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Developer Guide

Cognos Tm1 Developer Guide

This book is for those Splunk developers who want to learn advanced strategies to deal with big data from an

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enterprise

architectural

perspective. You

need to have

good working

knowledge of

Splunk.

Written as a

practical guide,

this book will

show you how to

manage your

reporting

environment

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using IBM Cognos
10 and make the
most out of BI
tools within
your business -
taking a hands-
on approach to
stimulate
learning and
develop your
understanding,
If you are an
IBM Cognos or
Business

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Intelligence
developer or
consultant, have
a basic
knowledge of
Cognos 10 BI and
a good level of
understanding of
Cognos 8 then
this book is for
you
SAP is a market
leader in
enterprise

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business
application
software. SAP
solutions
provide a rich
set of
composable
application
modules, and
configurable
functional
capabilities
that are
expected from a

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comprehensive
enterprise
business
application
software suite.
In most cases,
companies that
adopt SAP
software remain
heterogeneous
enterprises
running both SAP
and non-SAP
systems to

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support their
business
processes.

Regardless of
the specific
scenario, in
heterogeneous
enterprises most
SAP

implementations
must be
integrated with
a variety of non-
SAP enterprise

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systems: Portals
Messaging
infrastructure
Business process
management (BPM)
tools Enterprise
Content
Management (ECM)
methods and
tools Business
analytics (BA)
and business
intelligence
(BI)

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technologies
Security Systems
of record
Systems of
engagement The
tooling included
with SAP
software
addresses many
needs for
creating SAP-
centric
environments.
However, the

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classic approach
to implementing
SAP

functionality
generally leaves
the business
with a rigid
solution that is
difficult and
expensive to
change and
enhance. When
SAP software is
used in a large,

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heterogeneous
enterprise
environment, SAP
clients face the
dilemma of
selecting the
correct set of
tools and
platforms to
implement SAP
functionality,
and to integrate
the SAP
solutions with

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non-SAP systems.

This IBM®

Redbooks®

publication

explains the

value of

integrating IBM

software with

SAP solutions.

It describes how

to enhance and

extend pre-built

capabilities in

SAP software

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with best-in-class IBM enterprise software, enabling clients to maximize return on investment (ROI) in their SAP investment and achieve a balanced enterprise architecture

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approach. This book describes IBM Reference Architecture for SAP, a prescriptive blueprint for using IBM software in SAP solutions. The reference architecture is focused on defining the use

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of IBM software with SAP, and is not intended to address the internal aspects of SAP components. The chapters of this book provide a specific reference architecture for many of the architectural

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domains that are each important for a large enterprise to establish common strategy, efficiency, and balance. The majority of the most important architectural domain topics, such as integration,

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process

optimization,

master data

management,

mobile access,

Enterprise

Content

Management,

business

intelligence,

DevOps,

security,

systems

monitoring, and

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so on, are covered in the book. However, there are several other architectural domains which are not included in the book.

This is not to imply that these other architectural domains are not

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important or are less important, or that IBM does not offer a solution to address them. It is only reflective of time constraints, available resources, and the complexity of assembling a

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book on an extremely broad topic. Although more content could have been added, the authors feel confident that the scope of architectural material that has been included should provide

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organizations
with a fantastic
head start in
defining their
own enterprise
reference
architecture for
many of the
important
architectural
domains, and it
is hoped that
this book
provides great

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value to those
reading it. This
IBM Redbooks
publication is
targeted to the
following
audiences:
Client decision
makers and
solution
architects
leading
enterprise
transformation

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projects and
wanting to gain
further insight
so that they can
benefit from the
integration of
IBM software in
large-scale SAP
projects. IT
architects and
consultants
integrating IBM
technology with
SAP solutions.

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Developing a successful game in today's market is a challenging endeavor.

Thousands of titles are published yearly, all competing for players' time and attention. Game analytics

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has emerged in the past few years as one of the main resources for ensuring game quality, maximizing success, understanding player behavior and enhancing the quality of the player

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experience. It has led to a paradigm shift in the development and design strategies of digital games, bringing data-driven intelligence practices into the fray for informing

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decision making
at operational,
tactical and
strategic
levels. Game
Analytics -
Maximizing the
Value of Player
Data is the
first book on
the topic of
game analytics;
the process of
discovering and

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communicating
patterns in data
towards
evaluating and
driving action,
improving
performance and
solving problems
in game
development and
game research.
Written by over
50 international
experts from

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industry and research, it covers a comprehensive range of topics across more than 30 chapters, providing an in-depth discussion of game analytics and its practical applications. Topics covered

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include
monetization
strategies,
design of
telemetry
systems,
analytics for
iterative
production, game
data mining and
big data in game
development,
spatial
analytics,

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visualization
and reporting of
analysis, player
behavior
analysis,
quantitative
user testing and
game user
research. This
state-of-the-art
volume is an
essential source
of reference for
game developers

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and researchers.

Key takeaways
include:

Thorough
introduction to
game analytics;
covering
analytics
applied to data
on players,
processes and
performance
throughout the
game lifecycle.

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In-depth coverage and advice on setting up analytics systems and developing good practices for integrating analytics in game-development and -management. Contributions by leading

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researchers and
experienced
professionals
from the
industry,
including
Ubisoft, Sony,
EA, Bioware,
Square Enix,
THQ, Volition,
and
PlayableGames.
Interviews with
experienced

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industry professionals on how they use analytics to create hit games.

