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# Kappa Engine

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High Speed Diesel Engines, with Special Reference to Automobile and Aircraft Types

NASA Thesaurus Alphabetical Update

Water and Gas Review

NASA Technical Translation

Annual Reports of the War Department

The Aeroplane

Focus On: 100 Most Popular Sedans

Big Data Systems

CONCUR 2013 -- Concurrency Theory

Scientific and Technical Aerospace Reports

NASA Thesaurus

Reports on Efficiency Tests of Hydraulic Dredges Presented at the 89th and 90th

Sessions of the Mississippi River Commission ...

Ontology-Based Information Retrieval for Healthcare Systems

Limited American Sports Cars

Report

Focus On: 100 Most Popular Station Wagons

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Designing Big Data Platforms  
NASA Thesaurus Alphabetical Update  
Gas Engine  
In Defense of Japan  
Increasing Supply Chain Performance in Digital Society  
Machine Learning, Natural Language Processing, and Psychometrics  
Michigan Manufacturer and Financial Record  
Michigan Manufacturer & Financial Record  
NASA Thesaurus Aeronautics Vocabulary  
Uncertainty in Artificial Intelligence  
NASA Technical Memorandum  
Report of the Chief of Engineers U.S. Army  
2016 Passenger Car and 2015 Concept Car Yearbook  
Focus On: 100 Most Popular Compact Cars  
Heron Streaming  
Development of Sounding Rockets in Japan  
Classic Car  
Practical Real-time Data Processing and Analytics

The Night Layer E According to Observations at the Observatory on Dikson Island  
NASA Thesaurus Aeronautics Vocabulary  
InfoWorld  
Practical Hadoop Migration

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## **NEAL RODGERS**

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High Speed Diesel  
Engines, with Special  
Reference to Automobile  
and Aircraft Types CRC  
Press

A practical guide to help  
you tackle different real-  
time data processing and  
analytics problems using  
the best tools for each

scenario About This Book  
Learn about the various  
challenges in real-time  
data processing and use  
the right tools to  
overcome them This book  
covers popular tools and  
frameworks such as  
Spark, Flink, and Apache  
Storm to solve all your  
distributed processing  
problems A practical  
guide filled with  
examples, tips, and tricks  
to help you perform

efficient Big Data  
processing in real-time  
Who This Book Is For If  
you are a Java developer  
who would like to be  
equipped with all the tools  
required to devise an end-  
to-end practical solution  
on real-time data  
streaming, then this book  
is for you. Basic  
knowledge of real-time  
processing would be  
helpful, and knowing the  
fundamentals of Maven,

Shell, and Eclipse would be great. What You Will Learn Get an introduction to the established real-time stack Understand the key integration of all the components Get a thorough understanding of the basic building blocks for real-time solution designing Garnish the search and visualization aspects for your real-time solution Get conceptually and practically acquainted with real-time analytics Be well equipped to apply the knowledge and create your own solutions In

Detail With the rise of Big Data, there is an increasing need to process large amounts of data continuously, with a shorter turnaround time. Real-time data processing involves continuous input, processing and output of data, with the condition that the time required for processing is as short as possible. This book covers the majority of the existing and evolving open source technology stack for real-time processing and analytics. You will get to know about all the real-time solution

aspects, from the source to the presentation to persistence. Through this practical book, you'll be equipped with a clear understanding of how to solve challenges on your own. We'll cover topics such as how to set up components, basic executions, integrations, advanced use cases, alerts, and monitoring. You'll be exposed to the popular tools used in real-time processing today such as Apache Spark, Apache Flink, and Storm. Finally, you will put your knowledge to practical

use by implementing all of the techniques in the form of a practical, real-world use case. By the end of this book, you will have a solid understanding of all the aspects of real-time data processing and analytics, and will know how to deploy the solutions in production environments in the best possible manner. *Style and Approach* In this practical guide to real-time analytics, each chapter begins with a basic high-level concept of the topic, followed by a practical, hands-on

implementation of each concept, where you can see the working and execution of it. The book is written in a DIY style, with plenty of practical use cases, well-explained code examples, and relevant screenshots and diagrams.

