DAMA NCR-RCN

Monthly Newsletter

April 2023

DAMA NCR's Chapter Meeting

Chapter meetings are held quarterly, on the second Wednesday of the month. Next Chapter meeting will be on **Wednesday June 14, 2023 at 17:00;** the invitation, presentation details, and agenda for next meeting will be forthcoming.

Please stay connected and **subscribe** to receive the monthly newsletter and emails from the NRC-RCN Chapter.

DAMA NCR Job Postings Forum

DAMA NCR created a **Job Postings Forum** to help members advertise available data-related job opportunities within their organizations to the DAMA NCR community. We maintain a distribution list of approximately 200 data community members in the NCR and hope this forum assists in facilitating resourcing demands. Subscribe to the Job Postings Forum to receive updates.

Education & Programs

Visit the Membership Portal's **Resources** to access discount codes and the **Upcoming & Past Events** page for consolidated events calendar. Login into your account for exclusive access.

Interested in enhancing your professional credibility and expertise, while networking with data management professional across Canada? DAMA Canada is hosting it's 2023 Certified Data Management Professional (CDMP) Study Group.

This year' study group will run every Wednesday starting on February 15th until May 17th 2023 (14 sessions) from 19:30 to 21:00. For registrations details, see **Upcoming Events and Conferences** below.

DAMA NRC-RCN Store

Welcome to the **DAMA NRC-RCN online store**. Browse the selection of items available for purchase. DAMA members get a discount on all current books on offer.

Upcoming Events and Conferences

DAMA NCR-RCN Canada's 2023 CDMP Study Group, (Virtual) Wednesday, April 19th, 26th, May 3rd, 10th, 2023 19:30 to 21:00 (EST).
Join data professionals from across Canada in an online environment to prepare for the Data Management Fundamentals Exam - the exam required to earn your CDMP certification (Associate). Registration

required, Members $50.00, non-members $125.00; once registered, the link to the sessions will be provided to participants.

DAMA NCR-RCN 2023 Lunch and Learn Session, (Virtual – Free event). Wednesday April 26th, 2023, 12:05 to 12:55.

Erica Ren, the Chief Data Officer (CDO) of Immigration, Refugees and Citizenship Canada (IRCC), is recognized for her ability to blend big-picture viewpoints with practical considerations and deliver real results quickly and efficiently. She focuses on inspiring her teams, building trust, and achieving business outcomes; has a robust understanding of government, having worked in various departments such as Canadian Heritage, Correctional Service of Canada, Canada Border Services Agency, Aboriginal Affairs and Northern Development Canada. The session will be recorded; however, the recording and presentation will be available only to DAMA NCR-RCN members.

DAMA NCR-RCN Data and Drinks, (Registration – Free event). Tuesday April 18th, 2023, 6:00 to 8:00 PM at 10 Fourteen Bar – 1014 Wellington St. West, Ottawa.

DAMA NCR-RCN is hosting monthly social events every third Tuesday of each month. Come join data professionals from the National Capital Region to socialize, strengthen business connections, get fresh ideas, and raise your professional profile.

Modernizing Legacy OLAP & BI for High Performance Analytics, (Registration – virtual event). Wednesday, April 19th, 2023, 2:00 to 3:00PM (EDT).

Learn how leading analytics teams are rethinking legacy approaches to delivering low-latency business intelligence for cloud-scale data. The combination of AtScale + Google BigQuery allows organizations to build a common metrics layer accessible from various tools such as Excel & Power BI.

Data Leaders – Increasing Data Literacy Across the Entire Organisation, (Registration - virtual event). Thursday, April 20th, 2023, 10:00 to 11:00 AM (EDT).

Questions to be discussed at the session: a) What are some useful engagement methods to use for all employees across the company? b) What tactics can be used to segment the audience? c) How do you translate data into an easily absorbed language to non-data professionals?
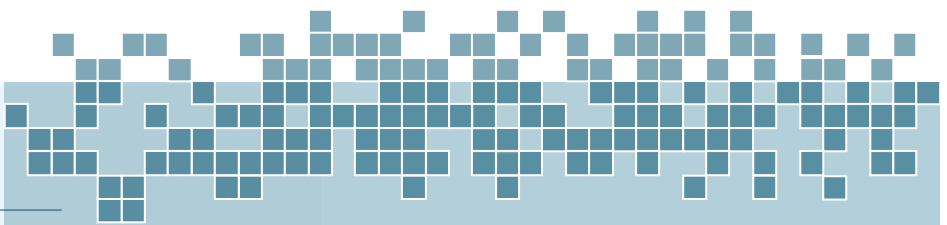
Three Strategies for Building an Agile Data Architecture, (Registration – virtual event). Thursday, April 20th, 2023, 2:00-3:00 PM (EDT).

