Role Mining In Business: Taming Role-Based Access Control Administration

Alessandro Colantonio, Roberto Di Pietro, Alberto Ocello

Role Mining In Business: Taming Role-Based Access Control Administration

Alessandro Colantonio, Roberto Di Pietro, Alberto Ocello

Role Mining In Business: Taming Role-Based Access Control Administration Alessandro Colantonio, Roberto Di Pietro, Alberto Ocello
With continuous growth in the number of information objects and the users that can access these objects, ensuring that access is compliant with company policies has become a big challenge. Role-based Access Control (RBAC) -- a policy-neutral access control model that serves as a bridge between academia and industry -- is probably the most suitable security model for commercial applications.

Interestingly, role design determines RBAC's cost. When there are hundreds or thousands of users within an organization, with individual functions and responsibilities to be accurately reflected in terms of access permissions, only a well-defined role engineering process allows for significant savings of time and money while protecting data and systems.

Among role engineering approaches, searching through access control systems to find de facto roles embedded in existing permissions is attracting increasing interest. The focus falls on role mining, which is applied data mining techniques to automate -- to the extent possible -- the role design task.

This book explores existing role mining algorithms and offers insights into the automated role design approaches proposed in the literature. Alongside theory, this book acts as a practical guide for using role mining tools when implementing RBAC. Besides a comprehensive survey of role mining techniques deeply rooted in academic research, this book also provides a summary of the role-based approach, access control concepts and describes a typical role engineering process.

Among the pioneering works on role mining, this book blends business elements with data mining theory, and thus further extends the applications of role mining into business practice. This makes it a useful guide for all academics, IT and business professionals.

Download and Read Free Online Role Mining In Business: Taming Role-Based Access Control Administration Alessandro Colantonio, Roberto Di Pietro, Alberto Ocello

From reader reviews:

Adam Youngblood:

This book untitled Role Mining In Business: Taming Role-Based Access Control Administration to be one of several books that will best seller in this year, honestly, that is because when you read this book you can get a lot of benefit into it. You will easily to buy this kind of book in the book retail store or you can order it via online. The publisher of this book sells the e-book too. It makes you quicker to read this book, because you can read this book in your Smart phone. So there is no reason for your requirements to past this e-book from your list.

Timothy Bullock:

This Role Mining In Business: Taming Role-Based Access Control Administration is brand-new way for you who has curiosity to look for some information since it relief your hunger associated with. Getting deeper you onto it getting knowledge more you know or perhaps you who still having little bit of digest in reading this Role Mining In Business: Taming Role-Based Access Control Administration can be the light food in your case because the information inside this particular book is easy to get by means of anyone. These books create itself in the form that is reachable by anyone, yep I mean in the e-book web form. People who think that in e-book form make them feel sleepy even dizzy this publication is the answer. So there is absolutely no in reading a reserve especially this one. You can find actually looking for. It should be here for anyone. So , don't miss the idea! Just read this e-book variety for your better life in addition to knowledge.

Jessica Hurst:

As a student exactly feel bored in order to reading. If their teacher asked them to go to the library as well as to make summary for some guide, they are complained. Just little students that has reading's spirit or real their pastime. They just do what the educator want, like asked to the library. They go to generally there but nothing reading critically. Any students feel that looking at is not important, boring as well as can't see colorful images on there. Yeah, it is for being complicated. Book is very important to suit your needs. As we know that on this period of time, many ways to get whatever we really wish for. Likewise word says, many ways to reach Chinese's country. So , this Role Mining In Business: Taming Role-Based Access Control Administration can make you feel more interested to read.

James Holmes:

Reading a reserve make you to get more knowledge from this. You can take knowledge and information originating from a book. Book is written or printed or outlined from each source this filled update of news. In this modern era like currently, many ways to get information are available for you actually. From media social such as newspaper, magazines, science guide, encyclopedia, reference book, new and comic. You can add your understanding by that book. Isn't it time to spend your spare time to open your book? Or just searching for the Role Mining In Business: Taming Role-Based Access Control Administration when you

essential it?

Download and Read Online Role Mining In Business: Taming Role-Based Access Control Administration Alessandro Colantonio, Roberto Di Pietro, Alberto Ocello #JU7A0YOSXND

Read Role Mining In Business: Taming Role-Based Access Control Administration by Alessandro Colantonio, Roberto Di Pietro, Alberto Ocello for online ebook

Role Mining In Business: Taming Role-Based Access Control Administration by Alessandro Colantonio, Roberto Di Pietro, Alberto Ocello 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 Role Mining In Business: Taming Role-Based Access Control Administration by Alessandro Colantonio, Roberto Di Pietro, Alberto Ocello books to read online.

Online Role Mining In Business: Taming Role-Based Access Control Administration by Alessandro Colantonio, Roberto Di Pietro, Alberto Ocello ebook PDF download

Role Mining In Business: Taming Role-Based Access Control Administration by Alessandro Colantonio, Roberto Di Pietro, Alberto Ocello Doc

Role Mining In Business: Taming Role-Based Access Control Administration by Alessandro Colantonio, Roberto Di Pietro, Alberto Ocello Mobipocket

Role Mining In Business: Taming Role-Based Access Control Administration by Alessandro Colantonio, Roberto Di Pietro, Alberto Ocello EPub