Leverage the power of statistics for Data Analysis, Classification, Regression, Machine Learning, and

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Neural Networks
SysML Distilled
Optimization and
Decision Support
Design Guide:
Using IBM ILOG
Optimization
Decision Manager
IBM DB2 9.7
Advanced
Administration
Cookbook
IBM Cognos
Business

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Intelligence v10

Master the craft of predictive modeling in R by developing strategy, intuition, and a solid foundation in essential concepts
About This Book
Grasping the major methods of predictive modeling and

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***moving beyond
black box thinking
to a deeper level of
understanding
Leveraging the
flexibility and
modularity of R to
experiment with a
range of different
techniques and
data types Packed
with practical
advice and tips
explaining***

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***important concepts
and best practices
to help you
understand quickly
and easily Who
This Book Is For
Although budding
data scientists,
predictive
modelers, or
quantitative
analysts with only
basic exposure to
R and statistics***

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will find this book to be useful, the experienced data scientist professional wishing to attain master level status , will also find this book extremely valuable.. This book assumes familiarity with the fundamentals of R, such as the main

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data types, simple functions, and how to move data around. Although no prior experience with machine learning or predictive modeling is required, there are some advanced topics provided that will require more than novice

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**exposure. What
You Will Learn
Master the steps
involved in the
predictive
modeling process
Grow your
expertise in using
R and its diverse
range of packages
Learn how to
classify predictive
models and
distinguish which**

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**models are
suitable for a
particular problem
Understand steps
for tidying data
and improving the
performing metrics
Recognize the
assumptions,
strengths, and
weaknesses of a
predictive model
Understand how
and why each**

***predictive model
works in R Select
appropriate
metrics to assess
the performance of
different types of
predictive model
Explore word
embedding and
recurrent neural
networks in R Train
models in R that
can work on very
large datasets In***

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Detail R offers a free and open source environment that is perfect for both learning and deploying predictive modeling solutions. With its constantly growing community and plethora of packages, R offers

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the functionality to deal with a truly vast array of problems. The book begins with a dedicated chapter on the language of models and the predictive modeling process. You will understand the learning curve and the process of

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tidying data. Each subsequent chapter tackles a particular type of model, such as neural networks, and focuses on the three important questions of how the model works, how to use R to train it, and how to measure and assess its

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**performance using
real-world
datasets. How do
you train models
that can handle
really large
datasets? This
book will also show
you just that.
Finally, you will
tackle the really
important topic of
deep learning by
implementing**

**applications on
word embedding
and recurrent
neural networks.
By the end of this
book, you will have
explored and
tested the most
popular modeling
techniques in use
on real- world
datasets and
mastered a diverse
range of**

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***techniques in
predictive
analytics using R.
Style and approach
This book takes a
step-by-step
approach in
explaining the
intermediate to
advanced concepts
in predictive
analytics. Every
concept is
explained in depth,***

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***supplemented with
practical examples
applicable in a real-
world setting.
Learn effective
tools and
techniques to
separate big data
into manageable
and logical
components for
efficient data
visualization About
This Book This***

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***unique guide
teaches you how to
visualize your
cluttered, huge
amounts of big
data with ease It is
rich with ample
options and solid
use cases for big
data visualization,
and is a must-have
book for your shelf
Improve your
decision-making by***

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***visualizing your big data the right way
Who This Book Is For This book is for data analysts or those with a basic knowledge of big data analysis who want to learn big data visualization in order to make their analysis more useful. You need sufficient***

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knowledge of big data platform tools such as Hadoop and also some experience with programming languages such as R. This book will be great for those who are familiar with conventional data visualizations and now want to widen their horizon

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by exploring big data visualizations. What You Will Learn Understand how basic analytics is affected by big data Deep dive into effective and efficient ways of visualizing big data Get to know various approaches (using various

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***technologies) to
address the
challenges of
visualizing big data
Comprehend the
concepts and
models used to
visualize big data
Know how to
visualize big data
in real time and for
different use cases
Understand how to
integrate popular***

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***dashboard
visualization tools
such as Splunk and
Tableau Get to
know the value
and process of
integrating visual
big data with BI
tools such as
Tableau Make
sense of the
visualization
options for big
data, based upon***

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***the best suited
visualization
techniques for big
data In Detail
When it comes to
big data, regular
data visualization
tools with basic
features become
insufficient. This
book covers the
concepts and
models used to
visualize big data,***

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***with a focus on
efficient
visualizations. This
book works around
big data
visualizations and
the challenges
around visualizing
big data and
address
characteristic
challenges of
visualizing like
speed in accessing,***

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understanding/adding context to, improving the quality of the data, displaying results, outliers, and so on. We focus on the most popular libraries to execute the tasks of big data visualization and explore "big data oriented" tools such as

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Hadoop and Tableau. We will show you how data changes with different variables and for different use cases with step-through topics such as: importing data to something like Hadoop, basic analytics. The choice of

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visualizations depends on the most suited techniques for big data, and we will show you the various options for big data visualizations based upon industry-proven techniques. You will then learn how to integrate

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**popular
visualization tools
with graphing
databases to see
how huge amounts
of certain data.
Finally, you will
find out how to
display the
integration of
visual big data
with BI using
Cognos BI. Style
and approach With**

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***the help of
insightful real-
world use cases,
we'll tackle data in
the world of big
data. The
scalability and
hugeness of the
data makes big
data visualizations
different from
normal data
visualizations, and
this book***

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addresses all the difficulties encountered by professionals while visualizing their big data.

