Poweredge R730xd Dell

Developing nations have seen many technological advances in the last decade. Although beneficial and progressive, they can lead to unsafe mobile devices, system networks, and internet of things (IoT) devices, causing security vulnerabilities that can have ripple effects throughout society. While researchers attempt to find solutions, improper implementation and negative uses of technology continue to create new security threats to users. Cybersecurity Capabilities in Developing Nations and Its Impact on Global Security brings together research-based chapters and case studies on systems security techniques and current methods to identify and overcome technological vulnerabilities, emphasizing security issues in developing nations. Focusing on topics such as data privacy and security issues, this book is an essential reference source for researchers, university academics, computing professionals, and upper-level students in developing countries interested in the techniques, laws, and training initiatives currently being implemented and adapted for secure computing.
This book constitutes the refereed

proceedings of the 31th Australasian Database Conference, ADC 2019, held in Melbourne, VIC, Australia, in February 2020. The 14 full and 5 short papers presented were carefully reviewed and selected from 30 submissions. The Australasian Database Conference is an annual international forum for sharing the latest research advancements and novel applications of database systems, data driven applications and data analytics between researchers and practitioners from around the globe, particularly Australia, New Zealand and in the World.
This book is open access under a CC BY NC ND license. It addresses the most recent developments in cloud computing such as HPC in the Cloud, heterogeneous cloud, self-organising and self-management, and discusses the business implications of cloud computing adoption. Establishing the need for a new architecture for cloud computing, it discusses a novel cloud management and delivery architecture based on the principles of self-organisation and self-management. This focus shifts the deployment and optimisation effort from the consumer to the software stack running on the cloud infrastructure. It also outlines validation challenges and introduces a novel generalised

extensible simulation framework to illustrate the effectiveness, performance and scalability of self-organising and self-managing delivery models on hyperscale cloud infrastructures. It concludes with a number of potential use cases for self-organising, self-managing clouds and the impact on those businesses. Death Of A Sanitation Engineer Imagine a time in the distant future where France is nothing more than a parking lot. Andy Wilson embarked on a space station to visit new worlds, meet aliens, and mainly to party. Assigned to sanitation duties out in deep space could drive anyone crazy. Especially when your leader is an egg and war is brewing...
25th International Conference, DASFAA 2020, Jeju, South Korea, September 24–27, 2020, Proceedings, Part III
Proceedings of the 13th International Conference on Ubiquitous Information Management and Communication (IMCOM) 2019
Parallel Problem Solving from Nature – PPSN XV
24th International Conference, ICONIP 2017, Guangzhou, China, November 14–18, 2017, Proceedings, Part VI
VMware VSphere 6.5 Host Resources Deep

Dive
Wireless Algorithms, Systems, and
Applications
MultiMedia Modeling

Edge computing is quickly becoming an important technology throughout a number of fields as businesses and industries alike embrace the benefits it can have in their companies. The streamlining of data is crucial for the development and evolution of businesses in order to keep up with competition and improve functions overall. In order to appropriately utilize edge computing to its full potential, further study is required to examine the potential pitfalls and opportunities of this innovative technology. The Research Anthology on Edge Computing Protocols, Applications, and Integration establishes critical research on the current uses, innovations, and challenges of edge computing across disciplines. The text highlights the history of edge computing and how it has been adapted over time to improve industries. Covering a range of topics such as bandwidth, data centers, and security, this major reference work is ideal for industry professionals, computer scientists, engineers, practitioners, researchers, academicians, scholars, instructors, and students.

This book constitutes the refereed proceedings of the 18th International Semantic Web Conference, ESWC 2021, held virtually in June 2021. The 41 full papers and 2 short papers presented were carefully reviewed and selected from 167 submissions. The papers were submitted to three tracks: the research track, the resource track and the in-use track. These tracks showcase research and development activities, services and applications, and innovative research outcomes making their way into industry. The research track caters to both long-standing and emerging research topics in the form of the following subtracks: ontologies and reasoning; knowledge graphs (understanding, creating, and exploiting); semantic data management, querying and

distributed data; data dynamics, quality, and trust; matching, integration, and fusion; NLP and information retrieval; machine learning; science data and scholarly communication; and problems to solve before you die.

