# Cognos Performance Tuning Tips & Tricks

Q: Should Garbage Collection be generational or balanced?

A: We recommend leaving it set to generational unless you have a specific need.

Q: Will changing/increasing the Java heap settings affect performance for non-DQM reports?

A: Not really, but a poorly tuned Java heap in Cognos can have negative effects on the overall environment.

Q: Is there any documentation for routing rules?

A: Information on routing rules can be found in Chapter 5 of the Cognos Administration and Security Guide.



# **Cognos Performance Tuning Guide**

Axel Westphal,Bert Dufrasne,Wilhelm Gardt,Jana Jamsek,Peter Kimmel,Flavio Morais,Paulus Usong,Alexander Warmuth,Kenta Yuge,IBM Redbooks

#### **Cognos Performance Tuning Guide:**

IBM Business Process Manager V7.5 Performance Tuning and Best Practices IBM Business Process Management Performance Team, IBM Redbooks, 2012-04-11 This IBM RedpaperTM publication provides performance tuning tips and best practices for IBM Business Process Manager BPM V7 5 all editions and IBM Business Monitor V7 5 These products represent an integrated development and runtime environment based on a key set of service oriented architecture SOA and business process management technologies Such technologies include Service Component Architecture SCA Service Data Object SDO Business Process Execution Language for Web services BPEL and Business Processing Modeling Notation BPMN Both BPM and Business Monitor build on the core capabilities of the IBM WebSphere Application Server infrastructure As a result BPM solutions benefit from tuning configuration and best practices information for WebSphere Application Server and the corresponding platform Java Virtual Machines JVMs This paper targets a wide variety of groups both within IBM development services technical sales and others and customers For customers who are either considering or are in the early stages of implementing a solution incorporating BPM and Business Monitor this document proves a useful reference The paper is useful both in terms of best practices during application development and deployment and as a reference for setup tuning and configuration information This paper introduces many of the issues influencing the performance of each product and can serve as a guide for making rational first choices in terms of configuration and performance settings Similarly customers who have already implemented a solution using these products might use the information presented here to gain insight into how their overall integrated solution performance might be improved **IBM Business Process Manager** V8.5 Performance Tuning and Best Practices Mike Collins, Zi Hui Duan, Andreas Fried, Ben Hoflich, Chris Richardson, Torsten Wilms, IBM Redbooks, 2015-02-24 This IBM Redbooks publication provides performance tuning tips and best practices for IBM Business Process Manager IBM BPM V8 5 5 all editions and IBM Business Monitor V8 5 5 These products represent an integrated development and runtime environment based on a key set of service oriented architecture SOA and business process management BPM technologies Such technologies include Service Component Architecture SCA Service Data Object SDO Business Process Execution Language BPEL for web services and Business Processing Modeling Notation BPMN Both IBM Business Process Manager and Business Monitor build on the core capabilities of the IBM WebSphere Application Server infrastructure As a result Business Process Manager solutions benefit from tuning configuration and best practices information for WebSphere Application Server and the corresponding platform Java virtual machines IVMs This book targets a wide variety of groups both within IBM development services technical sales and others and customers For customers who are either considering or are in the early stages of implementing a solution incorporating Business Process Manager and Business Monitor this document proves a useful reference The book is useful both in terms of best practices during application development and deployment and as a reference for setup tuning and configuration

information This book talks about many issues that can influence performance of each product and can serve as a guide for making rational first choices in terms of configuration and performance settings Similarly customers who already implemented a solution with these products can use the information presented here to gain insight into how their overall integrated solution performance can be improved IBM Cognos TM1 The Official Guide Karsten Oehler, Jochen Gruenes. Christopher Ilacqua, 2012-03-14 Publisher's Note Products purchased from Third Party sellers are not guaranteed by the publisher for quality authenticity or access to any online entitlements included with the product The only official guide to IBM Cognos TM1 Deliver timely accurate and actionable performance management solutions to users across your enterprise Filled with expert advice from a team of IBM professionals IBM Cognos TM1 The Official Guide shows you how to deploy and maintain a dynamic planning forecasting and scenario analytic solution Learn the latest Cognos TM1 10 1 best practices on how to model Cognos TM1 cubes develop highly agile performance management solutions generate feature rich reports and employ dashboards and scorecards Securing sizing and performance tuning are also covered in this IBM authorized resource This book can also be used with former TM1 versions Build Cognos TM1 models with cubes dimensions rules and TurboIntegrator processes Load data and establish workflow using the TurboIntegrator Model and analyze multidimensional business processes Develop applications using Excel and Cognos TM1 Web Manage high user volumes with scaling and concurrency Assign and enforce roles privileges and permissions Deliver custom reports to end users through dashboards Use KPIs and balanced scorecards to monitor performance From the Authors Why We Wrote This Book It is not surprising that in 25 years best practices and fantastic ideas of how to use Cognos TM1 have evolved For many business problems excellent solutions already exist We participated in this development process and learned from experienced people But knowledge about Cognos has been like a patchwork Only a few sites and communities exist and most experience has been gained by intuition and trial and error Every novice has to go the hard way and build solid knowledge from various more or less trustworthy sources It often takes years to become an expert We have felt this ourselves to train our colleagues in the secrets of Cognos TM1 takes time and effort Our intention is to increase the speed of the diffusion of Cognos TM1 into the business world For this of course marketing is necessary but good and comprehensive knowledge is more important So we want to provide everything that is necessary to work with Cognos TM1 effectively or at least what we think is necessary to work with it The obvious question is why hasn t there been a book about Cognos TM1 before now Perhaps Cognos TM1 has been a tool for insiders You definitely need critical mass for a book project However with Cognos TM1 becoming part of the IBM software family the time is right the first comprehensive book is now available Who This Book Is For Who should read this book Everybody who is interested in increasing their company s performance can profit from it External and internal consultants in particular will find a broad range of solutions Do you already work with Cognos TM1 Do you want to improve your existing applications You can find lots of practical tips and tricks for projects and your daily work in this book If you are

