

# IBM Cognos TM1 Developer's Certification Guide

James D. Miller



Chapter No. 7
"Virtual and Lookup Cubes"

# **Ibm Cognos Developer Guide**

Martin Donnelly, Mark Wallace, Tony McGuckin

#### **Ibm Cognos Developer Guide:**

**Ibm Cognos Tm1 Developer's Certification Guide** James D. Miller, 2012-01-01 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 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 **DB2 Developer's Guide** Craig Mullins, 2012 DB2 Developer's Guide is the field s know where to start this book is for you 1 go to source for on the job information on programming and administering DB2 on IBM z OS mainframes Now three time IBM Information Champion Craig S Mullins has thoroughly updated this classic for DB2 v9 and v10 Mullins fully covers new DB2 innovations including temporal database support hashing universal tablespaces pureXML performance security and governance improvements new data types and much more Using current versions of DB2 for z OS readers will learn how to Build better databases and applications for CICS IMS batch CAF and RRSAF Write proficient code optimized DB2 SQL Implement efficient dynamic and static SQL applications Use binding and rebinding to optimize applications Efficiently create administer and manage DB2 databases and applications Design build and populate efficient DB2 database structures for online batch and data warehousing Improve the performance of DB2 subsystems databases utilities programs and SQL stat DB2 Developer's Guide Sixth Edition builds on the unique approach that has made previous editions so valuable It combines Condensed easy to read coverage of all essential topics information otherwise scattered through dozens of documents Detailed discussions of crucial details within each topic Expert field tested implementation advice Sensible IBM Intelligent Operations Center 1.6 Programming Guide Hisham Abdel-Hafez, Sriram examples Balakrishnan, Jamie Caffrey, Eduardo Francellino, Sunil Mishra, Teresa Nascimento, Jayashree Ravichandran, Craig Scott, Nikolay Vlasov, IBM Redbooks, 2014-05-28 IBM Intelligent Operations Center is an integrated solution It provides a rich set of capabilities and line of business tools that business users with domain expertise and no technical background can use without customization IBM Intelligent Operations Center also provides services and extension points that developers can use to extend the IBM Intelligent Operations Center standard functions and develop capabilities specific to the domain and client requirements IBM Intelligent Operations Center includes an application based programming model that supports all the interactions with the solution components The programming model is based on industry standard Representational State Transfer REST and Java technologies IBM Intelligent Operations Center includes a full set of REST and Java application programming interfaces APIs that provide a simplified development environment and make the platform easy to extend and customize for a large community of developers This IBM Redbooks publication gives a broad understanding of the IBM Intelligent Operations Center 1 6 0 1 programming model and available extension points Many of the chapters describe working examples and usage scenarios that demonstrate how to extend the IBM Intelligent Operations Center base platform

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Records Whei-Jen Chen, Serena S Chan, Jean-Marc Costecalde, Yolanda H Yates, Harry Yessayan, IBM Redbooks, 2015-05-29 Records management helps users address evolving governance mandates to meet regulatory legal and fiduciary requirements Proactive adherence to information retention policies and procedures is a critical facet of any compliance strategy IBM Enterprise Records helps organizations enforce centralized policy management for file plans retention schedules legal preservation holds and auditing IBM Enterprise Records enables your organization to securely capture declare classify store and dispose of electronic and physical records In this IBM Redbooks publication we introduce the records management concept and provide an overview of IBM Enterprise Records We address records management topics including the retention schedule file plan records ingestion and declaration records disposition records hold and Enterprise Records application programming interfaces APIs We also use a case study to describe step by step instructions to implement a sample records management solution using Enterprise Records We provide concrete examples of how to perform tasks such as file plan creation records ingestion and declaration records disposition and records hold This book helps you to understand the records management concept the IBM Enterprise Records features and capabilities and its use IBM i2 Integrated Law Enforcement: Technical Architecture and Deployment Guide Wil Jamison, John Dowling, IBM Redbooks, 2014-11-17 IBM i2 Integrated Law Enforcement is an IBM Smarter Cities solution that addresses the needs of modern day law enforcement agencies It is a solution framework that provides the individual capabilities of the products that comprise the solution and extended capabilities developed through the synergistic integration of those product components As a framework IBM i2 Integrated Law Enforcement allows for the continuous expansion of capabilities by putting together building blocks within the system and integrating with new external systems In doing so an organization can respond and adapt to its changing needs Simply stated the configuration integration and implementation of IBM i2 Integrated Law Enforcement and its components provide the tools for more effective law enforcement This IBM RedpaperTM publication explains the technology and the architecture on which the solution is built Most importantly this paper enables technical teams to install configure and deploy an instance of the i2 Integrated Law Enforcement solution using the product i2 Intelligent Law Enforcement V1 0 1 This paper is targeted to solution architects system and deployment engineers security specialists data management experts system analysts software developers and test engineers and system administrators Readers of this paper will benefit from the IBM RedguideTM publication Integrated Law Enforcement A Holistic Approach to Solving Crime REDP 5116 Optimization and Decision Support Design Guide: Using IBM ILOG Optimization Decision Manager Axel Buecker, Yana Ageeva, Veronique Blanchard, Dr. Jeremy Bloom, Dr. Mehmet F. Candas, Joao Chaves, Guang Feng, Abhishek Raman, Dr. Hans Schlenker, IBM Redbooks, 2012-10-10 Today many organizations face challenges when developing a realistic plan or schedule that provides the best possible balance between customer service and revenue goals Optimization technology has long been used to find the best solutions to complex planning and scheduling problems A