The two-volume set LNCS 10704 and 10705 constitutes the thoroughly refereed proceedings of the 24th International Conference on Multimedia Modeling, MMM 2018, held in Bangkok, Thailand, in February 2018. Of the 185 full papers submitted, 46 were selected for oral presentation and 28 for poster presentation; in addition, 5 papers were accepted for Multimedia Analytics: Perspectives, Techniques, and Applications, 12 extended abstracts for demonstrations ,and 9 accepted papers for Video Browser Showdown 2018. All papers presented were carefully reviewed and selected from 185 submissions.

This volume constitutes the proceedings of the 12th International Conference on Cloud Computing, CLOUD 2019, held as part of the Services Conference Federation, SCF 2019, in San Diego, CA, USA, in June 2019. The 24 full papers were carefully reviewed and selected from 53 submissions. CLOUD has been a prime international forum for both researchers and industry practitioners to exchange the latest fundamental advances in the state of the art and practice of cloud computing, to identify emerging research topics, and to define the future of cloud computing. All topics regarding cloud computing align with the theme of CLOUD.

17th EAI International Conference, SecureComm 2021, Virtual Event, September 6–9, 2021, Proceedings, Part I

Algorithms and Architectures for Parallel Processing

Contemporary High Performance Computing

26th European Symposium on Programming, ESOP 2017, Held as Part of the European Joint Conferences on Theory and Practice of Software, ETAPS 2017, Uppsala, Sweden, April 22–29, 2017, Proceedings

Migrating to Azure

24th International Conference, ICIST 2018, Vilnius, Lithuania,

October 4–6, 2018, Proceedings
The Semantic Web: ESWC 2018 Satellite Events
This book constitutes the refereed proceedings of
the Workshops and Symposiums of the 15th
International Conference on Algorithms and
Architectures for Parallel Processing, ICA3PP 2015,
held in Zhangjiajie, China, in November 2015. The
program of this year consists of 6
symposiums/workshops that cover a wide range of
research topics on parallel processing technology:
the Sixth International Workshop on Trust, Security
and Privacy for Big Data, TrustData 2015; the Fifth
International Symposium on Trust, Security and
Privacy for Emerging Applications, TSP 2015; the
Third International Workshop on Network
Optimization and Performance Evaluation, NOPE
2015; the Second International Symposium on
Sensor-Cloud Systems, SCS 2015; the Second
International Workshop on Security and Privacy
Protection in Computer and Network Systems,
SPPCN 2015; and the First International Symposium
on Dependability in Sensor, Cloud, and Big Data
Systems and Applications, DependSys 2015. The
aim of these symposiums/workshops is to provide a
forum to bring together practitioners and researchers
from academia and industry for discussion and
presentations on the current research and future
directions related to parallel processing technology.
The themes and topics of these

symposiums/workshops are a valuable complement to the overall scope of ICA3PP 2015 and give additional values and interests.

This book constitutes the thoroughly refereed post-conference proceedings of the Satellite Events of the 15th Extended Semantic Web Conference, ESWC 2018, held in Heraklion, Crete, Greece, in June 2018. The volume contains 41 poster and demonstration papers, 11 invited workshop papers, and 9 full papers, selected out of a total of 70 submissions. They deal with all areas of semantic web research, semantic technologies on the Web and Linked Data.

