

agile master data management

Agile Master Data Management: Navigating the Shifting Sands of Data Governance

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Abstract: This analysis explores the rise of agile master data management (Agile MDM) as a response to the increasing complexity and dynamism of modern data landscapes. We will critically assess its impact on current trends, highlighting its benefits, challenges, and future implications within the context of broader data governance initiatives.

1. Introduction: The Need for Agile Master Data Management

Traditional Master Data Management (MDM) approaches often struggle to keep pace with the rapid changes inherent in today's business environment. The rigid, waterfall-style methodologies employed in many legacy MDM implementations often result in lengthy implementation cycles, inflexible solutions, and a lack of responsiveness to evolving business needs. This is where agile master data management steps in. Agile MDM leverages the principles of agility – iterative development, continuous feedback, and adaptability – to create a more dynamic and responsive approach to managing master data. This allows organizations to react quickly to changing market demands and business priorities, while still maintaining data quality and consistency.

2. Core Principles of Agile Master Data Management

Agile MDM incorporates several key principles:

Iterative Development: Instead of a large, upfront design, Agile MDM favors smaller, incremental iterations. This allows for continuous testing, feedback, and adjustments throughout the process.

Continuous Feedback: Stakeholders are actively involved throughout the process,

providing feedback and guiding the development of the MDM solution.

Adaptability: The process is designed to be flexible and adaptable to changing requirements and priorities. This ensures that the MDM solution remains relevant and effective over time.

Collaboration: Agile MDM relies on strong collaboration between IT, business users, and data governance teams.

Prioritization: A prioritized backlog of features and functionalities ensures that the most critical elements are addressed first.

Data Quality Focus: While iterative, Agile MDM doesn't compromise on data quality.

Robust data quality checks and validation are built into each iteration.

3. Agile MDM's Impact on Current Trends

The rise of big data, cloud computing, and the increasing importance of data-driven decision-making have all contributed to the growing popularity of agile master data management. Specifically:

Increased Agility and Responsiveness: Businesses need to respond quickly to changing market conditions and customer demands. Agile MDM enables this by allowing for faster implementation and adaptation of MDM solutions.

Improved Data Quality: Iterative development and continuous feedback loops contribute to higher data quality. Issues are identified and addressed early in the process.

Reduced Costs and Risks: The iterative approach minimizes the risk of costly errors and rework, leading to cost savings.

Enhanced Collaboration: Agile MDM fosters collaboration between IT and business users, leading to a more effective and efficient MDM solution.

Better Alignment with Business Goals: By incorporating continuous feedback and prioritizing features based on business needs, Agile MDM ensures better alignment with strategic goals.

4. Challenges of Implementing Agile Master Data Management

Despite its advantages, implementing agile master data management presents several challenges:

Resistance to Change: Adopting agile methodologies requires a shift in mindset and culture. This can be challenging in organizations accustomed to traditional, waterfall approaches.

Defining Success Metrics: Measuring success in an agile environment can be challenging, requiring the definition of appropriate metrics tailored to each iteration.

Managing Dependencies: Dependencies between different data sources and systems can complicate the implementation process.

Maintaining Data Consistency: Ensuring data consistency across iterations requires careful planning and coordination.

Skill Gap: Implementing Agile MDM requires skilled professionals proficient in both agile methodologies and data management.

5. The Future of Agile Master Data Management

The future of agile master data management is likely to be shaped by several factors, including:

Increased Automation: Automation tools will play an increasingly important role in streamlining the agile MDM process.

Integration with AI and Machine Learning: AI and ML will enhance data quality and improve the efficiency of MDM processes.

Greater Focus on Data Security and Privacy: Data security and privacy will remain paramount considerations in agile MDM implementations.

Adoption of Cloud-Based Solutions: Cloud-based MDM solutions will continue to gain popularity due to their scalability and flexibility.

6. Conclusion

Agile master data management is proving to be a powerful approach to managing master data in today's dynamic business environment. By embracing iterative development, continuous feedback, and adaptability, organizations can create more responsive, efficient, and cost-effective MDM solutions. While challenges remain, the benefits of Agile MDM significantly outweigh the obstacles, making it a crucial strategy for organizations seeking to leverage the power of their data.

FAQs

1. What is the difference between traditional MDM and Agile MDM? Traditional MDM uses waterfall methodologies, while Agile MDM uses iterative and incremental approaches.
1. How does Agile MDM improve data quality? Continuous feedback loops, iterative testing, and a focus on data quality throughout the development process.
1. What are the key metrics for measuring success in Agile MDM? Key metrics include data accuracy, completeness, timeliness, and the speed of issue resolution.
1. What are the biggest challenges in implementing Agile MDM? Resistance to change, managing dependencies, and defining success metrics.

1. How does Agile MDM support data governance? By creating a more flexible and responsive approach to data management, Agile MDM aligns better with evolving governance needs.
1. What role does automation play in Agile MDM? Automation streamlines repetitive tasks, improves efficiency, and reduces human error.
1. Can Agile MDM be applied to all types of master data? Yes, the principles of Agile MDM are applicable to all types of master data, although the specific implementation may vary.
1. What skills are needed for Agile MDM implementation? A mix of data management, agile methodology expertise, and strong communication skills are required.
1. How does Agile MDM address the issue of data silos? By fostering collaboration and communication, Agile MDM promotes better data integration and reduces data silos.

