# WebSphere Operational Decision Management

## WebSphere Decision Center

Versioning

Decision Artifacts          Access and Control

**BPM Repository**

Define → Update

Visibility and Governance

Deploy → Measure
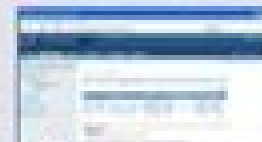
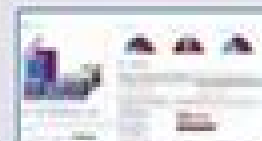## WebSphere Decision Server

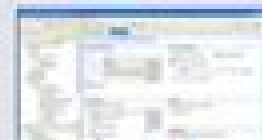| Rule Execution | Event Execution | Decision Monitoring | Connectors |

### Management

Decision Center Enterprise Console

Decision Center Business Console

### Design

Rule Designer Event Designer

# Websphere Operational Decision Management Documentation

**Clifford Lane**

**Websphere Operational Decision Management Documentation:**

*Making Better Decisions Using IBM WebSphere Operational Decision Management* Duncan Clark,Pierre Berlandier,IBM Redbooks,2012-04-05 Decision management is emerging as an important capability for delivering agile business solutions Decision management is not a solution in its own right but must be integrated into the solutions or business processes that it supports In this IBM RedpapersTM publication we describe the recommended best practices and integration concepts that use the business events business rules and other capabilities of IBM WebSphere Operational Decision Management V7 5 WebSphere ODM to provide better decision making in those solutions and business processes **IBM Operational Decision Management V8.0 Performance Tuning Guide** David Granshaw,Daniel McGinnes,Pierre-Andre Paumelle,IBM Redbooks,2013-01-29 IBM Operational Decision Management ODM is a family of products used by IT and business users to create and manage business decision logic throughout their organization This IBM RedpaperTM publication offers advice on all aspects of performance including hardware architecture authoring quality of service monitoring and tuning The advice is based upon preferred practices and experience gained from real customer situations This paper is aimed at a wide ODM audience including IBM employees and customers and provides useful information to both new and experienced users Although the product family is known as IBM WebSphere Operational Decision Management WODM at V8 0 with V8 0 1 the the name is now simply IBM Operational Decision Manager ODM The performance information in this paper is based on V8 0 of this product family and differences introduced with V8 0 1 are pointed out **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 **Governing Operational Decisions in an Enterprise Scalable Way** Jonathon Carr,Eric Charpentier,Nigel Crowther,Guillaume Devillers,Sophie Fargier,Julie Holm,IBM Redbooks,2017-08-02 This IBM Redbooks publication introduces operational decision governance and describes in detail how to implement it using the IBM Operational Decision Manager ODM platform ODM allows businesses to automate and manage day to day operational decisions It provides an integrated repository and management components for line of business subject matter experts to directly participate in the definition and governance of rules based decision logic organized in decision services Governance of changes to decision services is of particular importance and value This book describes how organizations can choose between the built in ODM decision governance framework or a custom governance based on manually managed branches Related topics such as access control permissions and user management are covered and give a full view on decision service governance You will find this book valuable if you are using or considering the usage of an operational decision management system in your organization either with ODM on premises or ODM on Cloud offerings This book was written to help assist the following target audience in applying Decision Management technology successfully IT Project Managers need to understand how decision governance differs from IT Governance and how ODM straddles both worlds to facilitate agile change IT Technical Architects need to understand how to architect ODM to sit inside both the IT and business worlds Business Analysts need to understand the processes for changing business policies using ODM Decision Center Business Rule Development Teams need to understand the best way to structure rule projects for scalability and maintainability **Flexible Decision Management with Business Rules on IBM z Systems** Mark Hiscock,Guy Hindle,Mike Johnson,Tim Wuthenow,James Taylor,David Griffiths,Graeme Everton,IBM Redbooks,2015-06-26 The IBM Operational Decision Manager product family provides value to organizations that want to