Presented in a hands-on style, this guide presents you with real world examples to guide you through every process step by step. This book will

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be useful for any developer, novice or expert, who uses Framework Manager to build packages, but wants to expand their knowledge even further.

This book covers the most critical 24 NFRs that are applicable to IT applications and

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**systems. About
This Book Explains
three stages of
nonfunctional
requirements, that
is, analysis,
architecture, and
assessment In-
depth knowledge
of NFR framework
and taxonomy that
provides guidance
around the
modelling phase**

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**for the NFRs
Coverage of 24
critical and pivotal
NFRs, including the
analysis,
architecture, and
assessment. Who
This Book Is For
The primary
audience for this
title are the gamut
of roles starting
from IT consultant
to chief architects**

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who are responsible to deliver strategic, tactical, and operational engagements for fortune 100 customers worldwide. Nonfunctional requirements are the key to any software / IT program. They

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cannot be overlooked or ignored. The book provides a comprehensive approach from analysis, architecture, and measurement of nonfunctional requirements. The book includes considerations for bespoke (Java,

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**.Net, and COTS applications).
These are applicable to IT applications from various domains. The book outlines the methodology for capturing the NFRs and also describes a framework that can be leveraged by analysts and**

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**architects for
tackling NFRs for
various
engagements. The
audience for this
book include
business analysts,
enterprise
architects,
business
architects, solution
architects,
technical architect
s/designers, domai**

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***n/security/integrati
on architects,
software
developers,
support engineers
and test engineers,
technical project
managers, project
leads/technical
leads/technical
project managers,
and students from
the computer
science/IT stream***

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**What You Will
Learn Learn
techniques related
to the analysis,
architecture, and
monitoring of NFRs
Understand the
various tools,
techniques, and
processes in order
to improve the
overall quality of
the desired
outcomes Embrace**

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***the best practices
of architecting,
metrics, and
success factors for
NFRs Identify the
common pitfalls to
be avoided and the
patterns to
leverage
Understand
taxonomy and
framework for
NFRs Learn the
design guidelines***

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for architecting applications and systems relating to NFRs Abstract different methodologies to analyze and gather NFRs In Detail Non-functional Requirements are key to any software/IT program and cannot be

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overlooked or ignored. This book provides a comprehensive approach to the analysis, architecture, and measurement of NFRs. It includes considerations for bespoke Java, .NET, and COTS applications that are applicable to IT

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applications/systems in different domains. The book outlines the methodology for capturing the NFRs and also describes a framework that can be leveraged by analysts and architects for tackling NFRs for various engagements. This

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book starts off by explaining the various KPIs, taxonomies, and methods for identifying NFRs. Learn the design guidelines for architecting applications and systems relating to NFRs and design principles to achieve the

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desired outcome. We will then move on to various key tiers/layers and patterns pertaining to the business, database, and integrating tiers. After this, we will dive deep into the topics pertaining to techniques related to

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monitoring and measurement of NFRs, such as sizing, analytical modeling, and quality assurance. Lastly, we end the book by describing some pivotal NFRs and checklists for the software quality attributes related to the business,

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application, data, and infrastructure domains. Style and approach The book takes a pragmatic approach, describing various techniques related to the analysis of NFRs, the architecture of NFRs, and assessment of NFRs.

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***Practical Django 2
and Channels 2
Building Projects
and Applications
with Real-Time
Capabilities
IBM Cognos
Business
Intelligence 10. 1
Dashboarding
Cookbook
Using zEnterprise
for Smart
Analytics: Volume***

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2 Implementation
The Complete
Guide

*The Systems
Modeling Language
(SysML) extends
UML with powerful
systems
engineering
capabilities for
modeling a wider
spectrum of
systems and
capturing all*

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*aspects of a
system's design.
SysML Distilled is
the first clear,
concise guide for
everyone who
wants to start
creating effective
SysML models.
(Drawing on his
pioneering
experience at
Lockheed Martin
and NASA, Lenny*

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Delligatti

*illuminates SysML's
core components
and provides
practical advice to
help you create
good models and
good designs.*

*Delligatti begins
with an easy-to-
understand
overview of Model-
Based Systems
Engineering (MBSE)*

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and an explanation of how SysML enables effective system specification, analysis, design, optimization, verification, and validation. Next, he shows how to use all nine types of SysML diagrams, even if you have no previous

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experience with modeling languages. A case study running through the text demonstrates the use of SysML in modeling a complex, real-world sociotechnical system. Modeled after Martin Fowler's classic

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*UML Distilled,
Delligatti's
indispensable
guide quickly
teaches you what
you need to know
to get started and
helps you deepen
your knowledge
incrementally as
the need arises.
Like SysML itself,
the book is method
independent and is*

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designed to support whatever processes, procedures, and tools you already use. Coverage Includes Why SysML was created and the business case for using it Quickly putting SysML to practical use What to know before you start a

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*SysML modeling
project Essential
concepts that
apply to all SysML
diagrams SysML
diagram elements
and relationships
Diagramming block
definitions, internal
structures, use
cases, activities,
interactions, state
machines,
constraints,*

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requirements, and packages Using allocations to define mappings among elements across a model SysML notation tables, version changes, and sources for more information

*This IBM®
Redbooks®
publication series*

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*explains the
assessment and
implementation of
a workload,
integrated within
IBM Smarter
Banking®
Showcase, and
hosted at IBM
Montpellier,
France. Intended
for decision-
makers,
consultants,*

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*architects,
administrators, and
specialists, this
book is the second
volume in a series
of two:*

Assessment:

Volume 1

(SG24-8007)

describes how to

evaluate the

requirements of a

new Smarter

Analytics workload,

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addressing the user, system resources, and data processing profiles to identify the most optimal configuration by using IBM methodologies, such as fit-for-purpose. Given that the existing showcase is based on the IBM

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*zEnterprise®
System,
deployment
options include IBM
z/OS®, Linux on
IBM System z®,
IBM AIX® running
on IBM POWER®
processor-based
blades within the
zEnterprise
BladeCenter®
Extension (zBX),
and Windows*

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Server 2008

*running on System
x® and*

*BladeCenter blades
also within zBX.*

*Implementation:
Volume 2*

*(SG24-8008), which
you are reading,
describes the
setups that are
involved in*

*deploying the
Smarter Analytics*

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*workload within the
showcase. With
multiple
components,
including IBM
Cognos® BI, IBM
Cognos TM1®,
Cognos Metric
Studio, IBM DB2®
for z/OS, and a
number of
application design
tools, the workload
spans multiple*

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operating environments. The use of application clustering, setting up performance policies by using Unified Resource Manager, and simulation test execution results are included. Splunk is a type of analysis and reporting software

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for analyzing machine-generated Big Data. It captures, indexes, and correlates real-time data in a searchable repository from which it can generate graphs, reports, alerts, dashboards, and visualizations. It aims to make

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*machine data
accessible across
an organization for
a variety of
purposes.*

*Implementing
Splunk Second
Edition is a
learning guide that
introduces you to
all the latest
features and
improvements of
Splunk 6.2. The*

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book starts by introducing you to various concepts such as charting, reporting, clustering, and visualization. Every chapter is dedicated to enhancing your knowledge of a specific concept, including data models and pivots,

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speeding up your queries, backfilling, data replication, and so on. By the end of the book, you'll have a very good understanding of Splunk and be able to perform efficient data analysis.

If you are a business user or data professional,

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this book will give you a solid grounding in the use of TIBCO Spotfire. This book assumes no prior knowledge of Spotfire or even basic data and visualization concepts.

*IBM Cognos 8
Planning*

IBM Cognos

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Dynamic Cubes

IBM Cognos 8

Report Studio

Cookbook

Big Data

Visualization

IBM Cognos 10

Framework

Manager

The ultimate

guide to

successful

interviews for

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Enterprise,
Business,
Domain,
Solution, and
Technical
Architect
roles as well
as IT Advisory
Consultant and
Software
Designer roles
About This

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Book Learn
about
Enterprise
Architects IT
strategy and
NFR – this
book provides
you with
methodologies,
best
practices, and
frameworks to

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ace your
interview A
holistic view
of key
architectural
skills and
competencies
with 500+
questions that
cover 12
domains 100+
diagrams

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depicting
scenarios,
models, and
methodologies
designed to
help you
prepare for
your interview
Who This Book
Is For This
book is for
aspiring

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enterprise,
business,
domain,
solution, and
technical
architects. It
is also ideal
for IT
advisory
consultants
and IT
designers who

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wish to

interview for
such a role.

Interviewers
will be able
leverage this
book to make
sure they hire
candidates
with the right
competencies
to meet the

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role

requirements.

What You Will

Learn Learn

about IT

strategies,

NFR,

methodologies,

best

practices, and

frameworks to

ace your

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interview Get
a holistic
view of key
concepts,
design
principles,
and patterns
related to
evangelizing
web and Java
enterprise
applications

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coverage of
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attends
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projects
during the
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This book is
an interview
resource
created for
designers,
consultants,
technical,

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solution,
domain,
enterprise,
and chief
architects to
help them
perform well
in interview
discussions
and launch a
successful
career. The

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book begins by providing descriptions of architecture skills and competencies that cover the 12 key domains, including 350+ questions

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relating to
these domains.
The goal of
this book is
to cover all
the core
architectural
domains. From
an architect's
perspective,
it is
impossible to

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revise or
learn about
all these key
areas without
a good
reference
guide - this
book is the
solution. It
shares
experiences,
learning,

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insights, and
proven
methodologies
that will
benefit
practitioners,
SMEs, and
aspirants in
the long run.
This book will
help you
tackle the NFR

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domain, which is a key aspect pertaining to architecting applications. It typically takes years to understand the core concepts, fundamentals, patterns, and

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principles
related to
architecture
and designs.
This book is a
goldmine for
the typical
questions
asked during
an interview
and will help
prepare you

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Style and
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book will help
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profiles by
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likely
questions,

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answers. It is
an insight-
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that will help
you develop
strategic,
tactical, and
operational
thinking for
your

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What do you know about your data? And how do you know what you know about your data? Information governance initiatives address

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corporate concerns about the quality and reliability of information in planning and decision-making processes.

Metadata management refers to the

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tools,

processes, and

environment

that are

provided so

that

organizations

can reliably

and easily

share, locate,

and retrieve

information

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from these
systems. Enter
prise-wide
information
integration
projects
integrate data
from these
systems to one
location to
generate
required

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reports and
analysis.

During this
type of
implementation
process,
metadata
management
must be
provided along
each step to
ensure that

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the final reports and analysis are from the right data sources, are complete, and have quality. This IBM® Redbooks® publication introduces the information

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governance
initiative and
highlights the
immediate
needs for
metadata
management. It
explains how
IBM
InfoSphere™
Information
Server

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provides a single unified platform and a collection of product modules and components so that organizations can understand, cleanse,

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transform, and deliver trustworthy and context-rich information. It describes a typical implementation process. It explains how InfoSphere

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Server

provides the functions that are required to implement such a solution and, more importantly, to achieve metadata

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management.