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 compare realistic planning and scheduling scenarios Quality sensitivity analysis and explanations Collaborative planning and scenario sharing Decision recommendations This IBM Redbooks publication introduces you to the IBM ILOG Optimization Decision Manager ODM Enterprise This decision support application provides the capabilities you need to take full advantage of optimization technology Applications built with IBM ILOG ODM Enterprise can help users create compare and understand planning or scheduling scenarios They can also adjust any of the model inputs or goals and fully understanding the binding constraints trade offs sensitivities and business options This book enables business analysts architects and administrators to design and use their own operational decision management solution Mastering XPages Martin Donnelly, Mark Wallace, Tony McGuckin, 2014-04-18 IBM s Best Selling Guide to XPages Development Now Updated and Expanded for Lotus Notes Domino 9 0 1 XPages instantly revolutionized Notes Domino application development and the newest versions deliver unprecedented performance and flexibility Now the popular insider s guide to XPages development has been updated and expanded to reflect all these improvements through IBM Notes Domino 9 0 1 and beyond Three key members of the IBM XPages team have brought together comprehensive knowledge for delivering outstanding solutions They have added several hundred pages of new content including four new chapters Drawing on their unsurpassed experience they present new tips samples and best practices reflecting the platform s growing maturity Writing for both XPages newcomers and experts they cover the entire project lifecycle including problem debugging performance optimization and application scalability This second edition of Mastering XPages fully addresses enhancements to the XPages data sources for Domino views and documents the latest XPages mobile library the new Domino Designer Server Side JavaScript debugger and improvements to integrated technologies such as Dojo and CKEditor Nearly every chapter contains at least one downloadable sample application offering extensive hands on practice This guide concludes with complete references to XSP tags relevant Java JavaScript classes and XSP style classes Coverage includes Understanding XPages development paradigm tooling runtime framework and application architecture Configuring Domino Designer and integrating XPages Extension Library Constructing application logic and using data binding controls Reading writing Notes documents from use cases to design properties Using Views including examples of accessing calendars via REST Making the most of Notes Domino 9 0 s new DataView control Coding from the basics to fully customized behavior Advanced scripting AJAX Dojo Functions managed beans and more Extending the Rich Text Editor's functionality Building and consuming new controls with Extensibility APIs Taking web applications offline in the Notes client Building mobile apps controls design patterns and best practices Debugging Server Side JavaScript with Domino Designer 9 0 Creating apps that look and work great for local and global audiences Systematically optimizing performance and scalability Protecting data and users leveraging Domino and Notes security models Enabling Real-Time Business Intelligence Malu

Castellanos, Umeshwar Dayal, Renée J. Miller, 2010-07-30 This book constitutes the thoroughly refereed post conference proceedings of the Third International Workshop on Business Intelligence for the Real Time Enterprise BIRTE 2009 held in Lyon France in August 2009 in conjunction with VLDB 2009 the International Conference on Very Large Data Bases The volume contains the carefully reviewed selected papers from the workshop including one of the two keynotes the six research two industrial and one experimental paper and also the basic statements from the panel discussion on Merging OLTP and OLAP The topical focus is on models and concepts architectures case studies and applications of technologies for real time enterprise business intelligence 