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agile master data management: Enterprise Master Data Management Allen Dreibelbis, Eberhard Hechler, Ivan Milman, Martin Oberhofer, Paul van Run, Dan Wolfson, 2008-06-05 The Only Complete Technical Primer for MDM Planners, Architects, and Implementers Companies moving toward flexible SOA architectures often face difficult information management and integration challenges. The master data they rely on is often stored and managed in ways that are redundant, inconsistent, inaccessible, non-standardized, and poorly governed. Using Master Data Management (MDM), organizations can regain control of their master data, improve corresponding business processes, and maximize its value in SOA environments. Enterprise Master Data Management provides an authoritative, vendor-independent MDM technical reference for practitioners:

architects, technical analysts, consultants, solution designers, and senior IT decisionmakers. Written by the IBM ® data management innovators who are pioneering MDM, this book systematically introduces MDM's key concepts and technical themes, explains its business case, and illuminates how it interrelates with and enables SOA. Drawing on their experience with cutting-edge projects, the authors introduce MDM patterns, blueprints, solutions, and best practices published nowhere else—everything you need to establish a consistent, manageable set of master data, and use it for competitive advantage. Coverage includes How MDM and SOA complement each other Using the MDM Reference Architecture to position and design MDM solutions within an enterprise Assessing the value and risks to master data and applying the right security controls Using PIM-MDM and CDI-MDM Solution Blueprints to address industry-specific information management challenges Explaining MDM patterns as enablers to accelerate consistent MDM deployments Incorporating MDM solutions into existing IT landscapes via MDM Integration Blueprints Leveraging master data as an enterprise asset—bringing people, processes, and technology together with MDM and data governance Best practices in MDM deployment, including data warehouse and SAP integration

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agile master data management: Multi-Domain Master Data Management Mark Allen, Dalton Cervo, 2015-03-21 Multi-Domain Master Data Management delivers practical guidance and specific instruction to help guide planners and practitioners through the challenges of a multi-domain master data management (MDM) implementation. Authors Mark Allen and Dalton Cervo bring their expertise to you in the only reference you need to help your organization take master data management to the next level by incorporating it across multiple domains. Written in a business friendly style with sufficient program planning guidance, this book covers a comprehensive set of topics and advanced strategies centered on the key MDM disciplines of Data Governance, Data Stewardship, Data Quality Management, Metadata Management, and Data Integration. - Provides a logical order toward planning, implementation, and ongoing management of multi-domain MDM from a program manager and data steward perspective. - Provides detailed guidance, examples and illustrations for MDM practitioners to apply these insights to their strategies, plans, and processes. - Covers advanced MDM strategy and instruction aimed at improving data quality management, lowering data maintenance costs, and reducing corporate risks by applying consistent enterprise-wide practices for the management and control of master data.

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concepts and serving as the basis for best practices for data management professionals. DAMA-DMBOK2 provides data management and IT professionals, executives, knowledge workers, educators, and researchers with a framework to manage their data and mature their information infrastructure, based on these principles: Data is an asset with unique properties; The value of data can be and should be expressed in economic terms; Managing data means managing the quality of data; It takes metadata to manage data; It takes planning to manage data; Data management is cross-functional and requires a range of skills and expertise; Data management requires an enterprise perspective; Data management must account for a range of perspectives; Data management is data lifecycle management; Different types of data have different lifecycle requirements; Managing data includes managing risks associated with data; Data management requirements must drive information technology decisions; Effective data management requires leadership commitment.

agile master data management: Agile Data Warehouse Design Lawrence Corr, Jim Stagnitto, 2011-11 Agile Data Warehouse Design is a step-by-step guide for capturing data warehousing/business intelligence (DW/BI) requirements and turning them into high performance dimensional models in the most direct way: by modelstorming (data modeling + brainstorming) with BI stakeholders. This book describes BEAM², an agile approach to dimensional modeling, for improving communication between data warehouse designers, BI stakeholders and the whole DW/BI development team. BEAM² provides tools and techniques that will encourage DW/BI designers and developers to move away from their keyboards and entity relationship based tools and model interactively with their colleagues. The result is everyone thinks dimensionally from the outset! Developers understand how to efficiently implement dimensional modeling solutions. Business stakeholders feel ownership of the data warehouse they have created, and can already imagine how they will use it to answer their business questions. Within this book, you will learn: □ Agile dimensional modeling using Business Event Analysis & Modeling (BEAM²) □ Modelstorming: data modeling that is quicker, more inclusive, more productive, and frankly more fun! □ Telling dimensional data stories using the 7Ws (who, what, when, where, how many, why and how) □ Modeling by example not abstraction; using data story themes, not crow's feet, to describe detail □ Storyboarding the data warehouse to discover conformed dimensions and plan iterative development □ Visual modeling: sketching timelines, charts and grids to model complex process measurement - simply □ Agile design documentation: enhancing star schemas with BEAM² dimensional shorthand notation □ Solving difficult DW/BI performance and usability problems with proven dimensional design patterns Lawrence Corr is a data warehouse designer and educator. As Principal of DecisionOne Consulting, he helps clients to review and simplify their data warehouse designs, and advises vendors on visual data modeling techniques. He regularly teaches agile dimensional modeling courses worldwide and has taught dimensional DW/BI skills to thousands of students. Jim Stagnitto is a data warehouse and master data management architect specializing in the healthcare, financial services, and information service industries. He is the founder of the data warehousing and data mining consulting firm Llumino.

