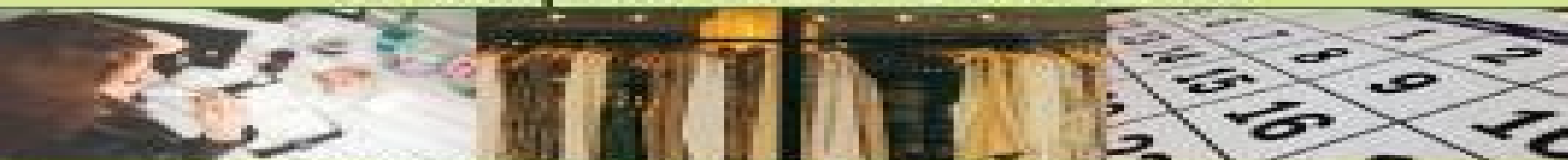


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process of implementation through intelligent choice of supporting integration middleware This IBM Redbooks publication guides integration practitioners and architects in choosing integration patterns and technologies [IBM Integration Bus a Complete Guide - 2019 Edition](#) Gerardus Blokdyk,2018-12-21 How does WAS leverage WLM How does it fit within the organization Can a trust model be used to view the entire interaction as secure as long as each constituent interaction is secured What about when you don t have peak loads Does your company require calls to be received in a specific manner This extraordinary IBM Integration Bus self assessment will make you the assured IBM Integration Bus domain adviser by revealing just what you need to know to be fluent and ready for any IBM Integration Bus challenge How do I reduce the effort in the IBM Integration Bus work to be done to get problems solved How can I ensure that plans of action include every IBM Integration Bus task and that every IBM Integration Bus outcome is in place How will I save time investigating strategic and tactical options and ensuring IBM Integration Bus costs are low How can I deliver tailored IBM Integration Bus advice instantly with structured going forward plans There s no better guide through these mind expanding questions than acclaimed best selling author Gerard Blokdyk Blokdyk ensures all IBM Integration Bus essentials are covered from every angle the IBM Integration Bus self assessment shows succinctly and clearly that what needs to be clarified to organize the required activities and processes so that IBM Integration Bus outcomes are achieved Contains extensive criteria grounded in past and current successful projects and activities by experienced IBM Integration Bus practitioners Their mastery combined with the easy elegance of the self assessment provides its superior value to you in knowing how to ensure the outcome of any efforts in IBM Integration Bus are maximized with professional results Your purchase includes access details to the IBM Integration Bus self assessment dashboard download which gives you your dynamically prioritized projects ready tool and shows you exactly what to do next Your exclusive instant access details can be found in your book You will receive the following contents with New and Updated specific criteria The latest quick edition of the book in PDF The latest complete edition of the book in PDF which criteria correspond to the criteria in The Self Assessment Excel Dashboard Example pre filled Self Assessment Excel Dashboard to get familiar with results generation In depth and specific IBM Integration Bus Checklists Project management checklists and templates to assist with implementation INCLUDES LIFETIME SELF ASSESSMENT UPDATES Every self assessment comes with Lifetime Updates and Lifetime Free Updated Books Lifetime Updates is an industry first feature which allows you to receive verified self assessment updates ensuring you always have the most accurate information at your fingertips **IBM Integration Bus A Complete Guide - 2020 Edition** Gerardus Blokdyk,2019-09-30 What are service oriented enterprises soes Do you expect the level of investment to continue Will you be using the supplied Tomcat App server How are you going to log events Do you continue with the current best practice or go with a new paradigm This easy IBM Integration Bus self assessment will make you the entrusted IBM Integration Bus domain assessor by revealing just what you need to know to be fluent and ready for any IBM Integration Bus challenge How do I

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An Architectural and Practical Guide to IBM Hybrid Integration Platform Carsten Börnert, Kim Clark, Shahir Daya, Matthieu Debeaux, Gerd Diederichs, Vasfi Gucer, Shamim Hossain, Gary Kean, Carlo Marcoli, Shohei Matsumoto, Amar Shah, Johan Thole, IBM Redbooks, 2017-01-12 In order to remain competitive in today s world companies need to be able to integrate internally and externally by connecting sensors customers and partners with the information in their systems of record In short they need to integrate with everything This IBM Redbooks publication describes how IBM Application Integration Suite and IBM Messaging portfolio can be used to satisfy the needs of core hybrid integration use cases accelerating companies in their digital transformation journey All concepts are explained within the context of these use cases Joining the API economy Improving productivity Refactoring for innovation The target audience for this book is cloud and integration architects and specialists who are implementing hybrid integration solutions