Implementing Splunk Vincent Bumgarner, James D. Miller, 2015-07-28 Splunk is a type of analysis and reporting software 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 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 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 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

Using zEnterprise for Smart Analytics: Volume 2 Implementation Mike Ebbers, Alex Louwe Kooijmans, Colin Page, Patrick Hempeler, Qiong Liu, LK Swift, Lih Wang, IBM Redbooks, 2013-04-23 This IBM Redbooks publication series 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 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 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 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 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 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 operating environments The use of application clustering setting up performance policies by using Unified Resource Manager and simulation test execution results are included Solving Operational Business Intelligence with <u>InfoSphere Warehouse Advanced Edition</u> Whei-Jen Chen, Pat Bates, Timothy Donovan, Garrett Fitzsimons, Jon Lind, Rogerio Silva, IBM Redbooks, 2012-10-02 IBM InfoSphere Warehouse is the IBM flagship data warehouse platform for departmental

data marts and enterprise data warehouses It offers leading architecture performance backup and recovery tools that help improve efficiency and reduce time to market through increased understanding of current data assets while simplifying the daily operations of managing complex warehouse deployments InfoSphere Warehouse Advanced Enterprise Edition delivers an enhanced set of database performance management and design tools These tools assist companies in maintaining and increasing value from their warehouses while helping to reduce the total cost of maintaining these complex environments In this IBM Redbooks publication we explain how you can build a business intelligence system with InfoSphere Warehouse Advanced Enterprise to manage and support daily business operations for an enterprise to generate more income with lower cost We describe the foundation of the business analytics the Data Warehouse features and functions and the solutions that can deliver immediate analytics solutions and help you drive better business outcomes We show you how to use the advanced analytics of InfoSphere Warehouse Advanced Enterprise Edition and integrated tools for data modeling mining text analytics and identifying and meeting the data latency requirements We describe how the performance and storage optimization features can make building and managing a large data warehouse more affordable and how they can help significantly reduce the cost of ownership We also cover data lifecycle management and the key features of IBM Cognos Business Intelligence This book is intended for data warehouse professionals who are interested in gaining in depth knowledge about the operational business intelligence solution for a data warehouse that the IBM InfoSphere Warehouse Advanced Enterprise Edition offers Software Programmer - Consultant - Network Engineer - Application Developer Career and Job **Guide** Info Tech Employment, Info Tech Employment Editors, 2007-08 From programming to procurement telecommunications to project management this fact filled guide offers direction for contacting and networking with the nation s best Information Technology employers IBM Cognos Business Intelligence v10 Sangeeta Gautam, 2012-11-20 Maximize the Value of Business Intelligence with IBM Cognos v10 Hands on from Start to Finish This easy to use hands on quide 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 Sangeeta Gautam thoroughly illuminates Cognos BI v10 s key capabilities analysis guery reporting and dashboards Gautam shows how to take full advantage of each key IBM Cognos feature 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 integrated business intelligence solution using IBM s best practice methodologies The first and only guide of its kind IBM Cognos Business Intelligence v10 offers expert insights for BI designers architects developers administrators project managers nontechnical end users and partners throughout all areas of the business from sales and marketing to 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 certification process Coverage Includes Understanding IBM Cognos BI s components and open extensible architecture