This book is
for business
leaders and IT
architects
with an
overview of
metadata
management in
information
integration
solution

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space. It also provides key technical details that IT professionals can use in a solution planning, design, and implementation process.

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There are a lot of different ways to go live with a BW on HANA system - do you know which path to take? Whether you're performing a new

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installation,
a sidecar
installation,
or a full
migration,
this book
shows you how
to choose the
right scenario
and perform
the necessary
steps to

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accomplish it

- from

creating HANA-

optimized

cubes to

reporting.

The only

official guide

to building

effective

business

solutions with

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TM1 from IBM
Cognos IBM
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The Official
Guide offers
complete
coverage of
the 64-bit in-
memory online
analytical
processing
(OLAP) engine.

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Based on the newest release, TM1 10, this official guide offers an advanced tutorial for TM1 concepts from a technical and a business

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point of view.

The authors,
members of the
TM1 team,
provide
typical
business
examples and
technical
insights for
building
practical

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solutions,
based on their
own
experiences.
Emphasis is
placed on
teaching best
practices and
expanding
skills to
learn the more
powerful

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capabilities of TM1. The book covers analytical processing, data entry, simulation, workflow components, and more. IBM Cognos TM1:
The Official

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Guide: The first and only officially endorsed book on IBM Cognos TM1 Written by members of IBM Cognos TM1 team with combined experience of 50 years with

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the product
Provides
working
solutions for
relevant
business
problems
Offers deep
insights into
the most
powerful and
undocumented

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capabilities

of TM1

Explains how

to build

actionable

business

intelligence

Implementing

Splunk

IBM Cognos TM1

Cookbook

Big Data

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Beyond the
Hype
Game Analytics
IBM Cognos
Business
Intelligence
V10.1 Handbook
*Maximize the
Value of
Business
Intelligence
with IBM Cognos
v10 -- Hands-on,*
Page 151/275

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*from Start to
Finish This easy-
to-use, hands-on
guide brings
together all the
information and
insight you need
to drive maximum
business value
from IBM Cognos
v10. Long-time
IBM Cognos
expert and
product designer*

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Sangeeta Gautam

*thoroughly
illuminates*

*Cognos BI v10's
key*

capabilities:

*analysis, query,
reporting, and
dashboards.*

*Gautam shows how
to take full
advantage of
each key IBM
Cognos feature,*

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including brand-new innovations such as Active Reports and the new IBM Cognos Workspace report consumption environment. She concludes by walking you through successfully planning and implementing an

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*integrated
business
intelligence
solution using
IBM's best-
practice
methodologies.
The first and
only guide of
its kind, IBM
Cognos Business
Intelligence v10
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insights for BI*

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*designers,
architects,
developers,
administrators,
project
managers,
nontechnical end-
users, and
partners
throughout all
areas of the
business—from
sales and
marketing to*

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*operations and
lines of
business. If
you're pursuing
official IBM
Cognos
certification,
you'll also find
Cognos
certification
sample questions
and information
to help you with
the*

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*certification
process.*

Coverage

Includes •

*Understanding
IBM Cognos BI's
components and
open, extensible
architecture •*

*Working with IBM
Cognos key*

*"studio" tools:
Analysis Studio,
Query Studio,*

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*Report Studio,
and Event Studio
• Developing and
managing
powerful reports
that draw on the
rich
capabilities of
IBM Cognos
Workspace and
Workspace
Advanced •
Designing Star
Schema databases*

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*and metadata
models to answer
the questions
your
organization
cares about most*

- Efficiently
maintaining and
systematically
securing IBM
Cognos BI
environments and
their objects •*

Using IBM Cognos

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*Connection as
your single
point of entry
to all corporate
data • Building
interactive,
easy-to-manage
Active Reports
for casual
business users •
Using new IBM
Cognos BI v10.1
Dynamic Query
Mode (DQM) to*

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improve

*performance with
complex*

*heterogeneous
data •*

*Identifying,
exploring, and
exploiting
hidden data
relationships •*

*Creating quick
ad hoc queries
that deliver
fast answers •*

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*Establishing
user and
administrator
roles*

*Learn effective
tools and
techniques to
separate big
data into
manageable and
logical
components for
efficient data v
isualization*

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*t This Book**

*This unique
guide teaches
you how to
visualize your
cluttered, huge
amounts of big
data with ease*
It is rich with
ample options
and solid use
cases for big
data
visualization,*

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and is a must-have book for your shelf
Improve your decision-making by visualizing your big data the right wayWho This Book Is ForThis book is for data analysts or those with a basic knowledge*

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*of big data
analysis who
want to learn
big data
visualization in
order to make
their analysis
more useful. You
need sufficient
knowledge of big
data platform
tools such as
Hadoop and also
some experience*

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with programming languages such as R. This book will be great for those who are familiar with conventional data visualizations and now want to widen their horizon by exploring big

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data visualizations. What you will learn Understand how "basic analytics" is affected by big data* Deep dive into effective and efficient ways of visualizing big data* Get to know approaches*

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(using various technologies) to address the challenges of visualizing big data Comprehend the concepts and models used to visualize big data* Know how to visualize big data in real time and for different use*

Access Free Cognos Tm1 Developer Guide cases*

*Understand how
to integrate
popular
dashboard
visualization
tools such as
Splunk and
Tableau* Get to
know the value
and process of
integrating
visual big data
with BI tools*

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*such as Tableau**

*Make sense of
the*

*visualization
options for big
data, based upon
the most suited
visualization
techniques for
big data*

