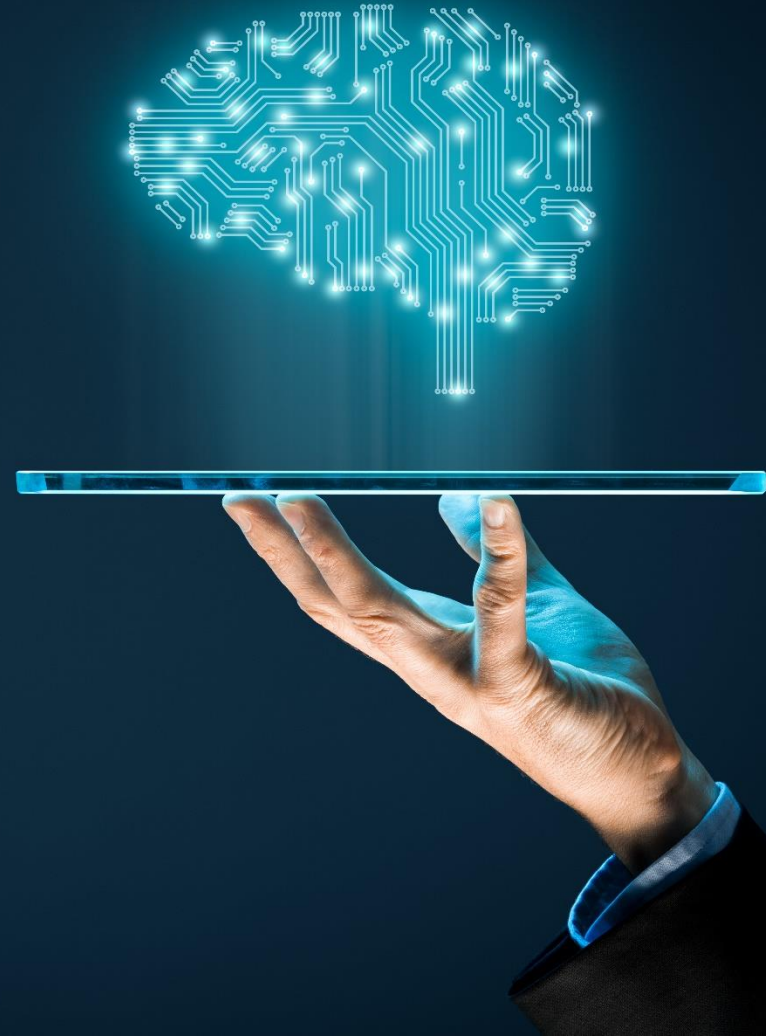# Bill Inmon - Father of Data Warehousing