Systems of Insight for Digital Transformation: Using IBM Operational Decision Manager Advanced and Predictive Analytics Whei-Jen Chen, Rajeev Kamath, Alexander Kelly, Hector H. Diaz Lopez, Matthew Roberts, Yee Pin Yheng, IBM Redbooks, 2015-12-03 Systems of record SORs are engines that generates value for your business Systems of

engagement SOE are always evolving and generating new customer centric experiences and new opportunities to capitalize on the value in the systems of record The highest value is gained when systems of record and systems of engagement are brought together to deliver insight Systems of insight SOI monitor and analyze what is going on with various behaviors in the systems of engagement and information being stored or transacted in the systems of record SOIs seek new opportunities risks and operational behavior that needs to be reported or have action taken to optimize business outcomes Systems of insight are at the core of the Digital Experience which tries to derive insights from the enormous amount of data generated by automated processes and customer interactions Systems of Insight can also provide the ability to apply analytics and rules to real time data as it flows within throughout and beyond the enterprise applications databases mobile social Internet of Things to gain the wanted insight Deriving this insight is a key step toward being able to make the best decisions and take the most appropriate actions Examples of such actions are to improve the number of satisfied clients identify clients at risk of leaving and incentivize them to stay loyal identify patterns of risk or fraudulent behavior and take action to minimize it as early as possible and detect patterns of behavior in operational systems and transportation that lead to failures delays and maintenance and take early action to minimize risks and costs IBM Operational Decision Manager is a decision management platform that provides capabilities that support both event driven insight patterns and business rule driven scenarios It also can easily be used in combination with other IBM Analytics solutions as the detailed examples will show IBM Operational Decision Manager Advanced along with complementary IBM software offerings that also provide capability for systems of insight provides a way to deliver the greatest value to your customers and your business IBM Operational Decision Manager Advanced brings together data from different sources to recognize meaningful trends and patterns It empowers business users to define manage and automate repeatable operational decisions As a result organizations can create and shape customer centric business moments This IBM Redbooks publication explains the key concepts of systems of insight and how to implement a system of insight solution with examples It is intended for IT architects and professionals who are responsible for implementing a systems of insights solution requiring event based context pattern detection and deterministic decision services to enhance other analytics solution components with IBM Operational Decision Manager Advanced

Responsive Mobile User Experience Using MQTT and IBM MessageSight Whei-Jen Chen,Rahul Gupta,Valerie Lampkin,Dale M Robertson,Nagesh Subrahmanyam,IBM Redbooks,2014-03-26 IBM MessageSight is an appliance based messaging server that is optimized to address the massive scale requirements of machine to machine m2m and mobile user scenarios IBM MessageSight makes it easy to connect mobile customers to your existing messaging enterprise system enabling a substantial number of remote clients to be concurrently connected The MQTT protocol is a lightweight messaging protocol that uses publish subscribe architecture to deliver messages over low bandwidth or unreliable networks A publish subscribe architecture works well for HTML5 native and hybrid mobile applications by removing the wait time of a request response

model This creates a better richer user experience The MQTT protocol is simple which results in a client library with a low footprint MQTT was proposed as an Organization for the Advancement of Structured Information Standards OASIS standard This book provides information about version 3.1 of the MQTT specification This IBM Redbooks publication provides information about how IBM MessageSight in combination with MQTT facilitates the expansion of enterprise systems to include mobile devices and m2m communications This book also outlines how to connect IBM MessageSight to an existing infrastructure either through the use of IBM WebSphere MQ connectivity or the IBM Integration Bus formerly known as WebSphere Message Broker This book describes IBM MessageSight product features and facilities that are relevant to technical personnel such as system architects to help them make informed design decisions regarding the integration of the messaging appliance into their enterprise architecture Using a scenario based approach you learn how to develop a mobile application and how to integrate IBM MessageSight with other IBM products This publication is intended to be of use to a wide ranging audience