*In
Detail*
*When it
comes to big
data, regular
data*

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visualization tools with basic features become insufficient. This book covers the concepts and models used to visualize big data, with a focus on efficient visualizations to improve better decision

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making. This book works around big data visualizations and the challenges around visualizing big data and address characteristic challenges of visualizing like speed in accessing, under

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standing/adding context to, improving the quality of the data, displaying results, outliers, and so on. We focus on the most popular libraries to execute the tasks of big data visualization

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and explore "big data oriented" tools such as Hadoop and Tableau. We will show you how data changes with different variables and how to visualize data in real time and for different use cases with step-

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*through topics
such as:
importing data
to something
like Hadoop,
basic analytics,
the work arounds
to typical big
data
visualization
challenges, and
the most popular
libraries that
work with big*

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data. The choice of visualizations depends on the most suited visualization techniques for big data, and we will show you the various options for big data visualizations based upon

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industry-proven techniques that are most suited for big data. You will then learn how to integrate popular visualization tools with graphing databases to see how huge amounts of certain data

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*can be
visualized.
Finally, you
will find out
how to display
the integration
of visual big
data with BI
using Cognos BI.
Explains how to
create and
manage
performance
management*

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*solutions using
IBM Cognos TM1,
covering such
topics as
planning,
forecasting, and
scenario
analytic
solutions.*

*Ibm Cognos Tm1
Developer's
Certification
GuidePackt
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Metadata

*Management with
IBM InfoSphere
Information*

Server

*IBM Software for
SAP Solutions*

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A Comprehensive
Primer*

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Dynamic Query

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Developer's

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*Certification
Guide*

Learn how to rapidly build your own ecommerce site by applying Django's battle-tested components. This book demonstrates Django's features and conventions to help you develop modern web

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applications quickly. You'll adopt a "learn by doing" approach and gain a deeper understanding Django by working through a project in which the real-time component will be critical. The book starts with the basics and explains the difference between a

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Django project and a Django app, the most important settings, how to change them, and the fundamentals of packaging. You'll then be introduced to all the standard tools of Django, along with a sample project. The book then moves on to Channels, a recent addition to the

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Django ecosystem. It extends the framework with support for real-time operations such as Websockets and other asynchronous features. Practical Django 2 and Channels 2 provides the practical concepts needed to create complex, database-

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driven websites as
easily as possible.

What You'll

LearnBuild and

deploy a simple

company site with

Django Develop more

complex, data-heavy

sites using the Django

ORMIntegrate

Django with

ChannelsUnit-test

your solutionsWho

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This Book Is For
Python developers
and web developers
wanting to learn
Django 2 and
Channels 2
IBM® Cognos®
Business Intelligence
(BI) helps
organizations meet
strategic objectives
and provides real
value for the business

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by delivering the information everyone needs while also reducing the burden on IT. This IBM Redbooks® publication addresses IBM Cognos Business Intelligence V10.1. You can use this book to: -
Understand core features of IBM

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Cognos BI V10.1 -
Realize the full
potential of IBM
Cognos BI - Learn by
example with
practical scenarios
This book uses a
fictional business
scenario to
demonstrate the
power of IBM Cognos
BI. The book is
primarily focused on

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the roles of Advanced Business User, Professional Report Author, Modeler, Administrator, and IT Architect.

Big data is currently one of the most critical emerging technologies.

Organizations around the world are looking to exploit the

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explosive growth of data to unlock previously hidden insights in the hope of creating new revenue streams, gaining operational efficiencies, and obtaining greater understanding of customer needs. It is important to think of big data and analytics

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together. Big data is the term used to describe the recent explosion of different types of data from disparate sources. Analytics is about examining data to derive interesting and relevant trends and patterns, which can be used to inform decisions, optimize

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processes, and even drive new business models. With today's deluge of data comes the problems of processing that data, obtaining the correct skills to manage and analyze that data, and establishing rules to govern the data's use and distribution. The big data technology

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stack is ever growing and sometimes confusing, even more so when we add the complexities of setting up big data environments with large up-front investments. Cloud computing seems to be a perfect vehicle for hosting big data workloads. However,

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working on big data in the cloud brings its own challenge of reconciling two contradictory design principles. Cloud computing is based on the concepts of consolidation and resource pooling, but big data systems (such as Hadoop) are built on the shared

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nothing principle,
where each node is
independent and self-
sufficient. A solution
architecture that can
allow these mutually
exclusive principles to
coexist is required to
truly exploit the
elasticity and ease-of-
use of cloud
computing for big
data environments.

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This IBM®
Redpaper™
publication is aimed
at chief architects,
line-of-business
executives, and CIOs
to provide an
understanding of the
cloud-related
challenges they face
and give prescriptive
guidance for how to
realize the benefits of

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big data solutions quickly and cost-effectively.

This book is packed with real word examples. Each major certification topic is covered in a separate chapter, which helps to make understanding of concepts easier. At the end of each

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chapter, you will find a variety of practice questions to strengthen and test your learning. If you are a beginner to intermediate level Cognos TM1 developer looking to add an important IBM certification to your resume but don't know where to

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start, this book is for
you!