With the rapidly changing business landscape, growing data volumes and complexity, and the emergence of new technologies and data sources, an agile data architecture is crucial for a company's success. It enables data-driven decision-making, enhances data security and governance, and improves team collaboration and efficiency. The question many have is how to build this agile data architecture.

UN World Data Forum 2023, (Registration – virtual event). Monday 24th 2023.

The Programme of the UN World Data Forum is organized around four Thematic Areas (see Agenda). Throughout the Forum, participants will have the opportunity to interact in high-level plenaries, and parallel panel sessions.

Semantic Layer Summit, (Registration – virtual event). Wednesday 26th, 2023, 10:30 AM to 5:00PM (EDT)

Featuring top data leaders and technologists from global enterprises, sharing best practices on delivering actionable insights from AI and BI initiatives. See **Agenda** for details.

Informatica World 2023, (**Registration – in-person**). **Las Vegas, May 8ᵗʰ to 11ᵗʰ, 2023.**
Cloud Data Management Conference of the year, featuring some of the world's brightest minds in cloud, data and AI. Get best practices on turning information into action with cloud modernization, AI, integration, hyperautomation and more. Keynotes and specially curated programming will be broadcast virtually on May 9 and 10. See **Agenda** for details.

ThoughtSpot Beyond 2023, (**Registration – virtual event**). **Tuesday May 9ᵗʰ to 10ᵗʰ, 2023.**
Dominating an industry today comes down to one thing: delivering a better experience. The only way to do so is reimagining how to use data. Join the event to see what it takes to deliver the modern data experience, get hands on with ground breaking technology, and learn firsthand from leaders at world's most innovative companies.

Data Integrity Summit - Trust '23, (**Registration – virtual event**). **May 16ᵗʰ and 17ᵗʰ, 2023.**
Discuss some of the biggest trends and challenges facing businesses today, and explore how trusted data with accuracy, consistency, and context is key to unlocking new opportunities along the way. Expect to: a) hear first-hand from other data leaders, industry analysts and more about the macro trends they're seeing and how to address them; and b) watch expert panels on topics including 2023 data integrity trends, modern data architectures.

Data & Analytics Maturity Workshop, (**Watch on-demand**).
Given how data changes fast, there's a clear need for a measuring stick for data and analytics maturity. This workshop helps assess where your organization sits on the analytics maturity scale and where you might aspire to be. Pick one of the nine modules to get started, or take the assessment to get a customized lineup. Workshop video modules include: 1. Breaking down data silos; 2. Integrating data from third-party sources; 3. Developing a data-sharing culture; 4. Combining data integration styles; 5. Translating DevOps principles into your data engineering process; 6. Using data models to create a single source of truth; 7. Making everyone a data analyst with a semantic layer; 8. Deploying "data as code" throughout the enterprise; and 9. Using augmented analytics for predictive and prescriptive analyses
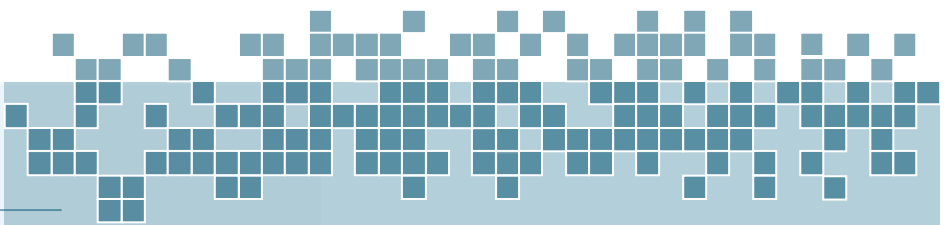
Cloud Dataholics, (**Watch on-demand**).
Did you ever wonder what life is like inside of your cloud data platform? Watch the Pilot and any of the 14 episodes to understand data in the cloud.