This book constitutes revised selected papers from 10 workshops that were held as the ISC High Performance 2017 conference in Frankfurt, Germany, in June 2017. The 59 papers presented in this volume were carefully reviewed and selected for inclusion in this book. They stem from the following workshops: Workshop on Virtualization in High-Performance Cloud Computing (VHPC) Visualization at Scale: Deployment Case Studies and Experience Reports International Workshop on Performance Portable Programming Models for Accelerators (P^3MA) OpenPOWER for HPC (IWOPH) International Workshop on Data Reduction for Big Scientific Data (DRBSD) International Workshop on Communication Architectures for HPC, Big Data, Deep Learning and Clouds at Extreme Scale

Workshop on HPC Computing in a Post Moore's Law World (HCPM) HPC I/O in the Data Center (HPC-IODC) Workshop on Performance and Scalability of Storage Systems (WOPSSS) IXPUG: Experiences on Intel Knights Landing at the One Year Mark International Workshop on Communication Architectures for HPC, Big Data, Deep Learning and Clouds at Extreme Scale (ExaComm)

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Pattern Recognition and Artificial Intelligence
Simple ideas to assist with your smart home renovation
Neural Information Processing
Cloud Computing and Security
Third International Conference, ICPRAI 2022, Paris, France, June 1–3, 2022, Proceedings, Part I

Virtualization and Private Cloud with VMware Cloud
Suite

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This two-volume set LNCS 11101 and 11102
constitutes the refereed proceedings of the 15th
International Conference on Parallel Problem
Solving from Nature, PPSN 2018, held in Coimbra,
Portugal, in September 2018. The 79 revised full
papers were carefully reviewed and selected from
205 submissions. The papers cover a wide range
of topics in natural computing including
evolutionary computation, artificial neural
networks, artificial life, swarm intelligence,
artificial immune systems, self-organizing systems,
emergent behavior, molecular computing,
evolutionary robotics, evolvable hardware, parallel
implementations and applications to real-world
problems. The papers are organized in the
following topical sections: numerical optimization;
combinatorial optimization; genetic programming;
multi-objective optimization; parallel and
distributed frameworks; runtime analysis and
approximation results; fitness landscape modeling
and analysis; algorithm configuration, selection, and
benchmarking; machine learning and evolutionary
algorithms; and applications. Also included are the
descriptions of 23 tutorials and 6 workshops which
took place in the framework of PPSN XV.
This book constitutes the proceedings of the
International Conference on Cloud Computing and
Security (ICCCS 2015) will be held on August

13-15, 2015 in Nanjing, China. The objective of ICCCS 2015 is to provide a forum for researchers, academicians, engineers, industrial professionals, students and government officials involved in the general areas of information security and cloud computing.

GoldenGate exchanges data among systems in a timely manner and meets the demand for real-time access to information regardless of volume. The new release, 12c, includes an optimized database, intelligent and integrated delivery capabilities, expanded heterogeneity, and tighter security. Perform zero downtime data migration to on-premise or public cloud with GoldenGate's feature-rich portfolio. Start with the installation and learn the design concepts and enhanced configuration of GoldenGate 12c. Exploit new 12c features to successfully implement GoldenGate on your enterprise. Dive deep into configuring GoldenGate for high availability, DDL support, and reverse processing. Build fast, secure, robust, scalable technical solutions by tuning data delivery and networks. Finally, enrich your data replication knowledge by learning the troubleshooting tips.

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VMware vSphere 6.5
Cybersecurity Capabilities in Developing Nations
and Its Impact on Global Security
Oracle GoldenGate 12c Implementer's Guide
The Semantic Web
First International Conference, ICCCS 2015,
Nanjing, China, August 13-15, 2015. Revised
Selected Papers
31st Australasian Database Conference, ADC 2020,
Melbourne, VIC, Australia, February 3– 7, 2020,

Proceedings

14th International Conference, WASA 2019, Honolulu, HI, USA, June 24– 26, 2019, Proceedings

This two-volume set LNICST 398 and 399 constitutes the post-conference proceedings of the 17th International Conference on Security and Privacy in Communication Networks, SecureComm 2021, held in September 2021. Due to COVID-19 pandemic the conference was held virtually. The 56 full papers were carefully reviewed and selected from 143 submissions. The papers focus on the latest scientific research results in security and privacy in wired, mobile, hybrid and ad hoc networks, in IoT technologies, in cyber-physical systems, in next-generation communication systems in web and systems security and in pervasive and ubiquitous computing.

