# Performance Tuning Guide

Q3 2017 for Mule 3.8.x



This Tuning Guide provides a set of recommendations from MuleSoft experts on how to tune applications running on Mule 3.8.x<sup>1</sup> for optimal performance. The document first provides context as to why and when performance tuning matters, before outlining methodologies and discussing best practices. Examples are mentioned throughout the report, and can be explored in greater detail with information found in the References section.

Starting Mule 3.8.0 Runtime, API Gateway Runtime is unified with core Mule runtime.

# **3 Performance Tuning Guide**

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#### **3 Performance Tuning Guide:**

POWER7 and POWER7+ Optimization and Tuning Guide Brian Hall, Mala Anand, Bill Buros, Miso Cilimdzic, Hong Hua, Judy Liu, John MacMillan, Sudhir Maddali, K Madhusudanan, Bruce Mealey, Steve Munroe, Francis P O'Connell, Sergio Reyes, Raul Silvera, Randy Swanberg, Brian Twichell, Brian F Veale, Julian Wang, Yaakov Yaari, IBM Redbooks, 2013-03-04 This IBM Redbooks publication provides advice and technical information about optimizing and tuning application code to run on systems that are based on the IBM POWER7 and POWER7 TM processors This advice is drawn from application optimization efforts across many different types of code that runs under the IBM AIX and Linux operating systems focusing on the more pervasive performance opportunities that are identified and how to capitalize on them The technical information was developed by a set of domain experts at IBM The focus of this book is to gather the right technical information and lay out simple guidance for optimizing code performance on the IBM POWER7 and POWER7 systems that run the AIX or Linux operating systems This book contains a large amount of straightforward performance optimization that can be performed with minimal effort and without previous experience or in depth knowledge This optimization work can Improve the performance of the application that is being optimized for the POWER7 system Carry over improvements to systems that are based on related processor chips Improve performance on other platforms The audience of this book is those personnel who are responsible for performing migration and implementation activities on IBM POWER7 based servers which includes system administrators system architects network administrators information architects and database administrators DBAs

A Comprehensive Guide to Evaluating Performance in Transaction Processing Systems Pasquale De Marco, 2025-04-28 In the ever evolving landscape of digital business the performance of transaction processing systems TPS is a critical factor that can make or break an organization s success With the exponential growth of data and the increasing complexity of transactions ensuring optimal TPS performance is no longer a luxury but a necessity This comprehensive guide to performance analysis in transaction processing systems provides readers with the knowledge and tools necessary to master this essential discipline Written in an engaging and accessible style this book takes a holistic approach covering a wide range of topics from fundamental concepts to advanced techniques With a focus on real world applications this book is replete with case studies examples and practical advice Readers will gain a deep understanding of performance analysis methodologies enabling them to effectively analyze and optimize their TPS ensuring peak performance and unwavering reliability Whether you are a seasoned IT professional a system architect a database administrator or a student seeking to delve into the fascinating world of performance analysis this book is your ultimate resource Its comprehensive coverage clear explanations and actionable insights will empower you to transform your TPS into a finely tuned machine driving your business towards success Key Features In depth exploration of performance analysis concepts and techniques Practical guidance on analyzing and optimizing TPS performance Real world case studies and examples to illustrate key concepts Coverage of emerging

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