

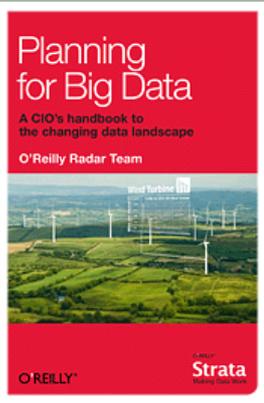


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Planning for Big Data

A CIO's Handbook to the Changing Data Landscape

By Edd Dumbill
Publisher: O'Reilly
Released: March 2012

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Description

In an age where everything is measurable, understanding big data is an essential. From creating new data-driven products through to increasing operational efficiency, big data has the potential to make your organization both more competitive and more innovative.

As this emerging field transitions from the bleeding edge to enterprise infrastructure, it's vital to understand not only the technologies involved, but the organizational and cultural demands of being data-driven.

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6/27/2012

4.0 **Good introduction to Big Data**

By **Rob**
from **Brisbane, Australia**
About Me **Developer**



PROS
Accurate
Concise
Easy to understand

CONS

BEST USES

Intermediate
Novice

Planning for Big Data presents a series of short articles on working with Big Data. Big Data being the large datasets that are available today.

My first experiences with big data date back to last century, working on Large telecommunications datasets. In those days the ideas were to create star schemes and denormalised relational data models.

In the current world big data means working with huge datasets that are often unstructured. The datasets being worked with will be a mix of proprietary in-house data, and publicly available data. Working with these datasets will require tools that allow the unstructured data to be worked with, and can also handle the large volumes. Planning for Big Data gives a good introduction to the current state of the art tools and techniques in a short easy to read series of articles. It's a great little overview for a technical or slightly technical person wanting to get a feel for the space without being bogged down in the details.

I'd recommend this for someone who is wanting to move into the world of Big Data.

[This book was reviewed as a part of the O'Reilly Blogger Review Program]

BOTTOM LINE Yes, I would recommend this to a friend

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Additionally, this Plan is the Big Data SSG's response to Recommendation 11c of the 2015 review of NITRD by the President's Council of Advisors on Science and Technology (PCAST) to coordinate a process to publish and publicly discuss periodically a research and coordination plan for its area of interest. The Plan is built around the following seven strategies that represent key areas of importance for Big Data research and development (R&D):

- Strategy 1: Create next-generation capabilities by leveraging emerging Big Data foundations, techniques, and technologies.

4. FEDERAL BIG DATA RE In these early days of big-data and analytics planning, companies should address analogous issues: choosing the internal and external data they will integrate; selecting, from a long list of potential analytic models and tools, the ones that will best support their business goals; and building the organizational capabilities needed to exploit this potential. A game plan for assembling and integrating data is essential. Companies are buried in information that's frequently siloed horizontally across business units or vertically by function. Critical data may reside in legacy IT systems that have taken hold in areas such as customer service, pricing, and supply chains. Figure 3: Big data Plan for healthcare-industry. Big Data edges in healthcare: There are several case studies with clear vision. Various big-data analytics tools and techniques have been developed for handling these massive amounts of data, in the healthcare sector. In this paper, we discuss the impact of big data in healthcare, and various tools available in the Hadoop ecosystem for handling it. We also explore the conceptual architecture of big data analytics for healthcare which involves the data gathering history of different branches, the genome database, electronic health records, text/imagery, and clinical decisions support system. View. Show abstract.