Rapid Deployment of Integrated WebSphere Solutions in Your Cloud Barkana

Emrah, Antonella Bertoletti, Stefano Bussaglia, Ernest Calalang, Sebastian Kapciak, Leonardo Olivera, Sergio Polastri, Fabio Silva, Margaret Ticknor, IBM Redbooks, 2014-12-16 This IBM Redbooks publication uses the same practical solution and is an extension to Creating Integrated WebSphere Solutions using Application Lifecycle Management SG24 8243 00 This paper demonstrates how to take an existing application that was built in a legacy environment and bring that application to IBM PureApplication Systems using preferred practices for deployment and automation The process is illustrated using a business scenario This publication is intended for architects developers and administrators who want to know about the next generation of technology that modern IT organizations are moving rapidly towards Application integration and systems development

Hybrid Cloud Event Integration: Integrate Your Enterprise and Cloud with Bluemix Integration Services

Jesse Aulsebrook, Richard Scott Balson, Maxime Cenatiempo, Vasfi Gucer, Shamim Hossain, Muhammad Atif Mehmood, Raj Mehra, Duy Nguyen, Bancha Setthanan, Amar Shah, IBM Redbooks, 2016-02-18 The event centric hybrid cloud integration revolves around applications running based on events or messages The new event centric approach to hybrid cloud aims to simplify the task of managing these messages while increasing the overall reliability of the system Event centric applications work well in the cloud due to the varying intensity and frequency of events These fluctuations fit well into a cloud infrastructure that can dynamically scale to fit those needs An event centric approach cuts down on communication overhead for an application thus helping to speed up the development process IBM Hybrid Integration Services is a set of hybrid cloud capabilities in IBM Bluemix that allows businesses to create hybrid clouds by connecting their Bluemix environment to on premises systems at the application programming interface API data or event level In November 2015 the IBM International Technical Support Organization ITSO IBM Redbooks team published a Redbooks publication that covers hybrid cloud scenarios with Bluemix for API and data integrations Hybrid Cloud Data and API Integration Integrate Your Enterprise and

Cloud with Bluemix Integration Services SG24 8277 and can be found at the following website <http://www.redbooks.ibm.com/Redbooks.nsf/RedbookAbstracts/sg248277.html> Open Hybrid Cloud Event Integration Integrate Your Enterprise and Cloud with Bluemix Integration Services SG24 8281 is a companion book to SG24 8277 and focuses on event centric hybrid cloud integrations with Bluemix

Creating Integrated IBM WebSphere Solutions using Application Lifecycle Management Emrah Barkana, Antonella Bertoletti, Stefano Bussaglia, Ernest Calalang, Sebastian Kapciak, Leonardo Olivera, Sergio Polastri, Fabio Silva, IBM Redbooks, 2014-12-21 This IBM Redbooks publication demonstrates through a practical solution and step by step implementation instructions how customers can use the IBM Rational Application Lifecycle Management ALM portfolio to build and manage an integrated IBM WebSphere Application Building a business application mobile and desktop that uses WebSphere Application Server IBM MQ IBM Integration Bus IIB Business Process Management BPM Operational Decision Management ODM and Mobile IBM Redpaper™ publication Rapid deployment of integrated WebSphere solutions in your cloud REDP 5132 is an extension to this IBM Redbooks publication Using the same practical solution covered in this Redbooks publication REDP 5132 demonstrates how the IBM PureApplication System is a logical extension versus a whole new world covering PureApplication Patterns and the new PureApplication as a service on Softlayer The intended audience for this book is architects developers administrators and DevOps personnel