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Getting the most out of your own personal agile coaching journey Whether you're an agile coach, leader, trainer, mentor, facilitator, ScrumMaster, project manager, product owner, or team member, this book will help you become skilled at helping others become truly great. What could possibly be more rewarding?

agile master data management: Requirements for an Mdm Solution Vicki McCracken, 2016-11-09 Working on Requirements for a Master Data Management solution and looking for thoughts on how to approach the requirements? The focus of this guide is to highlight a proven approach for requirements gathering and documentation for Master Data Management solutions. Requirements gathering and documentation activities are similar, regardless of the type of project. What differs is the approach, the emphasis of specific activities, and the content of work products. MDM projects do not come along often; this guide can serve as a roadmap for how to approach requirements for an MDM solution. The guide begins with a brief overview of Master Data Management. The guide then steps through the requirements activities and work products for each Solution Development Lifecycle phase. The requirements work products are described, along with an example of each work product. Below is a summary of the phases and primary work products produced: - Alignment: where the Business Requirements, including solution Features are defined - Solution Scoping: where the Solution Requirements, including Information Requirements, Business Rules, and Epics (Functions), are defined - Functional Requirements: where a given Epic (Function) is elaborated on, including inputs, outputs, data updates, business rules, an activity diagram, and associated User Stories - User Stories: where Acceptance Criteria is defined Keys to success are identified for the various phases. In addition, for Solution Scoping, there is a section which focuses on how to approach, plan, and track Solution Scoping. Finally, there is an overview of Change Management and Traceability. The Guide contains 44 illustrations, 32 of which are examples of work products. It includes many visual work products, which help to ensure a consistent understanding of the solution. The guide assumes some familiarity with requirements gathering techniques and work products; it does not focus on techniques. The guide demonstrates how to structure the various requirements activities, to successfully gather and document requirements for an MDM solution. The guide also does not focus on formulating an MDM Business Case, MDM Architecture, or technical system requirements. The guide is intended to assist requirements analysts in formulating an approach for how to gather and document requirements for a Master Data Management solution.

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agile master data management: Building the Agile Database Larry Burns, 2011-08-01 Is fast development the enemy of good development? Not necessarily. Agile development requires that databases are designed and built quickly enough to meet fast-based delivery schedules — but in a way that also delivers maximum business value and reuse. How can these requirements both be satisfied? This book, suitable for practitioners at all levels, will explain how to design and build enterprise-quality high-value databases within the constraints of an Agile project. Starting with an overview of the business case for good data management practices, the book defines the various stakeholder groups involved in the software development process, explains the economics of

software development (including “time to market” vs. “time to money”), and describes an approach to Agile database development based on the five PRISM principles. This book explains how to work with application developers and other stakeholders, examines critical issues in Agile Development and Data Management, and describes how developers and data professionals can work together to make Agile projects successful while delivering maximum value data to the enterprise. Building the Agile Database will serve as an excellent reference for application developers, data managers, DBAs, project managers, Scrum Masters and IT managers looking to get more value from their development efforts. Among the topics covered: 1. Why Agile is more than just the latest development fad 2. The critical distinction between the logical and physical views of data 3. The importance of data virtualization, and how to achieve it 4. How to eliminate the “object-relational impedance mismatch” 5. The difference between logical modeling and physical design 6. Why databases are more than “persistence engines” 7. When and how to do logical modeling and physical design 8. Use of the logical data model in model-driven development 9. Refactoring made easier 10. Developing an “Agile Attitude”

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agile master data management: Managing Data in Motion April Reeve, 2013-02-26 Managing Data in Motion describes techniques that have been developed for significantly reducing the complexity of managing system interfaces and enabling scalable architectures. Author April Reeve brings over two decades of experience to present a vendor-neutral approach to moving data between computing environments and systems. Readers will learn the techniques, technologies, and best practices for managing the passage of data between computer systems and integrating disparate data together in an enterprise environment. The average enterprise's computing

environment is comprised of hundreds to thousands computer systems that have been built, purchased, and acquired over time. The data from these various systems needs to be integrated for reporting and analysis, shared for business transaction processing, and converted from one format to another when old systems are replaced and new systems are acquired. The management of the data in motion in organizations is rapidly becoming one of the biggest concerns for business and IT management. Data warehousing and conversion, real-time data integration, and cloud and big data applications are just a few of the challenges facing organizations and businesses today. Managing Data in Motion tackles these and other topics in a style easily understood by business and IT managers as well as programmers and architects. - Presents a vendor-neutral overview of the different technologies and techniques for moving data between computer systems including the emerging solutions for unstructured as well as structured data types - Explains, in non-technical terms, the architecture and components required to perform data integration - Describes how to reduce the complexity of managing system interfaces and enable a scalable data architecture that can handle the dimensions of Big Data

