley Professional

出版时间:2019-12-2

装帧:Paperback

isbn:9780134854717

Updated and Expanded for Python 3

It’s easy to start developing programs with Python, which is why the language is so

popular. However, Python’s unique strengths, charms, and expressiveness can be hard to grasp, and there are hidden pitfalls that can easily trip you up.

This second edition of Effective Python will help you master a truly “Pythonic” approach to programming, harnessing Python’s full power to write exceptionally robust and well-performing code. Using the concise, scenario-driven style pioneered in Scott Meyers’ best-selling Effective C++, Brett Slatkin brings together 90 Python best practices, tips, and shortcuts, and explains them with realistic code examples so that you can embrace Python with confidence.

Drawing on years of experience building Python infrastructure at Google, Slatkin uncovers little-known quirks and idioms that powerfully impact code behavior and performance. You’ll understand the best way to accomplish key tasks so you can write code that’s easier to understand, maintain, and improve. In addition to even more advice, this new edition substantially revises all items from the first edition to reflect how best practices have evolved.

Key features include

30 new actionable guidelines for all major areas of Python

Detailed explanations and examples of statements, expressions, and built-in types

Best practices for writing functions that clarify intention, promote reuse, and avoid bugs

Better techniques and idioms for using comprehensions and generator functions

Coverage of how to accurately express behaviors with classes and interfaces

Guidance on how to avoid pitfalls with metaclasses and dynamic attributes

More efficient and clear approaches to concurrency and parallelism

Solutions for optimizing and hardening to maximize performance and quality

Techniques and built-in modules that aid in debugging and testing

Tools and best practices for collaborative development

Effective Python will prepare growing programmers to make a big impact using Python.

作者介绍:

Brett Slatkin is a principal software engineer at Google. He is the technical co-founder of Google Surveys, the co-creator of the PubSubHubbub protocol, and he launched Google’s first cloud computing product (App Engine). Fourteen years ago, he cut his teeth using Python to manage Google’s enormous fleet of servers. Outside of his day job, he likes to play piano and surf (both poorly). He also enjoys writing about programming-related topics on his personal website (https://onebigfluke.com). He earned his B.S. in computer engineering from Columbia University in the City of New York. He lives in San Francisco.

目录: Preface

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标签

Python

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评论

新版抛弃了Python 2，介绍了一些Python 3的新特性(Python 3.8)；这本书比较好的地方是，每个知识点举例比较详细，并且通过对比告诉你为什么要这么做。

增加了一些python3.8的新特性比如walrus operator，第六章metaclass略难

如果要我选一本python开发者必看的书，那么不是fluent python，也不是python cookbook，而必须是这本effective python。简直太实用了！

这本书除了第六章的metaclass以外对于新手还是比较友好的，每节末尾的小总结很不错，可以快速回顾小节内容。
另外，作者在讲某个概念的时候，往往会从问题开始，先给出初步的解决方案，然后再慢慢改进，最后提出关键的概念，比较循序渐进。
几个之前不知道的技巧：enumerate，F-string，generator & itertool，decoration，classmethod，decorator & metaclass，ThreadPoolExecutor，try/except/else/finally, Cython，unittest.
不足的是作者没有去和其他语言比较，或者去讨论Python核心的一些东西，比如everything is an object等等。

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书评

大部分知识之前已经学习过，这次就写research project会需要到的代码知识过一遍。
1. enumerate: `for i, a in enumerate(A)` 2. zip: `for a, b in zip(A, B)` 3. list comprehension `[x for x in a]` 4. generator `(x for x in a)` 5. try/except/else/finally: 6. not use...

Item 24: Use @classmethod polymorphism to construct object generically 可以处理如何动态构建模型的问题。 Item 25: Use `super(__class__, self).__init__()` when inheriting Item 29: use plain attributes instead of getter and setters. Shortingcoming of @property...

Effective Python 59 SPECIFIC WAYS TO WRITE BETTER PYTHON
这本书终于读完了。从这本书里学到不少经验，以及之前忽略的知识。书中部分内容也是库的内容（这么说有失公允，大部分属都会有抄库文档的嫌疑的，因为文档包含了最多的信息），也有很多内容基本上是常识，比如七八章...

其他部分(并发, 模块, 部署)大部分都了解, 更愿意看一下 OOP 的想法.
在这里稍微记一下. 尽量使用异常来表示特殊情况, 而不要 return None 现在看, 有两种比较棘手的情况: (1) 有时候一个方法里涉及数个含网络请求(which means 必须考虑失败)的调用, 会写成这样: def call0(): ...

我看过了 我看...

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