improve the responsiveness and precision of automated decisions This decision management platform on IBM z OS provides comprehensive automation and governance of operational decisions that are made within mainframe applications These decisions can be shared with other cross platform applications providing true enterprise decision management This IBM Redbooks publication makes the case for using Operational Decision Manager for z OS and provides an overview of its components It is aimed at IT architects enterprise architects and development managers looking to build rule based solutions Step by step guidance is provided about getting started with business rules by using a scenario based approach This book provides detailed guidelines for testing and simulation and describes advanced options for decision authoring Finally it describes and documents multiple runtime configuration options This third edition SG24 8014 02 of this IBM Redbooks publication updated the information presented in this book to reflect function available in IBM Operational Decision Manager for z OS Version 8 7 1     **Rules on the Web: Research and Applications** Antonis Bikakis,Adrian Giurca,2012-08-22 This book constitutes the refereed proceedings of the International RuleML Symposium RuleML 2012 held in Montpellier France in August 2012 collocated with the 20th biennial European Conference on Artificial Intelligence ECAI 2012 The 14 full papers 8 short papers and 2 track papers presented together with 2 keynote talks were carefully reviewed and selected from numerous submissions The accepted papers address topics such as business rules and processes rule based event processing and reaction rules rule based policies and agents on the pragmatic web rules and the semantic web rule markup languages and rule interchange and rule transformation extraction and learning     **Architect's Guide to IBM CICS on System z** Phil Wakelin,Ahmed Farrag,Steve Hobson,Manuel Jaen,Tommy Joergensen,Thiago Rotta,IBM Redbooks,2012-11-20 IBM CICS Transaction Server CICS TS has been available in various guises for over 40 years and continues to be one of the most widely used pieces of commercial software This IBM Redbooks publication helps application architects discover the value of CICS Transaction Server to their business This book can help architects understand the value and capabilities of CICS Transaction Server and the CICS tools portfolio The book also provides detailed guidance on the leading practices for designing and integrating CICS applications within an enterprise and the patterns and techniques you can use to create CICS systems that provide the qualities of service that your business requires     **Using IBM Operational Decision Manager: IMS COBOL BMP, COBOL DLIBATCH, and COBOL MPP** Fiona Crowther,Deepak Kohli,Axel Buecker,IBM Redbooks,2013-06-06 IBM Operational Decision Manager ODM is an implementation of a Business Rule Management System BRMS It enables you to create manage test and govern business rules and events You can store these in a central repository where multiple individuals and software products can access them IBM ODM Version 8 0 provides support for IBM IMSTM COBOL programs This IBM RedpaperTM publication walks you through a step by step approach for using IBM ODM for rules management from an IMS COBOL MPP BMP or DL IBATCH program     *A Software Architect's Guide to New Java Workloads in IBM CICS Transaction Server* Rufus Credle,George Burgess,Paul Cooper,Mark Hiscock,Mark Hollands,Mitch Johnson,Subhajit

Maitra,Geoffrey Pirie,Bei Chun Zhou,IBM Redbooks,2015-01-21 This IBM Redpaper Redbooks publication introduces the IBM System z New Application License Charges zNALC pricing structure and provides examples of zNALC workload scenarios It describes the products that can be run on a zNALC logical partition LPAR reasons to consider such an implementation and covers the following topics Using the IBM WebSphere Application Server Liberty profile to host applications within an IBM CICS environment and how it interacts with CICS applications and resources Security technologies available to applications that are hosted within a WebSphere Application Server Liberty profile in CICS How to implement modern presentation in CICS with a CICS Liberty Java virtual machine JVM server How to share scenarios to develop Liberty JVM applications to gain benefits from IBM CICS Transaction Server for IBM z OS Value Unit Edition Considerations when using mobile devices to interact with CICS applications and explains specific CICS technologies for connecting mobile devices by using the z OS Value Unit Edition How IBM Operational Decision Manager for z OS runs in the transaction server to provide decision management services for CICS COBOL and PL I applications Installing the CICS Transaction Server for z OS CICS TS Feature Pack for Modern Batch to enable the IBM WebSphere batch environment to schedule and manage batch applications in CICS This book also covers what is commonly referred to as plain old Java objects POJOs The Java virtual machine JVM server is a full fledged JVM that includes support for Open Service Gateway initiative OSGi bundles It can be used to host open source Java frameworks and does just about anything you want to do with Java on the mainframe POJO applications can also qualify for deployment using the Value Unit Edition Read about how to configure and deploy them in this companion Redbooks publication IBM CICS and the JVM server Developing and Deploying Java Applications SG24 8038 Examples of POJOs are terminal initiated transactions CICS web support web services requests received via IP CICS sockets and messages coming in via IBM WebSphere MQ messaging software **Advanced Case Management with IBM Case Manager** Wei-Dong Zhu,Brian Benoit,Bob Jackson,Johnson Liu,Mike Marin,Seema Meena,Juan Felipe Ospina,Guillermo Rios,IBM Redbooks,2015-04-28 Organizations face case management challenges that require insight responsiveness and collaboration IBM Case Manager Version 5 2 is an advanced case management product that unites information process and people to provide the 360 degree view of case information and achieve optimized outcomes With IBM Case Manager knowledge workers can extract critical case information through integrated business rules collaboration and analytics This easy access to information enhances decision making ability and leads to more successful case outcomes IBM Case Manager also helps capture industry preferred practices in frameworks and templates to empower business users and accelerate return on investment This IBM Redbooks publication introduces the case management concept It includes the reason for and benefits of case management and why it is different from the traditional business process management or content management In addition this book addresses how you can design and build a case management solution with IBM Case Manager and integrate that solution with external products and components This book is intended to provide IT architects

