

Data Projects are Backward

Turning the System Development
Lifecycle Upside Down on Data
Projects

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About Me

- April Reeve
- Over 25 years in Information Technology
 - Enterprise Architecture
 - Project Management / Governance
 - Financial Services (primarily)
 - Financial Risk Management
 - Data !!!
- Currently working for EMC Consulting

About This Session

- What should you get out of this session?
 - Suggestions for improving data projects
 - Estimating project timeline more accurately
 - Improving communications
 - Creating solutions users really want

Agenda

- Data Oriented Projects
- Traditional Waterfall Lifecycle
- Case Studies of Problems
- Revised Life Cycle
- Case Studies with Modified Life Cycle
- Contrasting Approaches – sourcing from a general ledger system

Data Oriented Projects

- Data Warehousing and Marts
- Data Conversion
- Master Data Management
- Enterprise Data Integration
- Data Archiving
- Data Quality Improvement

Traditional Waterfall Lifecycle

- Initiation
- Requirements
- Analysis
- Design
- Build
- Test
- Implement
- Operate

Problems with Traditional Lifecycle

- Problems
 - Projects are too Long – Highly Risky
 - Requirements Change
 - Users Don't Get What They Need
- Many improvements to the standard lifecycle
 - Spiral / Phased Development
 - Prototyping
 - Rapid Analysis / Development
 - Agile Development

Case Studies with Traditional Lifecycle

- Software Company – Data Archeology through generations of Conversions
- Private Bank – The data in the warehouse makes no sense

Revised Lifecycle

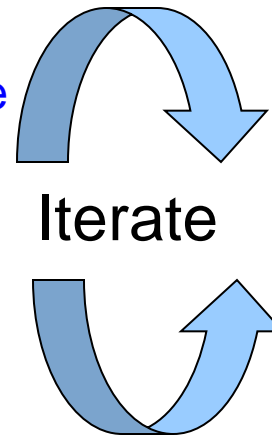
- Test
- Build
- Requirements

Revised Lifecycle

- Initiate Program
- High Level Requirements

- Data Source
 - High Level Requirements
 - Test – Data Exploration
 - Build – Design/Build Prototype
 - Requirements
 - Design
 - Build
 - Test
 - Implement
 - Operate

- Infrastructure
 - Design
 - Build



Case Studies with Modified Lifecycle

- Consumer Products – Proving the data from day 1
- Financial Services – Analysts from the source system

Contrasting Approaches

- Sourcing data from an Accounting System
 - Understanding data in the source system
 - Proving to the General Ledger

The End

- Questions?
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