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Design an enterprise solution from scratch that allows the migration of a legacy application. Begin with the planning and design phase and be guided through all the stages of selecting the architecture framework that fits your enterprise. Join Microsoft MVP Josh Garverick as he addresses all major areas of design and implementation—application, infrastructure, data, security, and deployment—while leveraging the power and tools of Visual Studio Team Services (VSTS) to bring DevOps to the forefront. With an emphasis on principles and best practices of enterprise design, you will discover how to recognize existing patterns within the legacy platform and to identify potential risks, bottlenecks, and candidates for automation. What You'll Learn Accurately and completely capture baseline information about a legacy system Leverage enterprise patterns for constructing next-generation platforms in the cloud Design, plan, and implement deployment pipelines to enable continuous delivery Identify and implement cloud-based platform components to reduce total cost of ownership Understand testing and validation: iterative component authoring, monitoring, deployment, and performance Price and perform capacity planning for cloud-based infrastructure and workloads Who This Book Is For Enterprise architects and IT professionals who are required to keep legacy**

**applications relevant in today's cloud-first world
This book constitutes the refereed proceedings of
the 24th International Conference on Information and
Software Technologies, ICIST 2018, held in Vilnius,
Lithuania, in October 2018. The 48 papers presented
were carefully reviewed and selected from 124
submissions. The papers are organized in topical
sections on information systems; business
intelligence for information and software systems;
software engineering; and information technology
applications.
Chinese Computational Linguistics
Death Of A Sanitation Engineer
Research Anthology on Edge Computing Protocols,
Applications, and Integration
18th China National Conference, CCL 2019,
Kunming, China, October 18–20, 2019, Proceedings
Transforming Legacy Applications into Scalable
Cloud-First Solutions
The Smarthome Book
Security and Privacy in Communication Networks**

This book constitutes the proceedings of the 26th
European Symposium on Programming, ESOP 2017,
which took place in Uppsala, Sweden in April 2017, held
as Part of the European Joint Conferences on Theory and
Practice of Software, ETAPS 2017. The 36 papers
presented in this volume were carefully reviewed and
selected from 112 submissions. They cover traditional as
well as emerging topics in programming languages. In
detail they deal with semantic foundation and type system

for probabilistic programming; techniqu3es for verifying concurrent or higher-order programs; programming languages for arrays or web data; program analysis and verification of non-standard program properties; foundation and application of interactive theorem proving; graph rewriting; separation logic; session type; type theory; and implicit computational complexity. This volume constitutes the proceedings of the 6th CCF Conference, Big Data 2018, held in Xi'an, China, in October 2018. The 32 revised full papers presented in this volume were carefully reviewed and selected from 880 submissions. The papers are organized in topical sections on natural language processing and text mining; big data analytics and smart computing; big data applications; the application of big data in machine learning; social networks and recommendation systems; parallel computing and storage of big data; data quality control and data governance; big data system and management. This book constitutes the refereed proceedings of the 25th Australasian Conference on Information Security and Privacy, ACISP 2020, held in Perth, WA, Australia, in November 2020*. The 31 revised full papers and 5 short papers presented were carefully revised and selected from 151 submissions. The papers present and discuss the latest research, trends, breakthroughs, and challenges in the domain of information security, privacy and cybersecurity on a variety of topics such as post-quantum cryptography; symmetric cipher; signature; network security and blockchain; cryptographic primitives; mathematical

foundation; machine learning security, among others.
*The conference was held virtually due to COVID-19 pandemic.

This two-volume set constitutes the proceedings of the Third International Conference on Pattern Recognition and Artificial Intelligence, ICPRAI 2022, which took place in Paris, France, in June 2022. The 98 full papers presented were carefully reviewed and selected from 192 submissions. The papers present new advances in the field of pattern recognition and artificial intelligence. They are organized in topical sections as follows: pattern recognition; computer vision; artificial intelligence; big data.