agile master data management: How to Lead in Data Science Jike Chong, Yue Cathy Chang, 2021-12-28 A field guide for the unique challenges of data science leadership, filled with transformative insights, personal experiences, and industry examples. In How To Lead in Data Science you will learn: Best practices for leading projects while balancing complex trade-offs Specifying, prioritizing, and planning projects from vague requirements Navigating structural challenges in your organization Working through project failures with positivity and tenacity Growing your team with coaching, mentoring, and advising Crafting technology roadmaps and championing successful projects Driving diversity, inclusion, and belonging within teams Architecting a long-term business strategy and data roadmap as an executive Delivering a data-driven culture and structuring productive data science organizations How to Lead in Data Science is full of techniques for leading data science at every seniority level—from heading up a single project to overseeing a whole company's data strategy. Authors Jike Chong and Yue Cathy Chang share hard-won advice that they've developed building data teams for LinkedIn, Acorns, Yiren Digital, large asset-management firms, Fortune 50 companies, and more. You'll find advice on plotting your long-term career advancement, as well as quick wins you can put into practice right away. Carefully crafted assessments and interview scenarios encourage introspection, reveal personal blind spots, and highlight development areas. About the technology Lead your data science teams and projects to success! To make a consistent, meaningful impact as a data science leader, you must articulate technology roadmaps, plan effective project strategies, support diversity, and create a positive environment for professional growth. This book delivers the wisdom and practical skills you need to thrive as a data science leader at all levels, from team member to the C-suite. About the book How to Lead in Data Science shares unique leadership techniques from high-performance data teams. It's filled with best practices for balancing project trade-offs and producing exceptional results, even when beginning with vague requirements or unclear expectations. You'll find a clearly presented modern leadership framework based on current case studies, with insights reaching all the way to Aristotle and Confucius. As you read, you'll build practical skills to grow and improve your team, your company's data culture, and yourself. What's inside How to coach and mentor team members Navigate an organization's structural challenges Secure commitments from other teams and partners Stay current with the technology landscape Advance your career About the reader For data science practitioners at all levels. About the author Dr. Jike Chong and Yue Cathy Chang build, lead, and grow high-performing data teams across industries in public and private companies, such as Acorns, LinkedIn, large asset-management firms, and Fortune 50 companies. Table of Contents 1 What makes a successful data scientist? PART 1 THE TECH LEAD: CULTIVATING LEADERSHIP 2 Capabilities for leading projects 3 Virtues for leading projects PART 2 THE MANAGER: NURTURING A TEAM 4 Capabilities for leading people 5 Virtues for leading people PART 3 THE DIRECTOR: GOVERNING A FUNCTION 6 Capabilities for leading a function 7 Virtues for leading a function PART 4 THE EXECUTIVE: INSPIRING AN INDUSTRY 8

Capabilities for leading a company 9 Virtues for leading a company PART 5 THE LOOP AND THE FUTURE 10 Landscape, organization, opportunity, and practice 11 Leading in data science and a future outlook

agile master data management: Master Data Management for SaaS Applications

Whei-Jen Chen, Bhavani Eshwar, Ramya Rajendiran, Shettigar Srinivas, Manjunath B Subramanian, Bharathi Venkatasubramanian, IBM Redbooks, 2014-10-19 Enterprises today understand the value of employing a master data management (MDM) solution for managing and governing mission critical information assets. Chief data officers and chief information officers drive MDM initiatives with IBM® InfoSphere® Master Data Management to improve business results and operational efficiencies, which can help to lower costs and to reduce the risk of using untrusted master information in business process. Cloud computing introduces new considerations where enterprise IT architectures are extended beyond the corporate networks into the cloud. Many enterprises are now adopting turnkey business applications offered as software as a service (SaaS) solutions, such as customer relationship management (CRM), payroll processing, human resource management, and many more. However, in the context of MDM solutions, many organizations perceive risks in having these solutions deployed on the cloud. In some cases, organizations are concerned with the legal restrictions of deploying solutions on the cloud, whereas in other cases organizations have policies and strategies in force that limit solution deployment on the cloud. Irrespective of what all the cases might be, industry trends point to a prediction that many extended enterprises will keep MDM solutions on premises and will want its integrations with SaaS applications, specifically customer and asset domains. This trend puts a key focus on an important component in the solution construct, that is, the cloud integration middleware and how it fits with hybrid cloud architectures that span on premises and cloud services. As this trend pans out, the on-premises MDM solution integration with SaaS applications will be the key pain point for the extended enterprise. This IBM Redbooks® publication provides guidance to chief data officers, chief information officers, MDM practitioners, integration architects, and others who are interested in the integration of IBM InfoSphere Master Data Management with SaaS applications. This book lays the background on how mastering and governance needs for SaaS applications is quite similar to what on-premises business applications would need. It draws the perspective for serving the on-premises application and the SaaS application with the same MDM hub. This book describes how IBM WebSphere® Cast Iron® Cloud Integration can serve as the de-facto cloud integration middleware to integrate the on-premises InfoSphere Master Data Management systems with any SaaS application by using Salesforce.com integration as an example. This book also covers aspects of handling bulk operations with IBM InfoSphere Information Server. After reading this book, you will have a good understanding about the considerations for on-premises InfoSphere Master Data Management integration with SaaS applications in general and Salesforce.com in particular. The MDM practitioners and integration architects will understand the deployable integrations patterns and, in general, will be able to effectively contribute to delivering strategies that involve building solutions in this area. Additionally, SaaS vendors and customers looking to build or implement SaaS solutions that might require trusted master information will be able to use this compilation to ensure that the right architecture is put together and adhered to as a set of standard integrations patterns with all the core building blocks is essential for the longevity of a solution in this space.

agile master data management: Becoming a data-driven Organisation Martin Treder, 2019-10-18 Data is the foundation of any current and future market transformation during this digital era. Companies are expected to adjust or to disappear. However, following assessments by Gartner and Forrester during the past two years, only a small fraction of all enterprises has adequately addressed the handling of data so far. Yet, more and more business leaders have become aware of the topic. They recognize the increasing relevance of data, and the need to act now. Those leaders will welcome this book as it guides them through the first steps in their journey towards a data-driven organisation. This book brings the topic of Data and its commercial usage to the attention of a broad range of business leaders. It encourages you to get engaged, by explaining in a

non-technical way what data comprises, which opportunities wait to get discovered and, most importantly, how to prepare and launch the introduction of a Data Office in a company.

