Google Drive



Drift into Failure: From Hunting Broken Components to Understanding Complex Systems

Sidney Dekker

Download now

Click here if your download doesn"t start automatically

Drift into Failure: From Hunting Broken Components to Understanding Complex Systems

Sidney Dekker

Drift into Failure: From Hunting Broken Components to Understanding Complex Systems Sidney Dekker

What does the collapse of sub-prime lending have in common with a broken jackscrew in an airliner's tailplane? Or the oil spill disaster in the Gulf of Mexico with the burn-up of Space Shuttle Columbia? These were systems that drifted into failure. While pursuing success in a dynamic, complex environment with limited resources and multiple goal conflicts, a succession of small, everyday decisions eventually produced breakdowns on a massive scale.

We have trouble grasping the complexity and normality that gives rise to such large events. We hunt for broken parts, fixable properties, people we can hold accountable. Our analyses of complex system breakdowns remain depressingly linear, depressingly componential - imprisoned in the space of ideas once defined by Newton and Descartes.

The growth of complexity in society has outpaced our understanding of how complex systems work and fail. Our technologies have gotten ahead of our theories. We are able to build things - deep-sea oil rigs, jackscrews, collateralized debt obligations - whose properties we understand in isolation. But in competitive, regulated societies, their connections proliferate, their interactions and interdependencies multiply, their complexities mushroom.

This book explores complexity theory and systems thinking to understand better how complex systems drift into failure. It studies sensitive dependence on initial conditions, unruly technology, tipping points, diversity - and finds that failure emerges opportunistically, non-randomly, from the very webs of relationships that breed success and that are supposed to protect organizations from disaster. It develops a vocabulary that allows us to harness complexity and find new ways of managing drift.

Download Drift into Failure: From Hunting Broken Components ...pdf

Read Online Drift into Failure: From Hunting Broken Componen ...pdf

Download and Read Free Online Drift into Failure: From Hunting Broken Components to Understanding Complex Systems Sidney Dekker

---

From reader reviews:

Rosa Rogers:

Reading can called head hangout, why? Because when you find yourself reading a book mainly book entitled Drift into Failure: From Hunting Broken Components to Understanding Complex Systems your mind will drift away trough every dimension, wandering in each aspect that maybe unknown for but surely will become your mind friends. Imaging just about every word written in a guide then become one web form conclusion and explanation that will maybe you never get ahead of. The Drift into Failure: From Hunting Broken Components to Understanding Complex Systems giving you one more experience more than blown away your thoughts but also giving you useful information for your better life on this era. So now let us show you the relaxing pattern the following is your body and mind are going to be pleased when you are finished reading through it, like winning a casino game. Do you want to try this extraordinary investing spare time activity?

Wendy Lambert:

Your reading 6th sense will not betray anyone, why because this Drift into Failure: From Hunting Broken Components to Understanding Complex Systems publication written by well-known writer who knows well how to make book that may be understand by anyone who all read the book. Written in good manner for you, leaking every ideas and writing skill only for eliminate your current hunger then you still doubt Drift into Failure: From Hunting Broken Components to Understanding Complex Systems as good book but not only by the cover but also by the content. This is one e-book that can break don't assess book by its cover, so do you still needing another sixth sense to pick that!? Oh come on your reading sixth sense already said so why you have to listening to yet another sixth sense.

David Blackwood:

The book untitled Drift into Failure: From Hunting Broken Components to Understanding Complex Systems contain a lot of information on this. The writer explains the girl idea with easy way. The language is very straightforward all the people, so do certainly not worry, you can easy to read the idea. The book was authored by famous author. The author gives you in the new era of literary works. It is possible to read this book because you can read on your smart phone, or model, so you can read the book inside anywhere and anytime. In a situation you wish to purchase the e-book, you can open up their official web-site and also order it. Have a nice go through.

Nancy Landry:

What is your hobby? Have you heard in which question when you got pupils? We believe that that problem was given by teacher to the students. Many kinds of hobby, Everyone has different hobby. And also you know that little person just like reading or as reading become their hobby. You need to understand that reading is very important and book as to be the thing. Book is important thing to incorporate you knowledge,

except your teacher or lecturer. You get good news or update with regards to something by book. Amount types of books that can you choose to adopt be your object. One of them is this Drift into Failure: From Hunting Broken Components to Understanding Complex Systems.

Download and Read Online Drift into Failure: From Hunting Broken Components to Understanding Complex Systems Sidney Dekker #ASW8KZ09N1F

Read Drift into Failure: From Hunting Broken Components to Understanding Complex Systems by Sidney Dekker for online ebook

Drift into Failure: From Hunting Broken Components to Understanding Complex Systems by Sidney Dekker Free PDF d0wnl0ad, audio books, books to read, good books to read, cheap books, good books, online books, books online, book reviews epub, read books online, books to read online, online library, greatbooks to read, PDF best books to read, top books to read Drift into Failure: From Hunting Broken Components to Understanding Complex Systems by Sidney Dekker books to read online.

Online Drift into Failure: From Hunting Broken Components to Understanding Complex Systems by Sidney Dekker ebook PDF download

Drift into Failure: From Hunting Broken Components to Understanding Complex Systems by Sidney Dekker Doc

Drift into Failure: From Hunting Broken Components to Understanding Complex Systems by Sidney Dekker Mobipocket

Drift into Failure: From Hunting Broken Components to Understanding Complex Systems by Sidney Dekker EPub