and IT specialists with the high level concepts of case management and the capabilities of IBM Case Manager It also serves as a practical guide for IT professionals who are responsible for designing building customizing and deploying IBM Case Manager solutions      IBM Intelligent Operations Center V1.5 to V1.6 Migration Guide Sriram Balakrishnan,Tony Carrato,Sunil Mishra,Pam Nesbitt,Diwakar Puthalapat,Craig Scott,Jun Xia Zhou,IBM Redbooks,2014-05-09 IBM Intelligent Operations Center is an integrated solution and a continually evolving platform and set of capabilities The platform grows as the capabilities increase over time and new interfaces and integration points are introduced in each release The purpose of this IBM Redbooks publication is to guide planners architects and implementers through the options that they have to take advantage of the new capabilities and maximize the benefits of moving to the new release This book considers what has already been deployed with IBM Intelligent Operations Center V1 5 the benefits of the new version IBM Intelligent Operations Center V1 6 0 1 and the best way to take advantage of the new capabilities as you transition IBM Intelligent Operations Center has several integration and extension points for the previous and current versions of the product which points are documented and described in this book This IBM Redbooks publication describes options and considerations for the best way to migrate customizations and benefit from the new architecture Thorough details about the differences between the prior and new versions of the product are provided to enable a clear understanding of migration choices options and preferred practices This book includes descriptions of the trade offs for each migration option and in depth information about data flows available tools and scripting changes that might affect existing IBM Intelligent Operations Center installations This book is targeted to the following audiences Line of business managers or stakeholders who are interested in understanding the new features in IBM Intelligent Operations Center V1 6 and who are looking for information about how to plan the migration of their current IBM Intelligent Operations Center V1 5 environments Architects who need to understand the effect that IBM Intelligent Operations Center V1 6 will have on the architecture of IBM Intelligent Operations Center V1 5 solutions IT specialists and product specialists who are responsible for implementing the migration of a solution based on IBM Intelligent Operations Center V1 5 to a V1 6 solution Readers of this book will benefit from the IBM Redbooks publication IBM Intelligent Operations Center 1 6 Programming Guide SG24 8201      **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 **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 *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

RedpaperTM 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 **Intelligent Automation with IBM Cloud Pak for Business Automation** Allen Chan,Kevin Trinh,Guilhem Molines,Suzette Samoojh,Stephen Kinder,2022-12-09 Leverage the low code no code approach in IBM Cloud Pak for business automation to accelerate your organization s digital transformation Purchase of the print or Kindle book includes a free eBook PDF Key FeaturesGet a comprehensive understanding of IBM Cloud Pak for Business AutomationTake a deep dive into insights on RPA workflow automation and automated decisionsDeploy and manage production grade automated solutions for scalability stability and performanceBook Description COVID 19 has made many businesses change how they work change how they engage their customers and even change their products Several of these businesses have also recognized the need to make these changes within days as opposed to months or weeks This has resulted in an unprecedented pace of digital transformation and success in many cases depends on how quickly an organization can react to real time decisions This book begins by introducing you to IBM Cloud Pak for Business Automation providing a hands on approach to project implementation As you progress through the chapters you ll learn to take on business problems and identify the relevant technology and starting point Next you ll find out how to engage both the business and IT community to better understand business problems as well as explore practical ways to start implementing your first automation project In addition the book will show you how to create task automation interactive chatbots workflow automation and document processing Finally you ll discover deployment best practices that ll help you support highly available and resilient solutions By the end of this book you ll have a firm grasp on the types of business problems that can be solved with IBM Cloud Pak for Business Automation What you will learnUnderstand key IBM automation technologies and learn how to apply them Cover the end to end journey of creating an automation solution from concept to deploymentUnderstand the features and capabilities of workflow decisions RPA business applications and document processing with AIAnalyze your business processes and discover automation opportunities with process miningSet up content management solutions that meet business regulatory and compliance needsUnderstand deployment environments supported by IBM Cloud Pak for Business AutomationWho this book is for This book is for robotic process automation RPA professionals and automation consultants who want to accelerate the digital transformation of their businesses using IBM automation This book is also useful for solutions architects or enterprise architects looking for best practices to build resilient and scalable AI driven automation solutions A basic understanding of business processes low code visual modeling techniques RPA and AI concepts is assumed *z/TPF Application Modernization using Standard and Open Middleware* Lisa Dianne Banks,Mark