agile master data management: Agile Analytics Ken Collier, 2012 Using Agile methods, you can bring far greater innovation, value, and quality to any data warehousing (DW), business intelligence (BI), or analytics project. However, conventional Agile methods must be carefully adapted to address the unique characteristics of DW/BI projects. In Agile Analytics, Agile pioneer Ken Collier shows how to do just that. Collier introduces platform-agnostic Agile solutions for integrating infrastructures consisting of diverse operational, legacy, and specialty systems that mix commercial and custom code. Using working examples, he shows how to manage analytics development teams with widely diverse skill sets and how to support enormous and fast-growing data volumes. Collier's techniques offer optimal value whether your projects involve back-end data management, front-end business analysis, or both. Part I focuses on Agile project management techniques and delivery team coordination, introducing core practices that shape the way your Agile DW/BI project community can collaborate toward success Part II presents technical methods for enabling continuous delivery of business value at production-quality levels, including evolving superior designs; test-driven DW development; version control; and project automation Collier brings together proven solutions you can apply right now--whether you're an IT decision-maker, data warehouse professional, database administrator, business intelligence specialist, or database developer. With his help, you can mitigate project risk, improve business alignment, achieve better results--and have fun along the way.

agile master data management: Introduction to Disciplined Agile Delivery Mark Lines, Scott W. Ambler, 2015 Introduction to Disciplined Agile Delivery provides a quick overview of how agile software development works from beginning-to-end. It describes the Disciplined Agile Delivery (DAD) process decision framework and then works through a case study describing a typical agile team's experiences adopting a disciplined agile approach. The book describes how the team develops the first release of a mission-critical application while working in a legacy enterprise environment. It describes their experiences from beginning-to-end, starting with their initial team initiation efforts through construction and finally to deploying the solution into production. It also describes how the team stays together for future releases, overviewing their process improvement efforts from their Scrum-based beginnings through to a lean continuous delivery approach that fits in with their organization's evolving DevOps strategy. The DAD framework is a hybrid of existing methods such as Scrum, Kanban, Agile Modeling, SAFe, Extreme Programming, Agile Data, Unified Process and many others. DAD provides the flexibility to use various approaches and plugs the gaps not addressed by mainstream agile methods. In a nutshell, DAD is pragmatic agile. DAD describes proven strategies to adapt and scale your agile initiatives to suit the unique realities of your enterprise without having to figure it all out by yourself. Here's an overview of what each chapter covers: * Chapter 1: Introduction. This chapter provides a quick overview of the book and a brief history of Disciplined Agile. * Chapter 2: Reality over Rhetoric. This chapter explores several common myths about DAD and more importantly disproves them. * Chapter 3: Disciplined Agile Delivery in a Nutshell. This chapter provides a brief yet comprehensive overview of the DAD framework. * Chapter 4: Introduction to the Case Study. This chapter introduces us to the team, describes the market opportunity that they hope to address, and describes the environment in which they're working. * Chapter 5: Inception. The team's initiation effort includes initial requirements modeling and planning with their stakeholders in a streamlined manner, initial architecture modeling, setting up their physical work environment, setting up the start of their tooling infrastructure, initial risk identification, and finally securing stakeholder support and funding for the rest of the first release. * Chapters 6 through 10: Construction. These chapters each describe a single Construction iteration, sharing the team's experiences during each of those two-week timeboxes. * Chapter 11: Transition. The two-week transition phase focuses on final testing and fixing, training the support/help-desk staff, finishing a few short end-user how to videos, and deploying the solution into production. * Chapter 12: Future Releases. This chapter overviews the team's improvement

efforts over the next few releases, describing how they evolve from the agile Scrum-based lifecycle to a leaner approach and eventually to continuous delivery.* Chapter 13: Closing Thoughts. This chapter overviews the disciplined agile resources that are available to you.* Appendix: The Disciplined Agile IT Department. This short appendix overviews our ongoing work on the Disciplined Agile framework to address the full scope of an IT department. At 102 pages, you should find this book to be a quick, informative read.

agile master data management: Data Governance Dimitrios Sargiotis,

agile master data management: The Art of Scrum Dave McKenna, 2016-11-02 Learn the nuts and bolts of scrum—its framework, roles, team structures, ceremonies, and artifacts—from the scrum master’s perspective. The Art of Scrum details the scrum master’s responsibilities and core functions in planning and facilitating the ceremonies and artifacts of a scrum team: sprint planning, sprint execution, backlog refinement, daily standups, sprint reviews, and sprint retrospectives. It analyzes the scrum master’s interactions with other scrum roles, including the product owner, development team members, other scrum masters, and the agile coach. Scrum Master Dave McKenna catalogs the three skill sets that you must master to be successful at binding teams and unleashing agility: soft skills, technical skills, and contingency skills. You’ll benefit from the author’s examination of these skill sets with insights and anecdotes drawn from his own experience as an engineer, agile coach, and scrum master. He illustrates common mistakes scrum masters make, as well as modeling successful strategies, adaptations to changes, and solutions to tricky problems. What You'll Learn: How scrum masters facilitate the agile ceremonies How scrum masters align scrum teams to sprint goals and shield them from interference How scrum masters coach product owners to build a backlog and refine user stories How scrum masters manage contingencies such as intra-team conflicts, organizational impediments, technical debt, emergent architecture, personnel changes, scope creep, and learning from failure. Who This Book Is For: The primary readership is scrum masters, product owners, and dev team members. The secondary readership is scrum stakeholders, including executive sponsors, project managers, functional and line managers, administrative personnel, expert consultants, testers, vendors, and end users. The tertiary readership is anybody who wants to know how build an agile team that consistently delivers value and continuous improvement.