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various engagements This 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 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 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 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 Optimizing DB2 Queries with IBM DB2 Analytics Accelerator for z/OS Paolo Bruni, Patric Becker, Willie Favero, Ravikumar Kalyanasundaram, Andrew Keenan, Steffen Knoll, Nin Lei, Cristian Molaro, P S Prem, IBM Redbooks, 2012-12-20 The IBM DB2 Analytics Accelerator Version 2.1 for IBM z OS also called DB2 Analytics Accelerator or Query Accelerator in this book and in DB2 for z OS documentation is a marriage of the IBM System z Quality of Service and Netezza technology to accelerate complex queries in a DB2 for z OS highly secure and available environment Superior performance and scalability with rapid appliance deployment provide an ideal solution for complex analysis This IBM Redbooks publication provides technical decision makers with a broad understanding of the IBM DB2 Analytics Accelerator architecture and its exploitation by documenting the steps for the installation of this solution in an existing DB2 10 for z OS environment In this book we define a business analytics scenario evaluate the potential benefits of the DB2 Analytics Accelerator appliance describe the installation and integration steps with the DB2 environment evaluate performance and show the advantages to existing business intelligence processes A Practical Guide to Distributed Scrum (Adobe Reader) Elizabeth Woodward, Steffan Surdek, Matthew Ganis, 2010-06-21 Succeed with Scrum in Even the Largest Most Complex Distributed Development Projects Forewords by Ken Schwaber Scott Ambler Roman Pichler and Matthew Wang This is the first comprehensive practical guide for Scrum practitioners working in large scale distributed environments Written by three of IBM s leading Scrum practitioners in close collaboration with the IBM QSE Scrum Community of more than 1000 members worldwide this book offers specific actionable guidance for everyone who wants to succeed with Scrum in the enterprise Readers will follow a journey through the lifecycle of a distributed Scrum project from envisioning products and setting up teams to preparing for Sprint planning and running retrospectives Each chapter presents a baseline drawn from conventional Scrum then discusses additional issues faced by distributed teams and presents specific best practice solutions alternatives and tips the authors have identified through hard empirical experience Using real world examples the book demonstrates how to apply key Scrum practices such as look ahead planning in geographically distributed environments Readers will also gain valuable new insights into the agile management of complex problem and technical domains Coverage includes Developing user stories and working with Product Owners as a distributed team Recognizing and

fixing the flaws Scrum may reveal in existing processes Engaging in more efficient Release and Sprint planning Conducting intense brief daily Scrum meetings in distributed environments Managing cultural and language differences Resolving dependencies performing frequent integration and maintaining transparency in geographically distributed environments Successfully running remote software reviews and demos Brainstorming what worked and what didn t to improve future Sprints This book will be an indispensable resource for every team leader member product owner or manager working with Scrum or other agile methods in any distributed software development organization **Statistics for Data Science** James D. Miller, 2017-11-17 Get your statistics basics right before diving into the world of data science About This Book No need to take a degree in statistics read this book and get a strong statistics base for data science and real world programs Implement statistics in data science tasks such as data cleaning mining and analysis Learn all about probability statistics numerical computations and more with the help of R programs Who This Book Is For This book is intended for those developers who are willing to enter the field of data science and are looking for concise information of statistics with the help of insightful programs and simple explanation Some basic hands on R will be useful What You Will Learn Analyze the transition from a data developer to a data scientist mindset Get acquainted with the R programs and the logic used for statistical computations Understand mathematical concepts such as variance standard deviation probability matrix calculations and more Learn to implement statistics in data science tasks such as data cleaning mining and analysis Learn the statistical techniques required to perform tasks such as linear regression regularization model assessment boosting SVMs and working with neural networks Get comfortable with performing various statistical computations for data science programmatically In Detail Data science is an ever evolving field which is growing in popularity at an exponential rate Data science includes techniques and theories extracted from the fields of statistics computer science and most importantly machine learning databases data visualization and so on This book takes you through an entire journey of statistics from 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 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 various mathematical concepts such as variance standard deviation probability matrix calculations and more You will learn only what is required to implement statistics in data science tasks such as data cleaning mining and analysis You will learn the statistical techniques required to perform tasks such as linear regression regularization model assessment boosting SVMs and working with neural networks By the end of the book you will be comfortable with performing various statistical computations for data science programmatically Style and approach Step by step comprehensive guide with real world examples *SQL Server's Developer's Guide to OLAP with Analysis Services Mike* Gunderloy, Tim Sneath, 2006-07-14 The Skills You Need to Develop OLAP Solutions with SQL Server 2000 This one of a kind book teaches you everything you need to know to use Microsoft's Analysis Services software to build implement and manage

effective OLAP solutions Expert advice and in depth explanations combine to help you and your company take full advantage of the affordable power of SQL Server's built in OLAP functionality Coverage Includes Analyzing large volumes of data effectively with Analysis Services Architecting and designing data analysis applications Querying OLAP data using MDX Programming applications using ADO MD Managing Analysis Services servers with DSO Building data mining solutions with Analysis Services Using English Query for natural language querying of OLAP data Choosing appropriate client tools for exploring OLAP data Using the PivotTable Service for client side data analysis Note CD ROM DVD and other supplementary materials are not included as part of eBook file

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