Cooper,Chris Coughlin,Jamie Farmer,Chris Filachek,Mark Gambino,Bradd Kadlecik,Colette A. Manoni,David McCreedy,Carolyn Weiss,Josh Wisniewski,IBM Redbooks,2013-06-28 In a world where product lifespans are often measured in months the IBM Transaction Processing Facility has remained relevant for more than four decades by continuing to process high volumes of transactions quickly and reliably As the title of this book suggests the z TPF system uses open standard interfaces to create services Integration of new applications with existing z TPF functions is a key factor in extending application capabilities The ability for service data objects SDO to access the z TPF Database Facility z TPFDF provides a framework for data application program development that includes an architecture and application programming interfaces APIs SDO access to z TPFDF provides remote client applications with access to z TPF traditional data In the simplest terms service oriented architecture SOA is a means by which like or unlike systems can communicate with one another despite differences between each system s heritage SOA can neutralize the differences between systems so that they understand one another SOA support for z TPF is a means by which z TPF can interact with other systems that also support SOA This book discusses various aspects of SOA in the z TPF system including explanations and examples to help z TPF users implement SOA IBM WebSphere Application Server was chosen as the partner system as a means of demonstrating how a world class transaction server and a world class application server can work together This book shows you how you can exploit z TPF as a transaction server participating in a SOA structure alongside WebSphere Application Server This IBM Redbooks publication provides an introduction to z TPF and the technologies critical to SOA z TPF is positioned as a provider or consumer in an SOA by supporting SOAP processing communication bindings and Extensible Markup Language XML An example is used to show how z TPF can be used both as a Web service provider and as a consumer A second example shows how to use WebSphere Operational Decision Management to apply business rules A third example shows how business event processing can be incorporated in z TPF applications An example is also used to discuss security aspects including z TPF XML encryption and the z TPF WS Security wrapper The main part of the book concludes with a discussion of z TPF in an open systems environment including examples of lightweight implementations to fit z TPF such as the HTTP server for the z TPF system The appendixes include information and examples using TPF Toolkit sample code and workarounds with yes more examples     *IBM Software for SAP Solutions* Yaro Dunchych,Peter Bahrs,Khirallah Birkler,Bernd Eberhardt,Navneet Goyal,James Hunter,Derek Jennings,Joe Kaczmarek,Michel Laaroussi,Michael Love,Stefan Momma,Nick Norris,Martin Oberhofer,Manfred Oevers,Paul Pacholski,Andrew Stalnecker,Jörg Stolzenberg,Pierre Valiquette,IBM Redbooks,2015-09-29 SAP is a market leader in enterprise business application software SAP solutions provide a rich set of composable application modules and configurable functional capabilities that are expected from a 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 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 systems Portals Messaging infrastructure Business process management BPM tools Enterprise Content Management ECM methods and tools Business analytics BA and business intelligence BI technologies Security Systems of record Systems of engagement The tooling included with SAP software addresses many needs for creating SAP centric environments However the 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 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 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 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 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 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 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 process optimization master data management mobile access Enterprise Content Management business intelligence DevOps security systems monitoring and 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 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 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 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 value to those reading it This IBM Redbooks publication is targeted to the following audiences Client decision makers and solution architects leading enterprise transformation 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        **Practical Cloud-Native Java Development with MicroProfile** Emily Jiang,Andrew McCright,John Alcorn,David Chan,Alasdair Nottingham,Eric Herness,2021-09-22 Written by leading MicroProfile experts this book provides you with best practices for building enterprise grade cloud native applications using MicroProfile 4 1 and running them on Open Liberty with Docker Kubernetes and Istio Key FeaturesApply your knowledge of MicroProfile APIs to develop cloud native applicationsUse MicroProfile Health to provide the startup liveness and readiness status of your enterprise