Cracking the IT
Architect Interview
A Guide to
Conversations for
Todays Data Center

A Brief Guide to the
Systems Modeling
Language
Maximizing the
Value of Player Data

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Annotation IBM

Cognos TM1 is one of the most popular multidimensional analysis tools used to build collaborative planning, budgeting and forecasting solutions, as well as analytical and reporting applications. This cube-based technology does fast number crunching at

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the server end and helps end customers move away from manual and tedious planning, budgeting, and analytics processes. IBM Cognos TM1 Cookbook is a complete manual to building and managing applications with IBM Cognos TM1. Every important aspect of TM1 is covered with

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the help of practical recipes, which will make you well acquainted with the tool and you will be ready to take on TM1 projects in the real world. Existing TM1 users and developers will also benefit from the practical recipes covered in the book. The book will start with a chapter

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**focusing on
fundamentals of
MOLAP and
dimensional modeling,
which forms the
foundation on which
IBM Cognos TM1 is
based. Thereafter
chapters will be more
TM1-specific, starting
with an introduction
on dimensions and
cubes and how to
create and manage**

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them. Further chapters will dig deeper into TM1 objects and rules. Then we will learn the more advanced features of TM1 such as automating common processes using scripts, customizing drill paths, using rules for advanced modeling, converting currencies, modeling for different

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**fiscal requirements,
and more. At the end of
the book, we will cover
how to present data
and reports,
workflows, and TM1
application security.
Engineer a clear-cut
strategy for achieving
best-in-class results
using IBM Cognos 8
Planning with this
book and eBook.
Create custom**

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**dashboards and share
using IBM Cognos BI
10.1**

**IBM® Cognos®
Business Intelligence
(BI) provides a proven
enterprise BI platform
with an open data
strategy. Cognos BI
provides customers
with the ability to use
data from any source,
package it into a
business model, and**

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make it available to consumers in various interfaces that are tailored to the task. IBM Cognos Dynamic Cubes complements the existing Cognos BI capabilities and continues the tradition of an open data model. It focuses on extending the scalability of the IBM Cognos platform to enable speed-of-

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thought analytics over terabytes of enterprise data, without having to invest in a new data warehouse appliance. This capability adds a new level of query intelligence so you can unleash the power of your enterprise data warehouse. This IBM Redbooks® publication addresses IBM Cognos Business

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**Intelligence V10.2.2
and specifically, the
IBM Cognos Dynamic
Cubes capabilities.**

**This book can help you
in the following ways:**

**Understand core
features of the Cognos
Dynamic Cubes
capabilities of Cognos
BI V10.2 Learn by
example with practical
scenarios by using the
IBM Cognos samples**

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This book uses fictional business scenarios to demonstrate the power and capabilities of IBM Cognos Dynamic Cubes. It primarily focuses on the roles of the modeler, administrator, and IT architect.

Mastering Non-Functional Requirements

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**Installation and
Configuration Guide
for MicroStrategy 10
MDX Cube Reporting
Guide for
MicroStrategy 10
Implementing SAP
BW on SAP HANA
MDX Cube Reporting
Guide for
MicroStrategy
Analytics Enterprise
This is a practical
hands-on book with**

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**clear instructions
and lot of code
examples. It takes a
simple approach,
guiding you through
different
architectural topics
using realistic
sample projects
This book is packed
with real word
examples. Each
major certification
topic is covered in a**

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separate chapter, which helps to make understanding of concepts easier. At the end of each chapter, you will find a variety of practice questions to strengthen and test your learning. If you are a beginner to intermediate level Cognos TM1 developer looking to

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**add an important
IBM certification to
your resume but
don't know where to
start, this book is for
you!**

**The only authorized
guide to IBM
Cognos Business
Intelligence v10.1
Updated for the
latest release of the
software, IBM
Cognos Business**

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Intelligence 10: The Official Guide explains how to create, implement, and manage an enterprise BI solution. Maximize all of the new and enhanced features, including the powerful modeling, monitoring, and analytics capabilities. Build

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and deliver reports that foster informed business decisions and better results. Filled with real-world examples and expert advice, this practical resource is ideal for anyone working with IBM Cognos Business Intelligence v10.1--from administrators to

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end users. Monitor performance using dashboards and scorecards Assign user roles and privileges Provide a single access point to application-specific data via Cognos Connection Access content from Microsoft Office applications and mobile devices

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**Collect and analyze
BI data in an
interactive
dashboard with
Cognos Business
Insight Use Cognos
Administration tools
for system
management
Implement
appropriate security
measures Create BI
reports with
relational and**

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**dimensional data
using Business
Insight Advanced
Use Report Studio
to build dimensional
reports and
statistical analyses
Identify and deliver
mission-critical
information using
Event Studio
Monitor business
performance with
Metric Studio**

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Create, modify, organize, and publish a model in Framework Manager
Ensure report integrity with Lifecycle Manager
Written in cookbook style, this book offers learning and techniques through recipes. It contains step-by-step instructions for

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Report Studio 8 users to author effective reports. The book is designed in such a way that you can refer to things chapter by chapter, and read them in no particular order. You will see a new fictional business case in each recipe that will relate to a

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real-life problem and then you will learn how to crack it in Report Studio. If you are a Business Intelligence or MIS Developer (programmer) working on Cognos Report Studio who wants to author impressive reports by putting to use what this tool has to

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offer, this book is for you. You could also be a Business Analyst or Power User who authors his own reports and wants to look beyond the conventional features of Report Studio 8. This book assumes that you can do basic authoring, are aware

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**of the Cognos
architecture, and are
familiar with Studio.**

**Statistics for Data
Science**

**IBM Cognos TM1
The Official Guide**

**IBM Cognos Tm1
Developers**

Certification Guide

Mastering Splunk

IBM Cognos

Business

Intelligence 10: The

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Official Guide

Today many organizations face challenges when developing a realistic plan or schedule that provides the best possible balance between

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customer
service and
revenue goals.
Optimization
technology has
long been used
to find the best
solutions to
complex
planning and
scheduling
problems. A

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decision-support environment that enables the flexible exploration of all the trade-offs and sensitivities needs to provide the following capabilities:

Flexibility to develop and

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compare

realistic

planning and

scheduling

scenarios

Quality

sensitivity

analysis and

explanations

Collaborative

planning and

scenario sharing

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Decision recom
mendations This
IBM®
Redbooks®
publication
introduces you
to the IBM
ILOG®
Optimization
Decision
Manager (ODM)
Enterprise. This

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decision-support application provides the capabilities you need to take full advantage of optimization technology.