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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 Co-locating Transactional and Data Warehouse Workloads on System z Mike Ebbers, Dino Tonelli, Jason Arnold, Patric Becker, Yuan-Chi Chang, Willie Favero, Shantan Kethireddy, Nin Lei, Shirley Lin, Ron Lounsbury, Susan Widing Lynch, Cristian Molaro, Deepak Rangarao, Michael Schapira, IBM Redbooks, 2010-12-03 As business cycles speed up many customers gain significant competitive advantage from quicker and more accurate business decision making by using real data For many customers choosing the path to co locate their transactional and analytical workloads on System z better leverages their existing investment in hardware software and skills We created a project to address a number of best practice questions on how to manage these newer analytical type workloads especially when co located with traditional transactional workloads The goal of this IBM Redbooks publication is to provide technical guidance and performance trade offs associated with resource management and potentially DB2 data sharing in a variety of mixed transactional data warehouse System z topologies The term co location used here and in the rest of the book is specifically defined as the practice of housing both transactional OLTP and data warehouse analytical workloads within the same System z configuration We also assumed that key portions of the transactional and data warehouse databases would reside on DB2 for z OS The databases may or may not reside in a DB2 data sharing environment we discuss those pros and cons in this book The intended audience includes DB2 data warehouse architects and practitioners who are facing choices in resource management and system topologies in the data warehouse arena This specifically includes Business Intelligence BI administrators DB2 database administrators DBAs and z OS performance administrators systems programmers In addition decision makers and architects can utilize this book to assist in making platform and database topology decisions The book is divided into four parts Part I Introducing the co location project covers the System z value proposition and why one should consider System z as the central platform for their data warehousing business analytics needs Some topics are risk avoidance via data consolidation continuous availability simplified disaster recovery IBM Smart Analytics Optimizer reduced network bandwidth requirements and the unique virtualization and resource management capabilities of System z LPAR z VM and WLM Part I also provides some of the common System z co location topologies along with an explanation of the general pros and cons of each This would be useful input for an architect to understand where a customer is today and where they might consider moving to Part II Project environment covers the environment products workloads workload drivers and data models implemented for this study. The environment consisted of

a logically partitioned z10TM 32way running z VM Linux and z OS operating system instances On those instances we ran products such as z OS DB2 V9 IBM Cognos Business Intelligence Version 8 4 for Linux on System z InfoSphereTM Warehouse for System z InfoSphere Change Data Capture z OS WebSphere V7 Tivoli Omegamon for DB2 Performance expert Utilizing these products we created transactional OLTP data warehouse query and data warehouse refresh workloads All the workloads were based on an existing web based transactional Bookstore workload that s currently utilized for internal testing within the System p and z labs While some IBM Cognos BI and ISWz product usage and experiences information is covered in this book we do not go into the depth typically found in IBM Redbooks publications since there s another book focused **Indian National Bibliography** B. S. Kesavan, 2013-05 Retail Banking Technology Suresh Samudrala, 2015-01-30 Banking and financial services organizations are one of the largest consumers of information technology deploying large IT workforce worldwide Banks have a complex landscape of technology and applications catering to their diverse information needs It is important for the people working in banks and associated with technology field to have an optimum understanding of the overall IT landscape This will help them appreciate the scope of their work in the overall context as well as understand the criticality of various system interfaces. This book provides an overview of the complex banking technology landscape in a simple and easy to understand format KEY FEATURES Technology landscape is explained in a simple and generic way so that readers may relate it to their diverse information needs Several technology concepts like Service Oriented Architecture SOA Master Data Management MDM Customer Relationship Management CRM Business Process Management BPM Web Content Management Systems WCM Document Management Systems DMS etc have been explained with simple examples in the context of banking systems Information presented is more for education and knowledge purposes instead of recommending any target architecture or product SURESH SAMUDRALA has been working in the IT industry for the last 20 years after completing his Post Graduation in Computer Science from IIT Madras He has worked for various banking and financial institutions across the globe His professional areas of interest include delivery management enterprise architecture and innovation Data Sources .2000 **Datamation** .1997

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Unveiling the Power of Verbal Beauty: An Emotional Sojourn through Cognos Performance Tuning Guide

In a global inundated with displays and the cacophony of quick communication, the profound power and mental resonance of verbal artistry frequently fade in to obscurity, eclipsed by the continuous barrage of noise and distractions. Yet, situated within the lyrical pages of **Cognos Performance Tuning Guide**, a charming perform of fictional elegance that impulses with natural emotions, lies an memorable journey waiting to be embarked upon. Written by way of a virtuoso wordsmith, this mesmerizing opus courses readers on a mental odyssey, gently revealing the latent potential and profound affect stuck within the complicated internet of language. Within the heart-wrenching expanse of this evocative examination, we can embark upon an introspective exploration of the book is main styles, dissect their interesting publishing fashion, and immerse ourselves in the indelible effect it leaves upon the depths of readers souls.

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