applicationBuild an end to end stock trader project and containerize it to deploy to the cloud with Istio interactionBook Description In this cloud native era most applications are deployed in a cloud environment that is public private or a combination of both To ensure that your application performs well in the cloud you need to build an application that is cloud native MicroProfile is one of the most popular frameworks for building cloud native applications and fits well with Kubernetes As an open standard technology MicroProfile helps improve application portability across all of MicroProfile s implementations Practical Cloud Native Java Development with MicroProfile is a comprehensive guide that helps you explore the advanced features and use cases of a variety of Jakarta and MicroProfile specifications You ll start by learning how to develop a real world stock trader application and then move on to enhancing the application and adding day 2 operation considerations You ll gradually advance to packaging and deploying the application The book demonstrates the complete process of development through to deployment and concludes by showing you how to monitor the application s performance in the cloud By the end of this book you will master MicroProfile s latest features and be able to build fast and efficient cloud native applications What you will learnUnderstand best practices for applying the 12 Factor methodology while building cloud native applicationsCreate client server architecture using MicroProfile Rest Client and JAX RSConfigure your cloud native application using MicroProfile ConfigSecure your cloud native application with MicroProfile JWTBecome well versed with running your cloud native applications in Open LibertyGrasp MicroProfile Open Tracing and learn how to use Jaeger to view trace spansDeploy Docker containers to Kubernetes and understand how to use ConfigMap and Secrets from KubernetesWho this book is for This book is for Java application developers and architects looking to build efficient applications using an open standard framework that performs well in the cloud DevOps engineers who want to understand how cloud native applications work will also find this book useful A basic understanding of Java Docker Kubernetes and cloud is needed to get the most out of this book      Creating Composite Application Pattern Models for IBM PureApplication System Prashanth Bhat,Julian Foster,Mahmoud Galal,Lei He,Andre Tost,Yue Wang,IBM Redbooks,2013-08-22 This IBM Redbooks publication describes how IBM PureApplicationTM System supports the creation of virtual systems and virtual applications PureApplication System does so using a pattern model that enables you to take advantage of predefined pre configured and proven middleware topologies and deployments This book also presents an abstraction level that focuses on functional capabilities and applications completely encapsulating the underlying middleware It describes in detail the model and the associated frameworks in PureApplication System as well as a methodology and approach toward designing and implementing a custom pattern model This book shows concrete implementation examples that you can use when creating your own pattern model paired with a collection of leading practices This IBM Redbooks publication gives critical guidance to and serves as a reference for independent software vendors ISVs who want to create patterns for their packaged applications on PureApplication System Clients who want to extend and enhance their existing patterns can also use this book

*Machine Learning with Business Rules on IBM Z: Acting on Your Insights* Mike Johnson,Chris Backhouse,Stéphane Faure,David Griffiths,Yann Kindelberger,Ke Wei Wei,Hao Zhang,IBM Redbooks,2019-12-11 This Redpaper introduces the integration between two IBM products that you might like to consider when implementing a modern agile solution on your Z systems The document briefly introduces Operational Decision Manager on z OS and Machine learning on z OS In the case of Machine Learning we focus on the aspect of real time scoring models and how these can be used with Business Rules to give better decisions Note Important changes since this document was written This document was written for an older release of Operational Decision Manager for z OS ODM for z OS ODM for z OS 8 9 1 required the writing of custom Java code to access a Watson Machine Learning for z OS Scoring Service this can be seen in Since that time ODM for z OS version 8 10 1 has been released and much improves the integration experience Integrating the two products no longer requires custom Java code Using ODM for z OS 8 10 1 or later you can use an automated wizard in the ODM tooling to Browse and select a model from Watson Machine Learning Import the Machine Learning data model into your rule project Automatically generate a template rule that integrates a call to the Watson Machine Learning scoring service Download and read this document for Individual introductions to ODM for z OS and Machine learning Discussions on the benefits of using the two technologies together Information on integrating if you have not yet updated to ODM for z OS 8 10 1 For information about the machine learning integration in ODM for z OS 8 10 1 see IBM Watson Machine Learning for z OS integration topic in the ODM for z OS 8 10 x Knowledge Center

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**Websphere Operational Decision Management Documentation Introduction**

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