Applications built with IBM ILOG ODM Enterprise can

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help users
create,
compare, and
understand
planning or
scheduling
scenarios. They
can also adjust
any of the model
inputs or goals,
and fully
understanding

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the binding constraints, trade-offs, sensitivities, and business options. This book enables business analysts, architects, and administrators to design and

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use their own
operational
decision
management
solution.

Big Data in a
nutshell: It is
the ability to
retain, process,
and understand
data like never
before. It can

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mean more data than what you are using today; but it can also mean different kinds of data, a venture into the unstructured world where most of today's data resides. In this book you

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will learn how
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systems, like
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Learn about the
concept of data-
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world's fastest
and most
flexible platform
for streaming
data. Capturing,
storing,
refining,
transforming,
governing,
securing, and
analyzing data
are important

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topics also
covered in this
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modelers, and power users can use the dynamic query layer effectively. It provides guidance for determining which technology within the dynamic query

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insightful

programs and

simple

explanation.

Some basic

hands on R will

be useful. What

You Will Learn

Analyze the

transition from

a data developer

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scientist

mindset Get

acquainted with

the R programs

and the logic

used for

statistical

computations

Understand

mathematical

concepts such

as variance,

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to implement
statistics in data
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the statistical
techniques
required to
perform tasks
such as linear
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assessment,
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and working

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with neural
networks Get
comfortable
with performing
various
statistical
computations
for data science
programmatically
In Detail Data
science is an
ever-evolving

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field, which is growing in popularity at an exponential rate. Data science includes techniques and theories extracted from the fields of statistics; computer

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science, and,
most
importantly,
machine
learning,
databases, data
visualization,
and so on. This
book takes you
through an
entire journey of
statistics, from

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knowing very little to becoming comfortable in using various statistical methods for data science tasks. It starts off with simple statistics and then move on to

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statistical
methods that
are used in data
science
algorithms. The
R programs for
statistical
computation are
clearly
explained along
with logic. You
will come across

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various

mathematical
concepts, such
as variance,
standard
deviation,
probability,
matrix
calculations,
and more. You
will learn only
what is required

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to implement statistics in data science tasks such as data cleaning, mining, and analysis. You will learn the statistical techniques required to perform tasks

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such as linear regression, regularization, model assessment, boosting, SVMs, and working with neural networks. By the end of the book, you will be comfortable

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with performing
various
statistical
computations
for data science
programmatically. Style and
approach Step
by step
comprehensive
guide with real
world examples

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provides information
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R by developing
strategy, intuition, and
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essential
concepts

About This
Book* Grasping the
major methods of
predictive modeling
and moving beyond
black box thinking to a
deeper level of
understanding*

Leveraging the

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flexibility and modularity of R to experiment with a range of different techniques and data types* Packed with practical advice and tips explaining important concepts and best practices to help you understand quickly and easilyWho This Book Is

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For Although budding data scientists, predictive modelers, or quantitative analysts with only basic exposure to R and statistics will find this book to be useful, the experienced data scientist professional wishing to attain master level status , will also find this book

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extremely valuable..

This book assumes familiarity with the fundamentals of R, such as the main data types, simple functions, and how to move data around. Although no prior experience with machine learning or predictive modeling is required, there are some advanced topics

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provided that will
require more than
novice exposure. What
You Will Learn*

Master the steps
involved in the
predictive modeling
process* Grow your
expertise in using R
and its diverse range of
packages* Learn how
to classify predictive
models and distinguish

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which models are suitable for a particular problem* Understand steps for tidying data and improving the performing metrics* Recognize the assumptions, strengths, and weaknesses of a predictive model* Understand how and why each predictive model works in R*

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Select appropriate metrics to assess the performance of different types of predictive model*
Explore word embedding and recurrent neural networks in R* Train models in R that can work on very large datasets
In Detail R offers a free and open

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source environment that is perfect for both learning and deploying predictive modeling solutions. With its constantly growing community and plethora of packages, R offers the functionality to deal with a truly vast array of problems. The book begins with a dedicated chapter on

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the language of models and the predictive modeling process. You will understand the learning curve and the process of tidying data. Each subsequent chapter tackles a particular type of model, such as neural networks, and focuses on the three important questions of how the

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model works, how to use R to train it, and how to measure and assess its performance using real-world datasets. How do you train models that can handle really large datasets? This book will also show you just that. Finally, you will tackle the really important topic of deep learning

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by implementing applications on word embedding and recurrent neural networks. By the end of this book, you will have explored and tested the most popular modeling techniques in use on real- world datasets and mastered a diverse range of techniques in predictive analytics

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using R.Style and approach
This book takes a step-by-step approach in explaining the intermediate to advanced concepts in predictive analytics. Every concept is explained in depth, supplemented with practical examples applicable in a real-world setting.