Heterogeneity, High Performance Computing, Self-Organization and the Cloud

ICA3PP International Workshops and Symposiums, Zhangjiajie, China, November 18-20, 2015, Proceedings

Big Data

From Petascale toward Exascale

ESWC 2018 Satellite Events, Heraklion, Crete, Greece, June 3-7, 2018, Revised Selected Papers

Innovations in Modeling and Simulation to Advance Translational Science

24th International Conference, MMM 2018, Bangkok, Thailand, February 5-7, 2018, Proceedings, Part II

В номере:Суперкомпьютер в штатном режимеСовременная высокопроизводительная система – это сложный комплекс, каждый компонент которого может в любой момент выйти из строя, поэтому

необходим оперативный контроль, гарантирующий их надежную и эффективную работу, а также средства автоматического реагирования на нештатные ситуации.Как покорить интеграционные вершины?Большинство компаний пока топчутся у подножия вершин интеграции, и хотя головы кружат облака, добраться до них можно только через интеграцию сервисов. Однако, не научившись интегрировать приложения и данные, сделать это невозможно.Сервисы, архитектура и унаследованные системыКорпоративные системы стремительно эволюционируют – монолитные приложения сменяются распределенными, основанными на сервисной архитектуре, обеспечивающей возможность быстрой перестройки бизнес-процессов. Как адаптировать унаследованные системы к требованиям нового времени?Защищенные среды мобильных устройствАппаратные безопасные среды выполнения имеются на мобильных устройствах уже больше десятка лет, однако используются ограниченно – система On-board Credential раскрывает возможности таких сред для разработчиков приложений.Улучшая, не навредиДаже гении не всегда программируют идеально. Работая с чужим кодом, нужно приложить все усилия, чтобы не испортить и не ухудшить его функциональность. Каких правил стоит придерживаться при вмешательстве в существующий код?«Легковесная» аналитикаРазвитие аналитических систем идет сегодня в направлении увеличения объема обрабатываемой информации и скорости выполнения запросов, а многомерный анализ небольших баз данных остается вне русла развития. Между тем подобные инструменты востребованы малыми и средними предприятиями.Защищенные вычисления в облакеВысокопроизводительные

**вычисления стали неотъемлемой частью
технологического процесса многих компаний и
организаций, однако далеко не все они могут позволить
себе собственный суперкомпьютер. Альтернативой
может стать аренда машинного времени в облаке, но
здесь возникает проблема сохранения
конфиденциальности данных, которая решается путем
шифрования.и многое другое**

**This book provides a written record of the synergy that already
exists among the research communities and represents a solid
framework in the advancement of big data and cloud
computing disciplines from which new interaction will result in
the future. This book is a compendium of the International
Conference on Big Data and Cloud Computing (ICBDCC 2021).
It includes recent advances in big data analytics, cloud
computing, the Internet of nano things, cloud security, data
analytics in the cloud, smart cities and grids, etc. This book
primarily focuses on the application of knowledge that
promotes ideas for solving the problems of society through
cutting-edge technologies. The articles featured in this book
provide novel ideas that contribute to the growth of world-class
research and development. The contents of this book are of
interest to researchers and professionals alike.**

**Contemporary High Performance Computing: From Petascale
toward Exascale, Volume 3 focuses on the ecosystems
surrounding the world's leading centers for high performance
computing (HPC). It covers many of the important factors
involved in each ecosystem: computer architectures, software,
applications, facilities, and sponsors. This third volume will be
a continuation of the two previous volumes, and will include
other HPC ecosystems using the same chapter outline:
description of a flagship system, major application workloads,
facilities, and sponsors. Features: Describes many prominent,
international systems in HPC from 2015 through 2017**

**including each system's hardware and software architecture
Covers facilities for each system including power and cooling
Presents application workloads for each site Discusses historic
and projected trends in technology and applications Includes
contributions from leading experts Designed for researchers
and students in high performance computing, computational
science, and related areas, this book provides a valuable guide
to the state-of-the art research, trends, and resources in the
world of HPC.**