*NASA Thesaurus*

*Alphabetical Update* SAE International

*In Defense of Japan* provides the first complete, up-to-date, English-language account of the history, politics, and policy of Japan's strategic space

development. The dual-use nature of space technologies, meaning that they cut across both market and military applications, has had two important consequences for Japan. First, Japan has developed space technologies for the market in its civilian space program that have yet to be commercially competitive. Second, faced with rising geopolitical uncertainties and in the interest of their own economics, the makers of such technologies have been

critical players in the shift from the market to the military in Japan's space capabilities and policy. This book shows how the sum total of market-to-military moves across space launch vehicles, satellites and spacecraft, and emerging related technologies, already mark Japan as an advanced military space power.

*Water and Gas Review*

Apress

DESIGNING BIG DATA PLATFORMS Provides expert guidance and valuable insights on

getting the most out of Big Data systems An array of tools are currently available for managing and processing data—some are ready-to-go solutions that can be immediately deployed, while others require complex and time-intensive setups. With such a vast range of options, choosing the right tool to build a solution can be complicated, as can determining which tools work well with each other. Designing Big Data Platforms provides clear

and authoritative guidance on the critical decisions necessary for successfully deploying, operating, and maintaining Big Data systems. This highly practical guide helps readers understand how to process large amounts of data with well-known Linux tools and database solutions, use effective techniques to collect and manage data from multiple sources, transform data into meaningful business insights, and much more. Author Yusuf Aytas, a

software engineer with a vast amount of big data experience, discusses the design of the ideal Big Data platform: one that meets the needs of data analysts, data engineers, data scientists, software engineers, and a spectrum of other stakeholders across an organization. Detailed yet accessible chapters cover key topics such as stream data processing, data analytics, data science, data discovery, and data security. This real-world manual for Big Data technologies: Provides up-

to-date coverage of the tools currently used in Big Data processing and management Offers step-by-step guidance on building a data pipeline, from basic scripting to distributed systems Highlights and explains how data is processed at scale Includes an introduction to the foundation of a modern data platform Designing Big Data Platforms: How to Use, Deploy, and Maintain Big Data Systems is a must-have for all professionals working with Big Data, as

well researchers and students in computer science and related fields. *NASA Technical Translation Packt Publishing Ltd* Introduces concepts and evolution of Big Data technology. Illustrates examples for thorough understanding. Contains programming examples for hands on development. Explains a variety of topics including NoSQL Systems, NewSQL systems, Security, Privacy, Networking, Cloud, High Performance Computing, and Deep

Learning. Exemplifies widely used big data technologies such as Hadoop and Spark. Includes discussion on case studies and open issues. Provides end of chapter questions for enhanced learning

**Annual Reports of the War Department**

Springer

InfoWorld is targeted to Senior IT professionals. Content is segmented into Channels and Topic Centers. InfoWorld also celebrates people, companies, and projects. *The Aeroplane* IGI Global

Re-architect relational applications to NoSQL, integrate relational database management systems with the Hadoop ecosystem, and transform and migrate relational data to and from Hadoop components. This book covers the best-practice design approaches to re-architecting your relational applications and transforming your relational data to optimize concurrency, security, denormalization, and performance. Winner of IBM's 2012 Gerstner Award for his

implementation of big data and data warehouse initiatives and author of *Practical Hadoop Security*, author Bhushan Lakhe walks you through the entire transition process. First, he lays out the criteria for deciding what blend of re-architecting, migration, and integration between RDBMS and HDFS best meets your transition objectives. Then he demonstrates how to design your transition model. Lakhe proceeds to cover the selection criteria for ETL tools, the implementation steps for



migration with SQOOP- and Flume-based data transfers, and transition optimization techniques for tuning partitions, scheduling aggregations, and redesigning ETL. Finally, he assesses the pros and cons of data lakes and Lambda architecture as integrative solutions and illustrates their implementation with real-world case studies. Hadoop/NoSQL solutions do not offer by default certain relational technology features such as role-based access control, locking for

concurrent updates, and various tools for measuring and enhancing performance. Practical Hadoop Migration shows how to use open-source tools to emulate such relational functionalities in Hadoop ecosystem components. What You'll Learn Decide whether you should migrate your relational applications to big data technologies or integrate them Transition your relational applications to Hadoop/NoSQL platforms in terms of logical design and physical

implementation Discover RDBMS-to-HDFS integration, data transformation, and optimization techniques Consider when to use Lambda architecture and data lake solutions Select and implement Hadoop-based components and applications to speed transition, optimize integrated performance, and emulate relational functionalities Who This Book Is For Database developers, database administrators, enterprise architects, Hadoop/NoSQL developers, and IT

leaders. Its secondary readership is project and program managers and advanced students of database and management information systems.