agile master data management: MASTER DATA MANAGEMENT AND DATA GOVERNANCE, 2/E Alex Berson, Larry Dubov, 2010-12-06 The latest techniques for building a customer-focused enterprise environment The authors have appreciated that MDM is a complex multidimensional area, and have set out to cover each of these dimensions in sufficient detail to provide adequate practical guidance to anyone implementing MDM. While this necessarily makes the book rather long, it means that the authors achieve a comprehensive treatment of MDM that is lacking in previous works. -- Malcolm Chisholm, Ph.D., President, AskGet.com Consulting, Inc. Regain control of your master data and maintain a master-entity-centric enterprise data framework using the detailed information in this authoritative guide. Master Data Management and Data Governance, Second Edition provides up-to-date coverage of the most current architecture and technology views and system development and management methods. Discover how to construct an MDM business case and roadmap, build accurate models, deploy data hubs, and implement layered security policies. Legacy system integration, cross-industry challenges, and regulatory compliance are also covered in this comprehensive volume. Plan and implement enterprise-scale MDM and Data Governance solutions Develop master data model Identify, match, and link master records for various domains through entity resolution Improve efficiency and maximize integration using SOA and Web services Ensure compliance with local, state, federal, and international regulations Handle security using authentication, authorization, roles, entitlements, and encryption Defend against identity theft, data compromise, spyware attack, and worm infection Synchronize components and test data quality and system performance

agile master data management: NoSQL Distilled Pramod J. Sadalage, Martin Fowler, 2013 'NoSQL Distilled' is designed to provide you with enough background on how NoSQL databases

work, so that you can choose the right data store without having to trawl the whole web to do it. It won't answer your questions definitively, but it should narrow down the range of options you have to consider.

agile master data management: *Zombie Scrum Survival Guide* Johannes Schartau, Christiaan Verwijs, Barry Overeem, 2020-11-13 Escape "Zombie Scrum" and Get Real Value from Agile!

"Professional Scrum and Zombie Scrum are mortal enemies in eternal combat. If you relax your guard, Zombie Scrum comes back. This guide helps you stay on your guard, providing very practical tips for identifying when you have become a Zombie and how to stop this from happening. A must-have for any Zombie Scrum hunter." --Dave West, CEO, Scrum.org "Barry, Christiaan, and Johannes have done a magnificent job of accumulating successful experiences and sharing their inspiring stories in this very practical book. They don't shy away from telling it like it is, which is why their proposals are always as useful as they are grounded in reality." --Henri Lipmanowicz, cofounder, Liberating Structures Millions of professionals use Scrum. It is the #1 approach to agile software development in the world. Even so, by some estimates, over 70% of Scrum adoptions fall flat. Developers find themselves using "Zombie Scrum" processes that look like Scrum, but are slow, lifeless, and joyless. Scrum is just not working for them. *Zombie Scrum Survival Guide* reveals why Scrum runs aground and shows how to supercharge your Scrum outcomes, while having a lot more fun along the way. Humorous, visual, and extremely relatable, it offers practical approaches, exercises, and tools for escaping Zombie Scrum. Even if you are surrounded by skeptics, this book will be the antidote to help you build more of what users need, ship faster, improve more continuously, interact more successfully in any team, and feel a whole lot better about what you are doing. Suddenly, one day soon, you will remember: that is why we adopted Scrum in the first place! Learn how Zombie Scrum infects you, why it spreads, and how to inoculate yourself Get closer to your stakeholders, and wake up to their understanding of value Discover why Zombie teams can't learn, and what to do about it Clear away the specific obstacles to real continuous improvement Make self-managed teams real so people can behave like humans, not Zombies *Zombie Scrum Survival Guide* is for Scrum Masters, Scrum practitioners, Agile coaches and leaders, and everyone who wants to transform the promises of Scrum into reality. Register your book for convenient access to downloads, updates, and/or corrections as they become available. See inside book for details.

agile master data management: *Agile Data Warehousing* Ralph Hughes, 2008-07-14 Contains a six-stage plan for starting new warehouse projects and guiding programmers step-by-step until they become a world-class, Agile development team. It describes also how to avoid or contain the fierce opposition that radically new methods can encounter from the traditionally-minded IS departments found in many large companies.

agile master data management: *Managing Agile Projects* Sanjiv Augustine, 2005 Your Hands-On, In-the-Trenches Guide to Successfully Leading Agile Projects Agile methods promise to infuse development with unprecedented flexibility, speed, and value and these promises are attracting IT organizations worldwide. However, agile methods often fail to clearly define the manager's role, and many managers have been reluctant to buy in. Now, expert project manager Sanjiv Augustine introduces agility from the manager's point of view, offering a proven management framework that addresses everything from team building to project control. Augustine bridges the disconnect between the assumptions and techniques of traditional and agile management, demonstrating why agility is better aligned with today's project realities, and how to simplify your transition. Using a detailed case study, he shows how agile methods can scale to succeed in even the largest projects: Defining a high-value role for the manager in agile project environments Refocusing on outcomes--not rigid plans, processes, or controls Structuring and building adaptive, self-organizing organic teams Forming a guiding vision that aligns your team behind a common purpose Empowering your team with the information it needs to succeed Managing the flow of customer value from one creative stage to the next Leveraging your team members strengths as whole persons Implementing full-life-cycle agility: from planning and coding to maintenance and knowledge transfer Customizing agile methods to your unique environment Becoming an adaptive

leader who can inspire and energize agile teams Whether you re a technical or business manager, Managing Agile Projects gives you all the tools you need to implement agility in your environment and reap its full benefits. Managing Agile Projects is part of the Robert C. Martin series. (c) Copyright Pearson Education. All rights reserved.