**Technology is playing an increasingly more important part in
our homes as well as our day to day lives. Get this simple to
read guide to be introduced to structured wiring and
smarthome concepts. It will not only take you through the
requirements necessary to implement these upgrades but also
provide a long list of inspirational and useful ideas to help
make your smarthome upgrade not only a reality but fun!
Through the chapters of this book we cover the various topics
and components which will provide an insight into upgrading
your home and making it smart. Considering a renovation or a
new build? Then look no further, as this will detail the basics of
home cinema, whole house audio and video systems, security
with remote monitoring, energy efficiency and how best to set
up your data network, all wrapped up in an easy to read format,
with easily laid out diagrams and a glossary of terms and links
at the end to further your quest. Consider how long people
spend deciding what flooring to lay down or what tiles to place
in the kitchen or bathroom. Now consider how long people
spend on what type of cabling will allow them to have that cool
minimalist look in their renovation! Those hidden wires, the
intelligent lighting, the surround sound, the energy efficient
heating. Read this book before speaking to your electrician or
installer. Save yourself time and money by being prepared.**
Журнал сетевых решений / LAN
6th CCF Conference, Big Data 2018, Xi'an, China, October

11-13, 2018, Proceedings

**14th International Conference, SecureComm 2018, Singapore, Singapore, August 8-10, 2018, Proceedings, Part I
Proceedings of ICBDCC 2021
25th Australasian Conference, ACISP 2020, Perth, WA, Australia, November 30 – December 2, 2020, Proceedings
Information and Software Technologies**
To help readers understand virtualization and cloud computing, this book is designed to cover the theories and concepts enough to understand the cutting-edge technology. Meanwhile, in this book, the reader can gain hands-on skills on VMware Cloud Suite to create a private cloud. With the academic support from VMware, readers can use the VMware supported software to create various virtualized IT infrastructures sophisticated enough for various sized enterprises. Then, the virtualized IT infrastructure can be made available to an enterprise through the private cloud services.
Over past few years, technologies have experienced boundaries getting blurred and concept of convergence to gain prominence. Harnessing from this, two main tracks for information processing management and communication are held, covering both research and application works of information management, intelligent information processing, interaction management, networking/ telecommunications,

and social interaction. This book creates unique opportunity for research convergence among truly diverse technology domains of computer science. Leveraging from this diversity of topics, researchers get to generate novel research ideas by seeking application of their research in a different technology domain. This volume represents the collection of papers presented at the 13th International Conference on Ubiquitous Information Management and Communication (IMCOM 2019), held on 4-6 January 2019 in Phuket, Thailand. Out of 228 papers submitted from all around the world 88 papers were accepted for presentations. The 88 contributions to this volume are organized into 5 chapters: Chapter 1. Network Evolution, Chapter 2. Intelligent and Secure Network, Chapter 3. Image and Video Processing, Chapter 4. Information Technology and Society, and Chapter 5. Data Mining and Learning. Our editors wish readers to find this volume informative and enjoyable.

本书以vSphere 6.5.0为基础进行讲解，从VMware vSphere虚拟化技术架构开始，介绍vSphere集群的配置、部署，VSAN虚拟存储的使用，虚拟机的创建及相关操作等内容，帮助读者理解并掌握虚拟化相关技术。

Heterogeneity, High Performance Computing, Self-Organization and the CloudSpringer

ISC High Performance 2017 International Workshops, DRBSD, ExaComm, HCPM, HPC-IODC, IWOPH, IXPUG, P^3MA, VHPC,

Visualization at Scale, WOPSSS, Frankfurt, Germany, June 18-22, 2017, Revised Selected Papers
Database Systems for Advanced Applications
Information Security and Privacy
High Performance Computing
18th International Conference, ESWC 2021, Virtual Event, June 6–10, 2021, Proceedings
Learning Proxmox VE
5G核心网技术与实践

