METADATA-DRIVEN PLATFORMS
AUTOMATING DELIVERY AND OPERATIONS
TOWARDS CENTRAL DATA PLATFORMS

From...

...To

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TOWARDS CENTRAL DATA PLATFORMS

INTRODUCING METADATA SERVICES

RDBMS

Data Quality

NoSQL

ETL

In-Mem

Streaming

Models

Data Catalog

Reporting

Analytics

Monitoring & Alerting

Test Automation

Continuous Integration

Code Automation

Configuration Items

Security

Etc.
GETTING MORE CONTROL
INTRODUCING METADATA PLATFORMS

- RDBMS
- NoSQL
- In-Mem
- Data Catalog
- Reporting
- Analytics
- Monitoring & Alerting
- Test Automation
- Continuous Integration
- Code Automation
- Configuration Items
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- Etc.

- Data Quality
- ETL
- Streaming
- Models

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INTRODUCING METADATA PLATFORMS
INTRODUCING METADATA PLATFORMS
DISCOVER MORE IN DATA

CONFIGURE AND AUTOMATE

http://www.metadew.io

Metadata Platform

Engineer → Dev → Code Version → Build Process → Artefact Repository → Deployment Process → Env Control → Approval Process

Code Automation

Test Automation → Test Data → Data Masking

Metadata Platform
http://www.metadew.io
SUMMARY

• A metadata platform is a central **aggregator and processor** to manage and control data platforms which
  • Makes it **easy to add new technologies**
  • **Reduces migration cost** when replacing technologies
  • **Services users and systems** through insights and automation
  • Drives **new ideas and possibilities** via relations and interactions

• Implementing a metadata platform is a **continuous journey**; it is a product, not a project

• As the central core of the data platform it is **never finished, grows and evolves over time**

• Basic principles are simple, **integration and servicing** require substantial effort

• It is recommended to grow in steps: define vision and strategy clearly & implement according to use cases
  • **Step 1:** gather metadata and provide simple reporting views
  • **Step 2:** extend services across metadata areas and **provide transversal reporting**
  • **Step 3:** move towards **automated metadata services** and interactions
  • **Step 4:** grow **self-service capabilities** for different stakeholders
  • **Step 5:** expose metadata for external service consumption

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Cyberconflict: A new era of war, sabotage, and fear

9:30 AM - 10:15 AM, Wed, Mar 27, 2019
Location: BALTIMORE

We're living in a new era of constant sabotage, misinformation, and fear, in which everyone is a target, and you're often the collateral damage in a growing conflict among states. From crippling infrastructure to sowing discord and doubt, cyber is now the weapon of choice for democracies, dictators, and terrorists.

David Sanger explains how the rise of cyberwar has transformed geopolitics like nothing since the invention of the atomic bomb. Moving from the White House Situation Room to the dens of Chinese, Russian, North Korean, and Iranian hackers to the boardrooms of Silicon Valley, David reveals a world coming face-to-face with the perils of technological revolution—a conflict that the United States helped start when it began using cyberweapons against Iran's nuclear plants and North Korean missile launches. But now we find ourselves in a conflict we're uncertain how to control, as our adversaries exploit vulnerabilities in our hyperconnected nation and we struggle to figure out how to deter these complex, short-of-war attacks.

David Sanger
The New York Times

David E. Sanger is the national security correspondent for the New York Times as well as a national security and political contributor for CNN and a frequent guest on CBS This Morning, Face the Nation, and many PBS shows.

Session page on conference website

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Peter Billen

Get in touch

- [Http://www.metadew.io (https://github.com/metadew)]
- [https://www.linkedin.com/in/pbillen/]