agile master data management: The Practitioner's Guide to Data Quality Improvement

David Loshin, 2010-11-22 The Practitioner's Guide to Data Quality Improvement offers a comprehensive look at data quality for business and IT, encompassing people, process, and technology. It shares the fundamentals for understanding the impacts of poor data quality, and guides practitioners and managers alike in socializing, gaining sponsorship for, planning, and establishing a data quality program. It demonstrates how to institute and run a data quality program, from first thoughts and justifications to maintenance and ongoing metrics. It includes an in-depth look at the use of data quality tools, including business case templates, and tools for analysis, reporting, and strategic planning. This book is recommended for data management practitioners, including database analysts, information analysts, data administrators, data architects, enterprise architects, data warehouse engineers, and systems analysts, and their managers. - Offers a comprehensive look at data quality for business and IT, encompassing people, process, and technology. - Shows how to institute and run a data quality program, from first thoughts and justifications to maintenance and ongoing metrics. - Includes an in-depth look at the use of data quality tools, including business case templates, and tools for analysis, reporting, and strategic planning.

agile master data management: Agile Project Management For Dummies Mark C. Layton,

Steven J. Ostermiller, 2017-09-05 Flex your project management muscle Agile project management is a fast and flexible approach to managing all projects, not just software development. By learning the principles and techniques in this book, you'll be able to create a product roadmap, schedule projects, and prepare for product launches with the ease of Agile software developers. You'll discover how to manage scope, time, and cost, as well as team dynamics, quality, and risk of every project. As mobile and web technologies continue to evolve rapidly, there is added pressure to develop and implement software projects in weeks instead of months—and Agile Project Management For Dummies can help you do just that. Providing a simple, step-by-step guide to Agile project management approaches, tools, and techniques, it shows product and project managers how to complete and implement projects more quickly than ever. Complete projects in weeks instead of months Reduce risk and leverage core benefits for projects Turn Agile theory into practice for all industries Effectively create an Agile environment Get ready to grasp and apply Agile principles for faster, more accurate development.

agile master data management: Agile Data Warehousing Project Management Ralph Hughes,

2012-09-28 What is agile data warehousing? -- Iterative development in a nutshell -- Streamlining project management -- Authoring better user stories -- Deriving initial project backlogs -- Developer stories for data integration -- Estimating and segmenting projects -- Adapting agile for data warehousing -- Starting and scaling agile data warehousing.

agile master data management: Building a Scalable Data Warehouse with Data Vault 2.0

Daniel Linstedt, Michael Olschimke, 2015-09-15 The Data Vault was invented by Dan Linstedt at the U.S. Department of Defense, and the standard has been successfully applied to data warehousing projects at organizations of different sizes, from small to large-size corporations. Due to its simplified design, which is adapted from nature, the Data Vault 2.0 standard helps prevent typical data warehousing failures. Building a Scalable Data Warehouse covers everything one needs to know to create a scalable data warehouse end to end, including a presentation of the Data Vault modeling technique, which provides the foundations to create a technical data warehouse layer. The book discusses how to build the data warehouse incrementally using the agile Data Vault 2.0 methodology. In addition, readers will learn how to create the input layer (the stage layer) and the presentation layer (data mart) of the Data Vault 2.0 architecture including implementation best practices. Drawing upon years of practical experience and using numerous examples and an easy to

understand framework, Dan Linstedt and Michael Olschimke discuss: - How to load each layer using SQL Server Integration Services (SSIS), including automation of the Data Vault loading processes. - Important data warehouse technologies and practices. - Data Quality Services (DQS) and Master Data Services (MDS) in the context of the Data Vault architecture. - Provides a complete introduction to data warehousing, applications, and the business context so readers can get-up and running fast - Explains theoretical concepts and provides hands-on instruction on how to build and implement a data warehouse - Demystifies data vault modeling with beginning, intermediate, and advanced techniques - Discusses the advantages of the data vault approach over other techniques, also including the latest updates to Data Vault 2.0 and multiple improvements to Data Vault 1.0

agile master data management: Large-Scale Scrum Craig Larman, Bas Vodde, 2016-09-30 The Go-To Resource for Large-Scale Organizations to Be Agile Rather than asking, "How can we do agile at scale in our big complex organization?" a different and deeper question is, "How can we have the same simple structure that Scrum offers for the organization, and be agile at scale rather than do agile?" This profound insight is at the heart of LeSS (Large-Scale Scrum). In Large-Scale Scrum: More with LeSS, Craig Larman and Bas Vodde have distilled over a decade of experience in large-scale LeSS adoptions towards a simpler organization that delivers more flexibility with less complexity, more value with less waste, and more purpose with less prescription. Targeted to anyone involved in large-scale development, Large-Scale Scrum: More with LeSS, offers straight-to-the-point guides for how to be agile at scale, with LeSS. It will clearly guide you to Adopt LeSS Structure a large development organization for customer value Clarify the role of management and Scrum Master Define what your product is, and why Be a great Product Owner Work with multiple whole-product focused feature teams in one Sprint that produces a shippable product Coordinate and integrate between teams Work with multi-site teams