The six volume set LNCS 10634, LNCS 10635, LNCS 10636, LNCS 10637, LNCS 10638, and LNCS 10639 constitues the proceedings of the 24rd International Conference on Neural Information Processing, ICONIP 2017, held in Guangzhou, China, in November 2017. The 563 full papers presented were carefully reviewed and selected from 856 submissions. The 6 volumes are organized in topical sections on Machine Learning, Reinforcement Learning, Big Data Analysis, Deep Learning, Brain-Computer Interface, Computational Finance, Computer Vision, Neurodynamics, Sensory Perception and Decision Making, Computational Intelligence, Neural Data Analysis, Biomedical Engineering, Emotion and Bayesian Networks, Data Mining, Time-Series Analysis, Social Networks, Bioinformatics, Information Security and Social Cognition, Robotics and Control, Pattern Recognition, Neuromorphic Hardware and Speech Processing.
The 4 volume set LNCS 12112-12114 constitutes

the papers of the 25th International Conference on Database Systems for Advanced Applications which will be held online in September 2020. The 119 full papers presented together with 19 short papers plus 15 demo papers and 4 industrial papers in this volume were carefully reviewed and selected from a total of 487 submissions. The conference program presents the state-of-the-art R&D activities in database systems and their applications. It provides a forum for technical presentations and discussions among database researchers, developers and users from academia, business and industry. This book constitutes the proceedings of the 14th International Conference on Wireless Algorithms, Systems, and Applications, WASA 2019, held in Honolulu, HI, USA, in June 2019. The 43 full and 11 short papers presented were carefully reviewed and selected from 143 submissions. The papers deal with new ideas and recent advances in computer systems, wireless networks, distributed applications, and advanced algorithms that are pushing forward the new technologies for better information sharing, computer communication, and universal connected devices in various environments, especially in wireless networks. This book constitutes the proceedings of the 18th China National Conference on Computational Linguistics, CCL 2019, held in Kunming, China, in October 2019. The 56 full papers presented in this volume were

**carefully reviewed and selected from 134
submissions. They were organized in topical
sections named: linguistics and cognitive
science, fundamental theory and methods of
computational linguistics, information
retrieval and question answering, text
classification and summarization, knowledge
graph and information extraction, machine
translation and multilingual information
processing, minority language processing,
language resource and evaluation, social
computing and sentiment analysis, NLP
applications.**

Programming Languages and Systems
**15th International Conference, Coimbra,
Portugal, September 8-12, 2018, Proceedings,
Part I**
**12th International Conference, Held as Part
of the Services Conference Federation, SCF
2019, San Diego, CA, USA, June 25-30, 2019,
Proceedings**
Databases Theory and Applications
Cloud Computing - CLOUD 2019
**Disruptive Technologies for Big Data and
Cloud Applications**

*From the author of the vSphere Clustering
Deep Dive series - The VMware vSphere 6.5
Host Resources Deep Dive is a guide to
building consistent high-performing ESXi
hosts. A book that people can't put down.
Written for administrators, architects,
consultants, aspiring VCDX-es and people
eager to learn more about the elements that
control the behavior of CPU, memory, storage*

and network resources. This book shows that we can fundamentally and materially improve the systems we're building. We can make the currently running ones consistently faster by deeply understanding and optimizing our systems. The reality is that specifics of the infrastructure matter. Details matter. Especially for distributed platforms which abstract resource layers, such as NSX and vSAN. Knowing your systems inside and out is the only way to be sure you've properly handled those details. It's about having a passion for these details. It's about loving the systems we build. It's about understanding them end-to-end. This book explains the concepts and mechanisms behind the physical resource components and the VMkernel resource schedulers, which enables you to: Optimize your workload for current and future Non-Uniform Memory Access (NUMA) systems. Discover how vSphere Balanced Power Management takes advantage of the CPU Turbo Boost functionality, and why High Performance does not. How the 3-DIMMs per Channel configuration results in a 10-20% performance drop. How TLB works and why it is bad to disable large pages in virtualized environments. Why 3D XPoint is perfect for the vSAN caching tier. What queues are and where they live inside the end-to-end storage data paths. Tune VMkernel components to optimize performance for VXLAN network traffic and NFV environments. Why Intel's Data Plane Development Kit significantly