*Focus On: 100 Most Popular Sedans IAP*

This book provides both a basic understanding of stream processing in general, and practical guidance for development and research with Apache Heron in particular. It delivers to developers of streaming applications basic and systematic knowledge about Heron,

which is today only scattered across project documents, technique blogs and code snippets on the Web. The book is organized in four parts: Part I describes basic knowledge about stream processing, Apache Storm, and Apache Heron (Incubating), and also introduces the Heron source repository. Part II then goes into details and describes two data models to write Heron topologies and often used topology features, including stateful processing. This part is

especially targeted at software developers who write topologies using Heron APIs. Next, part III describes Heron tools, including the command-line interface and the user interface, needed to manage a single topology or multiple topologies in a data center. This part is particularly aimed at operators who deploy and manage running jobs. Eventually, part IV describes the Heron source code and how to customize or extend Heron. This part is especially suggested for

software engineers who would like to contribute code to the Heron repository and who are curious about Heron insights. Overall, this book aims at professionals who want to process streaming data based on Apache Heron. A basic knowledge of Java and Bash commands for Linux is assumed.

*Big Data Systems e-artnow sro*

Currently, the main operations of companies are either directly or indirectly interconnected in a global-world context.

Competition has drifted from an individual to a supply chain basis, where digitalization plays a key role. Companies with better digital capabilities achieve sustainable competitive market advantages. In this context, companies must identify their current position in terms of digital capabilities, link these capabilities to supply chain performance, define their future desired competitive position and how their digital capabilities are going to help them to get there,

and forecast their future desired performance not only at the individual company but also at the supply chain level. Increasing Supply Chain Performance in Digital Society considers innovative approaches to measure, manage, and project towards the future of the digital capabilities of both individual companies and supply chains. It also examines the relations these have with performance being a practical tool to identify not only where they are today in terms of digital

capabilities but also where they should be long term and the resources needed to get them there. Covering a range of topics such as artificial intelligence and risk management, this reference work is ideal for practitioners, researchers, scholars, business owners, industry professionals, academicians, instructors, and students.

CONCUR 2013 --  
Concurrency Theory e-  
artnow sro

With the exponential increase of digital

assessment, different types of data in addition to item responses become available in the measurement process.

One of the salient features in digital assessment is that process data can be easily collected. This non-conventional structured or unstructured data source may bring new perspectives to better understand the assessment products or accuracy and the process how an item product was attained. The analysis of the conventional and non-

conventional assessment data calls for more methodology other than the latent trait modeling. Natural language processing (NLP) methods and machine learning algorithms have been successfully applied in automated scoring. It has been explored in providing diagnostic feedback to test-takers in writing assessment. Recently, machine learning algorithms have been explored for cheating detection and cognitive diagnosis. When the measurement field

promote the use of assessment data to provide feedback to improve teaching and learning, it is the right time to explore new methodology and explore the value added from other data sources. This book presents the use cases of machine learning and NLP in improving the assessment theory and practices in high-stakes summative assessment, learning, and instruction. More specifically, experts from the field addressed the topics related to automated item

generations, automated scoring, automated feedback in writing, explainability of automated scoring, equating, cheating and alarming response detection, adaptive testing, and applications in science assessment. This book demonstrates the utility of machine learning and NLP in assessment design and psychometric analysis. *Scientific and Technical Aerospace Reports* e-artnow sro This book constitutes the thoroughly refereed

proceedings of the 24th International Conference on Concurrency Theory, CONCUR 2013, held in Buenos Aires, Argentina, August 27-30, 2013. The 34 revised full papers presented together with 4 invited talks were carefully reviewed and selected from 115 submissions. The papers are organized in topics such as process semantics and modal transition systems, VAS and pushdown systems, Pi calculus and interaction nets, linearizability and verification of concurrent

programs, verification of infinite models, model measure and reversibility, stochastic models, message-based interaction processes, principles of automatic verification, and games and control synthesis.