IBM CICS and the Coupling Facility: Beyond the Basics Arndt Eade, Randy Frerking, Rich Jackson, Kellie Mathis, IBM Redbooks, 2018-02-21 It's easy to look at the title of a book and think that's old news or I already know all there is to know on that subject But before you dismiss this publication consider just how far the IBM Parallel Sysplex architecture has come From the early days the mainframe has embraced a shared everything approach The original designers coded IBM z OS called IBM MVSTM or IBM OS 390 back then with the functionality necessary for the operating system to create the repositories manage the data flow and ensure the integrity of the systems involved From there the middleware systems provided the exploitation and advanced functions to mature the technology The component in the middle of all this great technology can easily be taken for granted That is the IBM Coupling Facility This IBM Redbooks publication discusses both traditional uses for the IBM Coupling Facility technology and new ways to use it with products such as IBM CICS You can learn how to perform new functions and have these functions benefit from the scalability and availability achieved only in a mainframe ecosystem Open standards are a large part of considerations today as most companies run IT shops with a mix of technology components As the world embraces these technologies it is necessary to understand how to mix the world of mainframe architectures and products with other open architectures This mix allows the best tool to be used to solve processing needs at the right cost and service levels Often the functions needed for modern processing can be found in house in places where staff are skilled and that already deliver the robust production environments you count on daily This book discusses these modern functions and how to achieve them with CICS use of the IBM Coupling Facility You will learn how

one IBM client Walmart took these concepts far beyond the original design as they share their experiences and even share code examples to help you get started The last chapter of this book shows what can be achieved when a combination of old and new functions are use together Even if you have familiarity with what could be done with the IBM Coupling Facility in the past there is much to learn and deploy in a modern world Those who are familiar with the IBM Coupling Facility might find the content of this book helpful Additionally readers who are considering how to use the IBM Coupling Facility technology within their environment might also find useful information in the chapters that follow

Creating Hybrid Clouds with IBM Bluemix Integration Services David Kwock,Rahul Gupta,Vasfi Gucer,IBM Redbooks,2016-01-20 A hybrid cloud is considered as the integration of multiple clouds that are aligned to the unique characteristics of different system types IBM defines a hybrid cloud as a secure cloud computing environment that uses services from two or more sources such as a private cloud public cloud or traditional IT sources A hybrid cloud transforms roles throughout the organization and allows business leaders and developers to innovate efficiently and faster Applications that are built around a hybrid cloud infrastructure typically revolve around at least one of the following pillars of hybrid integration API centric applications Data centric applications Event centric applications This IBM Redbooks Solution Guide describes Bluemix integration services and how to use them to connect Bluemix applications to on premise systems

IBM MQ V8 Features and Enhancements Rufus Credle,Carolyn Elkins,Peter Hayward,Valerie Lampkin,Matthew Leming,Jonatan Maya Sanchez,Mark Taylor,Mark Wilson,IBM Redbooks,2014-10-02 The power of IBM MQ is its flexibility combined with reliability scalability and security This flexibility provides a large number of design and implementation choices Making informed decisions from this range of choices can simplify the development of applications and the administration of an MQ messaging infrastructure Applications that access such an infrastructure can be developed using a wide range of programming paradigms and languages These applications can run within a substantial array of software and hardware environments Customers can use IBM MQ to integrate and extend the capabilities of existing and varied infrastructures in the information technology IT system of a business IBM MQ V8 0 was released in June 2014 Before that release the product name was IBM WebSphere MQ This IBM Redbooks publication covers the core enhancements made in IBM MQ V8 and the concepts that must be understood A broad understanding of the product features is key to making informed design and implementation choices for both the infrastructure and the applications that access it Details of new areas of function for IBM MQ are introduced throughout this book such as the changes to security publish subscribe clusters and IBM System z exploitation This book is for individuals and organizations who make informed decisions about design and applications before implementing an IBM MQ infrastructure or begin development of an IBM MQ application

IBM z/OS Container Extensions (zCX) Use Cases Lydia Parziale,Marco Egli,Maike Havemann,Subhajit Maitra,Eric Marins,Edward McCarthy,IBM Redbooks,2021-07-12 Is it time for you to modernize your IBM z OS applications to allow for access to an entire system of open source and Linux on IBM Z

workloads Is co location of these workloads on the z OS platform with no porting requirements of value to you Your open source or Linux on IBM Z software can benefit from being co located and managed inside a z OS environment leveraging z OS quality of service for optimized business continuity Your software can be integrated with and can help complement existing z OS workloads and environments If your software can communicate with z OS and external components by using TCP IP now is the time examine how IBM z OS Container Extensions IBM zCX makes it possible to integrate Linux on Z applications with z OS This IBM Redbooks publication is a follow on to Getting started with z OS Container Extensions and Docker SG24 8457 which provides some interesting use cases for zCX We start with a brief overview of IBM zCX In Part 1 Integration on page 9 we demonstrate use cases that integrate with zCX In Part 2 DevOps in zCX on page 165 we describe how organizations can benefit from running a DevOps flow in zCX and we describe the set up of necessary components Finally in Part 3 Monitoring and managing zCX systems on page 229 we discuss IBM Service Management Unite Automation a free of charge customizable dashboard interface and an important discussion of creating the suitable container restart policy