*boosts packet processing performance.
This two-volume set LNICST 254-255
constitutes the post-conference proceedings
of the 14thInternational Conference on
Security and Privacy in Communication
Networks, SecureComm 2018, held in Singapore
in August 2018. The 33 full and 18 short
papers were carefully reviewed and selected
from 108 submissions. The papers are
organized in topical sections on IoT
security, user and data privacy, mobile
security, wireless security, software
security, cloud security, social network and
enterprise security, network security,
applied cryptography, and web security.
В номере:Акселерация шкафовСетевые и
серверные шкафы – один из наиболее дешевых
компонентов ИТ-инфраструктуры, тем не менее
при их покупке заказчики все равно пытаются
сэкономить. Между тем от выбора шкафа во
многом зависит общая стоимость владения
инфраструктурой. Правильно подобранную стойку
проще не только смонтировать, но и
обслуживать впоследствии.Инновационные стойки
и шкафы повышают эффективность ЦОДВажность
для ЦОД стоек и шкафов, занимающих лишь одну
строчку в списке компонентов инфраструктуры,
обычно недооценивают. Как правило, они
выбираются исключительно на основании
стоимости или приобретаются в комплекте с
другим оборудованием, независимо от
особенностей и достоинств данной продукции.
Однако значительное число недавних инноваций
указывает на то, что эти металлоконструкции*

*могут оказать значительное влияние на
плотность центров обработки данных и их
охлаждение.Стойки в ЦОД - ключ к
непрерывности бизнес-процессовПри правильном
проектировании и надлежащем выборе, стойки
являются фундаментальным фактором
бесперебойной работы системы и стратегическим
ресурсом в обеспечении надежности центра
обработки данных. При оценке стоечных систем
менеджеры ЦОД должны обращать внимание на
наличие таких опций, как организация кабелей,
управление воздушными потоками и поддержка ИТ-
оборудования.Оптимизация сетевого
трафикаКорпоративная телефония на 100
пользователей: анализ предложенийРынок ИБП: с
надеждой на развитие ИТ и отложенный
спросTRILL и SPB, краткий обзорБез росчерка
пераи многое другое*
*Unleash the power of Proxmox VE by setting up
a dedicated virtual environment to serve both
containers and virtual machines About This
Book Create virtual machines and containers
from the comfort of your workstation using
Proxmox VE's web-based management interface
Maximize performance, security, and the
quality of virtual services by tailoring
container and virtual machine configurations
based on established best practices Put
theory to practice by deploying virtual
servers that promise portability, modularity,
flexibility, security, and quality of service
at any scale Who This Book Is For This book
is intended for server and system
administrators and engineers who are eager to*

take advantage of the potential of virtual machines and containers to manage servers more efficiently and make the best use of resources, from energy consumption to hardware utilization and physical real estate What You Will Learn Install and configure Proxmox VE Create new virtual machines and containers Import container templates and virtual appliances Optimize virtual machine performance for common use cases Apply the latest security patches to a Proxmox VE host Contrast PVE virtual machines and containers to recognize their respective use cases Secure virtual machines and containers Assess the benefits of virtualization on budgets, server real estate, maintenance, and management time In Detail Proxmox VE 4.1 provides an open source, enterprise virtualization platform on which to host virtual servers as either virtual machines or containers. This book will support your practice of the requisite skills to successfully create, tailor, and deploy virtual machines and containers with Proxmox VE 4.1. Following a survey of PVE's features and characteristics, this book will contrast containers with virtual machines and establish cases for both. It walks through the installation of Proxmox VE, explores the creation of containers and virtual machines, and suggests best practices for virtual disk creation, network configuration, and Proxmox VE host and guest security. Throughout the book, you will navigate the Proxmox VE 4.1

web interface and explore options for command-line management Style and approach This book is a practical exploration of the different processes and procedures, which are essential in beginning your journey to fluent creation and optimization of effective containers and virtual machines.