The world of ETL has advanced technologically to the point that automated management of code is beginning to be a necessity. I recommend you look at **Undraleu** and their approach to managing the ETL environment.
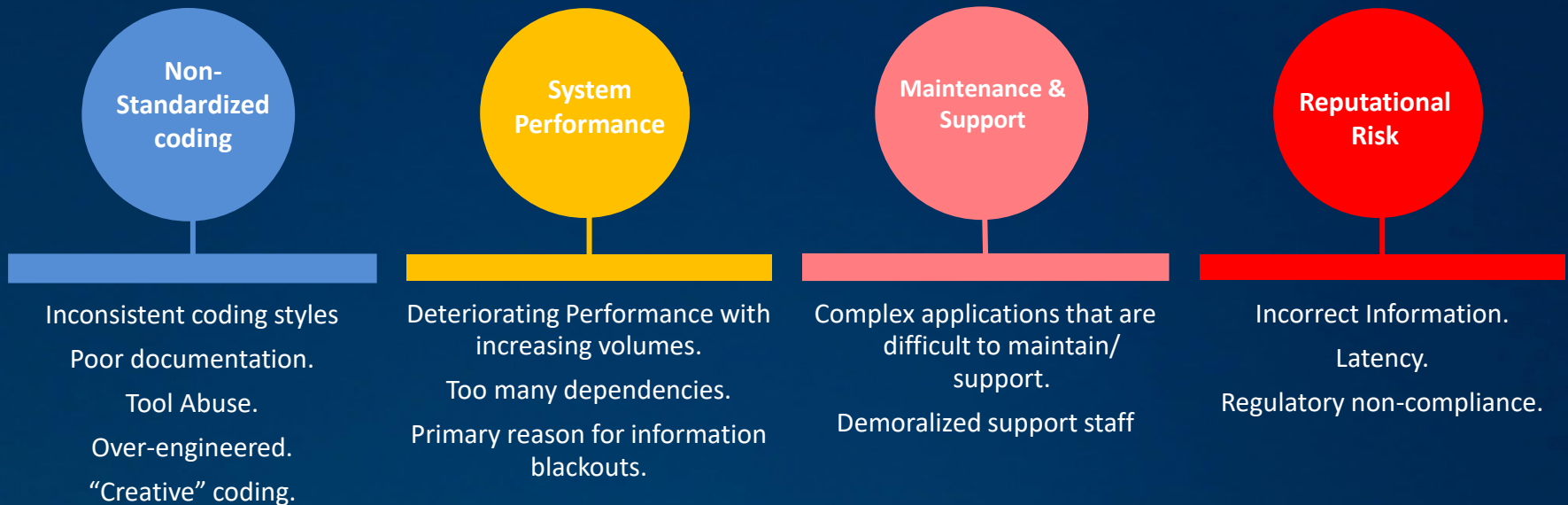
Undraleu

ENABLING BEST PRACTICES

Introduction to an **automated**
ETL Code Quality Platform

Impact of Poor ETL Code Quality

Non-Standardized coding

Inconsistent coding styles

Poor documentation.

Tool Abuse.

Over-engineered.

"Creative" coding.

System Performance

Deteriorating Performance with increasing volumes.

Too many dependencies.

Primary reason for information blackouts.

Maintenance & Support

Complex applications that are difficult to maintain/ support.

Demoralized support staff

Reputational Risk

Incorrect Information.

Latency.

Regulatory non-compliance.

ETL Code reviews mitigate the risks above, however the manual nature of these reviews has many challenges

Manual Code Review – Key Challenges

Laborious / Inconsistent

SMEs tied up with reviews

Focus on delivery, not maintainability and support

Defects found late in the development life Cycle.

Non-scalable

High TCO

Undraleu focuses on lowering the TCO

Undraleu Overview

Undraleu® is a Code Review **Platform** that helps elevate ETL code quality through automated code reviews.

Key features

- Automated, Consistent and Comprehensive
- Saves time to Validate Functionality thoroughly
- Enables gated Checks
- Seamlessly integrates with CI / CD tools.
- Flags Supportability / Maintainability issues
- Acts as your SME with its rich library of best practices

With 100's of rules available off-the-shelf, hit the ground running in identifying problem areas in production or stem poor quality code entering your higher environment.

Case Study: A Health Care Provider, Buffalo, NY

CoeurData Undraleu — ENABLING BEST PRACTICES

Client Situation

- Constantly increasing volume of ETL Code.
- 50+ ETL Developers
- Manual Code Review process

- Review team stretched to perform SME work.
- Review Turnaround between 5-10 days
- Team spending 18+ hrs. per week doing reviews

- Major issues when identified led to costly delays.
- Code Churn too Slow
- Low confidence in the overall ETL environment

How Undraleu helped

- Developers perform self reviews.
- Turnaround time reduced to less than a day of submission.
- Latency reduced drastically and near elimination of multiple iterations.

- Increased mobility of developers across various projects without deviating from best practices.
- Review Team Spends more time on functionality testing.
- Code Consistency Improved.

- Improved Stakeholder Confidence.
- A confident and proud team.

Client's Verbatim Feedback

"Undraleu is one tool that has practical and useful features"

"Turnaround time for code review team response is Quicker"

"Flags potential issues with the code and I can count on it to catch poor coding practices."

"Results of the Undraleu's analysis helped me in making better/ more efficient coding decision."

"We are focusing on main development by leaving the code quality control to Undraleu"

"Undraleu has given us a positive ROI and much more"