### **NASA Thesaurus**

Lulu.com

This book covers American Sports Cars built in limited numbers, over a limited number of years. They were built in an effort to rival the best of sports cars from the UK and Europe and were also for a time rivals to

Americas only continuously built sports car, the Corvette. *Reports on Efficiency Tests of Hydraulic Dredges Presented at the 89th and 90th Sessions of the Mississippi River Commission ...* Stanford University Press  
Carmakers release new models every year with advanced technology to attract consumer interest and to satisfy increasingly stringent government regulations. Some of these technologies are firsts or leading-edge, and they start trends that

more companies will soon follow. Snapshots of the direction of the automotive industry, along with OEM and supplier perspectives, are presented in these articles that have been collected by the Editors of Automotive Engineering whose aim is to provide the reader with a complete overview of the key advances that took place over the course of one model year. • Provides a single source for information on the key engineering trends of one year. • Allows the reader

to skip to chapters that cover specific car models that interest them, or read about all models from beginning to end. • Includes plenty of big, full-color images and the facts about the most recent technology and engineering innovations. Each car manufacturer has its own chapter exploring new models in-depth. The yearly trends and innovations that make the automotive industry fascinating to both the engineer and the customer are all captured in the imagery and easy-

reading of this full-color book.

*Ontology-Based Information Retrieval for Healthcare Systems*

Penguin

"When I see an Alfa Romeo, I lift my hat." Henry Ford Few things ignite such reverence as a classic car. With more than 250 iconic models from the 1940s to the 1980s, photographed from every angle, this title is a glorious celebration of the stars in the classic car firmament. Edited by award-winning automotive journalist

Giles Chapman, *Classic Car* brings you the story of more than 20 great marques, including household names Bentley, Mercedes, Ferrari, Cadillac, and Aston Martin. Its lavish photography reveals every detail in close-ups of models that range from the 1940s giant two-ton Daimler DE36, which ferried royals about in style, through to sleek Ferraris from the 1980s capable of smashing the 200mph barrier. It puts you in the driving seat of such icons as the

Chevrolet Corvette, the Ford Thunderbird, and the Mercedes 300SL and brings you the designers of these amazing machines and the story of their manufacturers. Whether you dream of owning one of these super-cool cars or you are a collector already, *Classic Car* is set to become a treasured favorite.

**Limited American**

**Sports Cars** Springer  
Nature

Uncertainty Proceedings  
1994

*Report* John Wiley & Sons

Includes the Report of the Mississippi River Commission, 1881-19 .  
Focus On: 100 Most Popular Station Wagons  
John Wiley & Sons  
With the advancements of semantic web, ontology has become the crucial mechanism for representing concepts in various domains. For research and dispersal of customized healthcare services, a major challenge is to efficiently retrieve and analyze individual patient data from a large volume of heterogeneous data over

a long time span. This requirement demands effective ontology-based information retrieval approaches for clinical information systems so that the pertinent information can be mined from large amount of distributed data. This unique and groundbreaking book highlights the key advances in ontology-based information retrieval techniques being applied in the healthcare domain and covers the following areas: Semantic data integration in e-



health care systems

Keyword-based medical  
information retrieval

Ontology-based query  
retrieval support for e-

health implementation  
Ontologies as a database  
management system

technology for medical  
information retrieval

Information integration  
using contextual

knowledge and ontology  
merging Collaborative

ontology-based

information indexing and  
retrieval in health

informatics An ontology-  
based text mining  
framework for

vulnerability assessment  
in health and social care

An ontology-based multi-  
agent system for

matchmaking patient  
healthcare monitoring A

multi-agent system for  
querying heterogeneous

data sources with  
ontologies for reducing

cost of customized  
healthcare systems A

methodology for ontology  
based multi agent

systems development

Ontology based systems  
for clinical systems:

validity, ethics and  
regulation

**The Semi-centennial  
Alumni Record of  
Purdue University**

Elsevier

Annual Report of the Chief  
of Engineers to the  
Secretary of War for the  
Year ...

Designing Big Data  
Platforms

**NASA Thesaurus**

**Alphabetical Update**