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*Early system  
administration required in-  
depth knowledge of a  
variety of services on*

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*individual systems. Now, the job is increasingly complex and different from one company to the next with an ever-growing list of technologies and third-party services to*

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*integrate. How does any  
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relevant in systems and  
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guide helps anyone in  
operations--sysadmins,  
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*professionals, and site  
reliability*

*engineers--understand the  
essential concepts of the  
role today. Collaboration,  
automation, and the  
evolution of systems*

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*change the fundamentals of operations work. No matter where you are in your journey, this book provides you the information to craft your path to advancing*

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*Topics include:*

*Development and testing:*

*Version control,*

*fundamentals of*

*virtualization and*

*containers, testing, and*

*architecture*



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*and observability,  
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management and analysis,  
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compliance*

*You may regard cloud  
computing as an ideal way*

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*for your company to  
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you know how private and  
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is? Not many people do.  
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within the cloud, and the  
various standards and  
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*one obstacle on the road  
to digital transformation  
is placing too much  
emphasis on technology,  
and not enough on the  
types of processes  
technology enables. What*

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*if different lines of  
business could build their  
own services and  
applications—and decision-  
making was distributed  
rather than centralized?  
This report explores the*

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*concept of a digital business platform as a way of empowering individual business sectors to act on data in real time. Much innovation in a digital enterprise will*

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*increasingly happen at the edge, whether it involves business users (from marketers to data scientists) or IoT devices. To facilitate the process, your core IT team*

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*can provide these sectors  
with the digital tools  
they need to innovate  
quickly. This report  
explores: Key cultural and  
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developing business*



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*capabilities through cross-functional product teams A platform for integrating applications, data sources, business partners, clients, mobile apps, social networks, and*

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*Can a system be considered truly*

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*reliable if it isn't fundamentally  
secure? Or can it be considered  
secure if it's unreliable? Security  
is crucial to the design and  
operation of scalable systems in  
production, as it plays an  
important part in product quality,*

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problems? Have you been  
surprised to discover your  
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spent a year launching a new*

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*About The Book: Burgess approaches both network and system administration from the perspective of principles and ideas which do not*

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*change on a day-to-day basis. A great deal of attention is paid to the heuristics of system and network administration; technical and sociological issues are taken into account equally and are presented thoughtfully with an eye to teaching*

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*not what to do as a system or network administrator, but how to think about problems that arise in practice. As a result, the author keeps the reader looking forward to what comes next and how to implement what he or she has learned. The focus is on strategic*

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*issues, how to keep systems maintainable and how to manage configuration files across an enterprise. During the 80s and most of the 90s the frontiers of system administration were about understanding what the job entailed*

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*and building tools in order to manage networks more efficiently. The next phase is about standardization of management and practice, making system administration more formal and less ad hoc, and Burgess' book is one of the first to begin to push into*

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*this area. Whilst there are multitudes of ways to become a systems administrator, many employers prefer to hire people with some formal college education. Certification and practical experience demonstrating these skills will be essential for*



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