Articles

The Data-Centric Revolution: Semantics and the DAMA Wheel. What is the segment of "the DAMA wheel" that might affect semantics the most? Maybe it affected all of them in depth, but perhaps the Metadata wedge the most.

Toward Data Governance's 4ᵗʰ Era (Part 1). Has there ever been a time where more people were talking about data and writing about data than now?

Toward Data Governance's 4th Era (Part 2). "Data must be understandable". It hardly matters if a person has access to data if it is incomprehensible.

Toward Data Governance's 4th Era (Part 3). What could be a more fitting goal for data governance than to provide a structure for invention and innovation to fight this deadly, complex, and invisible enemy?

What are the top considerations for using a semantic layer? Guide to learn key considerations for using a semantic layer to improve data & analytics use cases across your organization. (DOWNLOAD DOCUMENT)

Data Management Is Dead – Data Empowerment Has Emerged. Discussion on the problems with traditional Data Management and why data empowerment is now flourishing across global circles.

Data is Risky Business: Data is a Communications Skill. One of the main aspects of training focusses on the "why" of data in the organisation. This is because if we don't understand the "why", the business and data strategy alignment, it's very hard if not impossible to prioritise the what, when, and who of our efforts.

An Introduction to Reinforcement Learning. To provide a better understanding of the usefulness of reinforcement learning, as well as some key vocabulary to facilitate learning more.

The Future of Enterprise Data Infrastructure – Autonomous Automation. The enterprise storage estate is one of the areas where organizations can easily automate and substantially reduce costs without sacrificing application performance, availability, or cyber resilience.

Leveraging Enterprise AI. Leveraging enterprise artificial intelligence (AI) provides a system that can automate repetitive tasks, answer questions, and improve decision-making.

Multi-Cloud Networking Design Checklist. A principal solutions architect, starts a cloud architecture discussions with the "triangle of truth," or "holy trinity" of architecture principles for cloud: stability, agility, and security.

Cloud Biometrics vs On-Device Biometrics: What's the Difference? A key question for anyone evaluating biometric technologies is: should the authentication take place on-device or in the cloud? A cloud-based, or server-side, biometric authentication is the only option to securely authenticate users remotely - but why? Discussion of the differences between cloud and on-device biometrics and why we believe cloud-based is optimal.

Developing a Data Retention Policy that Meets Privacy Requirements. Worldwide, new and existing privacy regulations require that personal information be retained only as long as necessary for legitimate business need. To comply, organizations are developing data retention and disposition policies — which involve much more than privacy — to avoid conflicts while complying with non-privacy regulatory requirements. And more important than just a data retention policy, care and diligence practices need to be implemented and executed. In-house counsel must be aware of these issues in order to help the business implement these requirements.

Are Verifiable Credentials Paving the Way for Reinforced Digital Privacy? Whether we're booking a flight or shopping online, we must go through multiple authentication processes to prove our identity. And that's quite important from an infosec perspective.

O'reilly Data Quality Ebook. A guide to help data engineers and analysts understand the key factors that contribute to poor data quality and how to detect, resolve, and prevent these issues at scale. (DOWNLOAD DOCUMENT)

Digital Transformation Examples for Business Success. Today, most businesses are embracing digital transformation to meet ever-increasing customer expectations and to remain competitive and relevant in the world economy.

Understanding Data Management Tools. Data Management tools are used to develop and monitor practices, as well as organize, process, and analyze an organization's data. These tools are designed to arrange and harmonize data, and should provide a high degree of efficiency and effectiveness.

Solving the Snapshot Migration Dilemma. Detailed planning and thoughtful consideration are critical for IT leaders moving their unstructured data to a new platform, whether it be on-premises or in the cloud. If they aren't cautious, enterprises may encounter cost overruns, project delays, and data risk.

How to Make the Jump to AI. AI and machine learning models are being used to help companies stay competitive by discovering new revenue opportunities, improving risk management, detecting fraud, and streamlining business processes.

How a Stateless Data Architecture Can Enable You to Harness the Power of Today's Agile Data. Technologies are sometimes categorized as stateful or stateless. The terms can apply to applications or communication protocols, for example. A stateful application saves data generated by each client session and uses it the next time the client makes a request. A stateless application doesn't save client data from one session to the next.