Establishing a Secure Hybrid Cloud with the IBM PureApplication Family Amit P. Acharya, Tom Bal, Chris Clark, Addison Goering, David Graesser, Angelo Littera, Marcelo Manhaes, Gregory Scott, IBM Redbooks, 2016-02-08 This IBM Redbooks publication takes you on a hybrid cloud journey with IBM PureApplication System and PureApplication Service from the what over the why and to the how We outline the needs for a hybrid PureApplication cloud and we describe how to build a strategy We provide advice about the components including security Through use cases we define the need and the strategy for a hybrid cloud implementation with IBM PureApplication System Software or Service The target audience for this book varies from anyone who is interested in learning more about a true hybrid cloud solution from IBM to strategists IT architects and IT specialists who want an overview of what is required to build a hybrid cloud with IBM PureApplication family members

CICS and DevOps: What You Need to Know Hernan Cunico, Rod Ainge, Chris Carlin, Ben Cox, Tsahi Duek, Ezriel Gross, Lydia Hao Yang Li, Subhajit Maitra, IBM Redbooks, 2016-01-12 This IBM Redbooks publication provides an example approach of an agile IT team that implements development and operations DevOps capabilities into an IBM CICS application Several tools are used to show how teams can achieve transparency traceability and automation in their application lifecycle with the assistance of all the stakeholders to deliver high quality application changes that meet the requirements The application changes that are built highlight the composable and dynamic nature of using CICS the Liberty JVM runtime server and IBM UrbanCode™ Deploy which allows developers to get their applications running quickly by using only the programming model features that are required for their applications The target audience for this publication is IT developers managers and architects and project managers test managers and developers and operations managers and developers

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 JVMs 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

Pro (IBM) WebSphere Application Server 7 Internals Colin Renouf, 2009-08-29 Pro IBM WebSphere Application Server 7 Internals covers the internal architecture and implementation of the WebSphere Application Server WAS version 7 product set and how other IBM products extend it It presents information to enable administrators developers and architects to learn about the aspects of WAS that apply to them Administrators will come to understand how the WAS7 environment functions to best optimize it for their environment and what to do when things go wrong Developers will learn to extend the functionality in the base WAS product Architects will see how the WAS product underpins the IBM offerings to fit in an enterprise

Implementing an Advanced Application Using Processes, Rules, Events, and Reports Ahmed Abdel-Gayed, Kulvir Singh Bhogal, Don Carr, Richard Davies, Aditya P Dutta, Marcelo Correia Lima, Agueda Martinez Hernandez Magro, Yuka Musashi, Michael Norris, Felix Pistorius, Martin Keen, IBM Redbooks, 2012-10-12 In this IBM Redbooks publication we describe how to build an advanced business application from end to end We use a fictional scenario to define the application document the deployment methodology and confirm the roles needed to support its development and deployment Through step by step instructions you learn how to Define the project lifecycle using IBM Solution for Collaborative Lifecycle Management Build a logical and physical data model in IBM InfoSphere Data Architect Confirm business rules and business events using IBM WebSphere Operational Decision Management Map a business process and mediation using IBM Business Process Manager Use IBM Cognos Business Intelligence to develop business insight In addition we articulate a testing strategy using IBM Rational Quality Manager and

deployment options using IBM Workload Deployer Taken together this book provides comprehensive guidance for building and testing a solution using core IBM Rational Information Management WebSphere Cognos and Business Process Management software It seeks to demystify the notion that developing and deploying advanced solutions is taxing This book will appeal to IT architects and specialists who seek straightforward guidance on how to build comprehensive solutions They will be able to adapt these materials to kick start their own end to end projects

Decoding **Ibm Integration Bus Book**: Revealing the Captivating Potential of Verbal Expression

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