agile master data management: Scrum Mastery Geoff Watts, 2021-09 The basics of being a ScrumMaster are fairly straightforward: At face value all a ScrumMaster needs to do is facilitate the Scrum process and remove impediments. But being a great ScrumMaster, one who truly embodies the principles of servant-leadership and helps nurture a high-performing team, is much harder and more elusive. In this second edition of his groundbreaking book, Geoff shares an updated collection of stories and practical guidance, drawn from twenty years of coaching Scrum teams that will guide you on your path to greatness. In this book you will learn: The skills and characteristics of great ScrumMasters How to generate, maintain and increase engagement from the team How to increase the effectiveness of the Scrum meetings, such as retrospectives and daily scrums. How to foster a more creative and collaborative team How to increase the performance of the team How to know when you are a successful ScrumMaster Scrum Mastery is for practicing ScrumMasters who want to develop themselves into a great servant-leader capable of taking their teams beyond simple process compliance. Mike Cohn, in his foreword for the book, said: Most books rehash well-trod territory and I don't finish them any wiser. I am positive I will be referring back to this book for many years Roman Pichler said: I am thoroughly impressed with how comprehensive and well-written the book is. It will be indispensable for many people

agile master data management: Disciplined Agile Delivery Scott W. Ambler, Mark Lines, 2012-05-31 Master IBM's Breakthrough DAD Process Framework for Succeeding with Agile in Large, Complex, Mission-Critical IT Projects It is widely recognized that moving from traditional to agile approaches to build software solutions is a critical source of competitive advantage. Mainstream agile approaches that are indeed suitable for small projects require significant tailoring for larger, complex enterprise projects. In Disciplined Agile Delivery, Scott W. Ambler and Mark Lines introduce IBM's breakthrough Disciplined Agile Delivery (DAD) process framework, which describes how to do this tailoring. DAD applies a more disciplined approach to agile development by acknowledging and dealing with the realities and complexities of a portfolio of interdependent program initiatives. Ambler and Lines show how to extend Scrum with supplementary agile and lean strategies from Agile Modeling (AM), Extreme Programming (XP), Kanban, Unified Process (UP), and other proven methods to provide a hybrid approach that is adaptable to your organization's

unique needs. They candidly describe what practices work best, why they work, what the trade-offs are, and when to consider alternatives, all within the context of your situation. Disciplined Agile Delivery addresses agile practices across the entire lifecycle, from requirements, architecture, and development to delivery and governance. The authors show how these best-practice techniques fit together in an end-to-end process for successfully delivering large, complex systems--from project initiation through delivery. Coverage includes Scaling agile for mission-critical enterprise endeavors Avoiding mistakes that drive poorly run agile projects to chaos Effectively initiating an agile project Transitioning as an individual to agile Incrementally building consumable solutions Deploying agile solutions into complex production environments Leveraging DevOps, architecture, and other enterprise disciplines Adapting your governance strategy for agile projects Based on facts, research, and extensive experience, this book will be an indispensable resource for every enterprise software leader and practitioner--whether they're seeking to optimize their existing agile/Scrum process or improve the agility of an iterative process.

agile master data management: Agile Processes in Software Engineering and Extreme Programming Viktoria Stray, Rashina Hoda, Maria Paasivaara, Philippe Kruchten, 2020-05-27 This open access book constitutes the proceedings of the 21st International Conference on Agile Software Development, XP 2020, which was planned to be held during June 8-12, 2020, at the IT University of Copenhagen, Denmark. However, due to the COVID-19 pandemic the conference was postponed until an undetermined date. XP is the premier agile software development conference combining research and practice. It is a hybrid forum where agile researchers, academics, practitioners, thought leaders, coaches, and trainers get together to present and discuss their most recent innovations, research results, experiences, concerns, challenges, and trends. Following this history, for both researchers and seasoned practitioners XP 2020 provided an informal environment to network, share, and discover trends in Agile for the next 20 years. The 14 full and 2 short papers presented in this volume were carefully reviewed and selected from 37 submissions. They were organized in topical sections named: agile adoption; agile practices; large-scale agile; the business of agile; and agile and testing.

agile master data management: CMDB Systems Dennis Drogseth, Rick Sturm, Dan Twing, 2015-03-22 CMDB Systems: Making Change Work in the Age of Cloud and Agile shows you how an integrated database across all areas of an organization's information system can help make organizations more efficient reduce challenges during change management and reduce total cost of ownership (TCO). In addition, this valuable reference provides guidelines that will enable you to avoid the pitfalls that cause CMDB projects to fail and actually shorten the time required to achieve an implementation of a CMDB. Drawing upon extensive experience and using illustrative real world examples, Rick Sturm, Dennis Drogseth and Dan Twing discuss: - Unique insights from extensive industry exposure, research and consulting on the evolution of CMDB/CMS technology and ongoing dialog with the vendor community in terms of current and future CMDB/CMS design and plans - Proven and structured best practices for CMDB deployments - Clear and documented insights into the impacts of cloud computing and other advances on CMDB/CMS futures - Discover unique insights from industry experts who consult on the evolution of CMDB/CMS technology and will show you the steps needed to successfully plan, design and implement CMDB - Covers related use-cases from retail, manufacturing and financial verticals from real-world CMDB deployments - Provides structured best practices for CMDB deployments - Discusses how CMDB adoption can lower total cost of ownership, increase efficiency and optimize the IT enterprise

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