Azure Data Migration: 5 Tools to Know About. With many organizations migrating their critical workloads to cloud environments, choosing the appropriate data migration solutions is increasingly important. Identifying the right tools is a key step in the data migration process.

Three Tips to Smarten Your Digital Transformation Strategy. The COVID-19 pandemic accelerated organizations' digital transformation efforts, regardless of whether they were ready for it or not. Now, as businesses have adjusted their plans to factor in the ongoing effects of the pandemic, digital transformation has become not just a business initiative, but one of high priority.

5 Ways Data Storage IT Pros Enable Business User Self-Service. Enterprise data storage professionals are increasingly finding themselves at the center of business discussions: finding important files, showing departmental usage, recalling files from archives for an audit or new research, moving distinct data sets into the cloud to import into a new analytics environment, and deleting data to satisfy regulations.

Four Questions to Ask Before Choosing a Cloud Data Security Tool. The cloud was the driving force behind much of the digital transformation sparked by COVID-19. Public cloud applications and services allowed enterprises to support employees as they shifted to a fully remote workforce, and now many major components of day-to-day business are on the cloud.

How Pre-Built Connectors Can Save You Time in Data Integration. The hallmark of man's invention, the wheel completely changed our lives. From a simple cart to electric vehicles – all can be attributed to the invention of the wheel. What does it have to do with data integration? Nothing really, but it's a good analogy to see how things have evolved in the realm of data integration, and relying on outdated methods is equivalent to walking when you can take a ride.

Top 5 Considerations for a Purpose-Built Enterprise Information Management System. Data is the lifeblood of every company – even more so in the life science field, where this information is used to develop, approve, and launch new solutions to improve patient outcomes.

[3 Common Challenges with Business Intelligence Implementations](). Typical business intelligence implementations allow business users to easily consume data specific to their goals and daily tasks.

[Data Fabric Architecture 101](). Today's global organizations have data deployed both on-premises and across many cloud environments. In such a scenario, the biggest challenge is to find a single Data Management solution to enable businesses to access and connect data across disparate sources and provision a unified, virtual environment for data processing.

[Four Ways Cyber Asset Management Can Build Recession Resilience](). Companies that lived through the 2008 financial crisis already know what it's like to suffer through deep budget cuts and sinking demand. More recently came the tremendously disruptive early days of the COVID-19 pandemic.

[Machine Learning Tools](). Machine learning tools allow computers to become more accurate in predicting outcomes. The computer's software makes decisions based on experiences rather than programming. The algorithm (basically a series of instructions) collects data on its interactions, and that data is used as feedback for the algorithm, which changes its behavior and responses, improving them over time.

[The Rise of Data-Centric AI](). Data-centric AI is gaining momentum among engineers. While traditionally, a model-centric approach has been used to improve accuracy for a variety of applications, the increase of data available today and the benefits of using reliable data are leading engineers to re-evaluate their priorities and workflows.

[NoSQL Databases: Advantages and Disadvantages](). NoSQL databases (aka non-relational databases) come with both advantages and disadvantages. On the plus side, they are more scalable than traditional relational databases and can store a variety of formats.

[How Low-Code Is Bridging the Gap Between Data Scientists and Businesses.]() Coding is a foreign language for many high-level and C-suite executives who lead corporations today. However, it's hard to find anyone who doesn't understand the importance of technology and how our future will hinge on mastering it.

[Four Ways Cyber Asset Management Can Build Recession Resilience](). Companies that lived through the 2008 financial crisis already know what it's like to suffer through deep budget cuts and sinking demand. More recently came the tremendously disruptive early days of the COVID-19 pandemic.

[The Data Engineer's Roadmap](). Data engineering is a fascinating and fulfilling career – you are at the helm of every business operation that requires data, and as long as users generate data, businesses will always need data engineers. In other words, job security is guaranteed.

[APIs and Data Sharing: Key Challenges to Address](). Realizing the full potential of real-time data sharing among partners in an organization's ecosystem is a crucial component of digital transformation. For digital businesses to progress quickly, it will take more than just better data management and more insightful analysis.

[10 Actionable Steps to Create a Data-Driven Culture](). By capitalizing on your data assets, do you want to acquire fruitful outcomes and actionable insights to make more informed and rational business decisions?