Data Care Manager

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Data quality is big issue!

Various problems:

- Wrong values — human factor
- Too many data — redundancy
- Unclear ownership — responsibility
- Multiple sources — divergence
- Multiple meaning — semantic
- Different structures — syntax
- Cumbersome structures — complexity
- Not up-to-date — timing
- ….

Approaches to maintain data

- Typical: *do nothing*   *- ignore it*
- Classical: *secretary does*   *- delegate it*
- Modern: *let other do it*   *- outsource it*
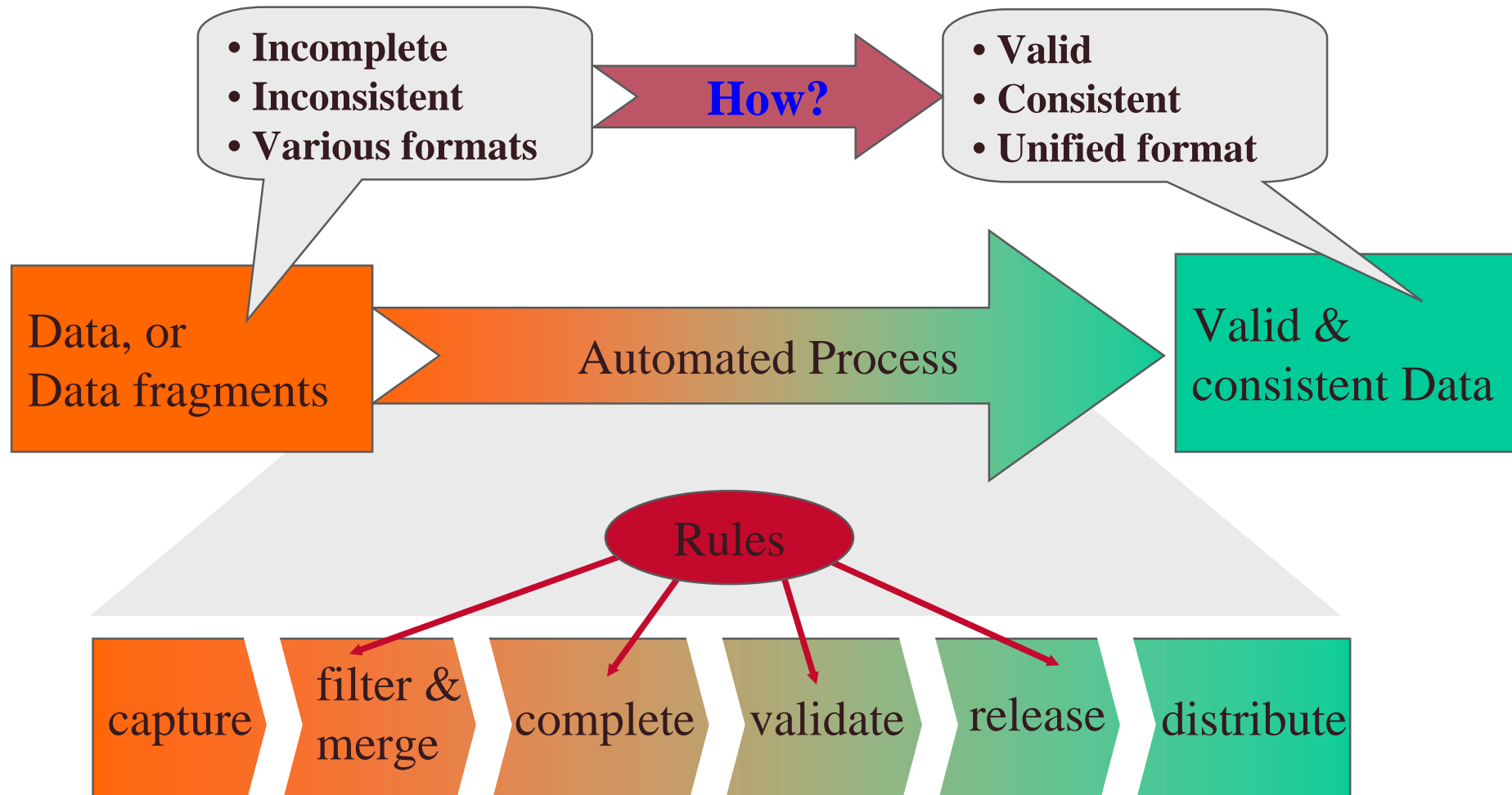- Innovative: *take DCM*   *- automate it*

Data maintenance is something nobody wants to care about. So we do!
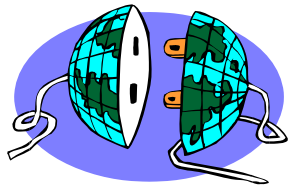
Maintenance Automation

Simple idea:

1. Define maintenance rules
2. Let computer do the job
3. Supervise the execution
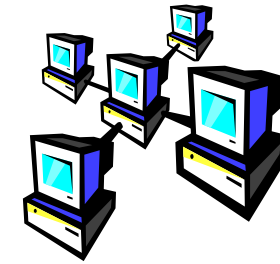4. Maintain exceptions only

Rule Based Data Maintenance

- **Incomplete**
- **Inconsistent**
- **Various formats**

How?

- **Valid**
- **Consistent**
- **Unified format**

Data, or
Data fragments

Automated Process

Valid &
consistent Data

Rules

capture | filter & merge | complete | validate | release | distribute

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Schema

Incomplete Data Fragments:
• File
• WebService
• Web-Extract
• E-Mail
• DB Table

Minimal Human Interaction

Valid Data:
• File
• WebService
• DB Table
• E-Mail

Information Capture	Presentation	Data Dissemination
	Automated, Rule-driven Process	
	Persistent Data Storage	
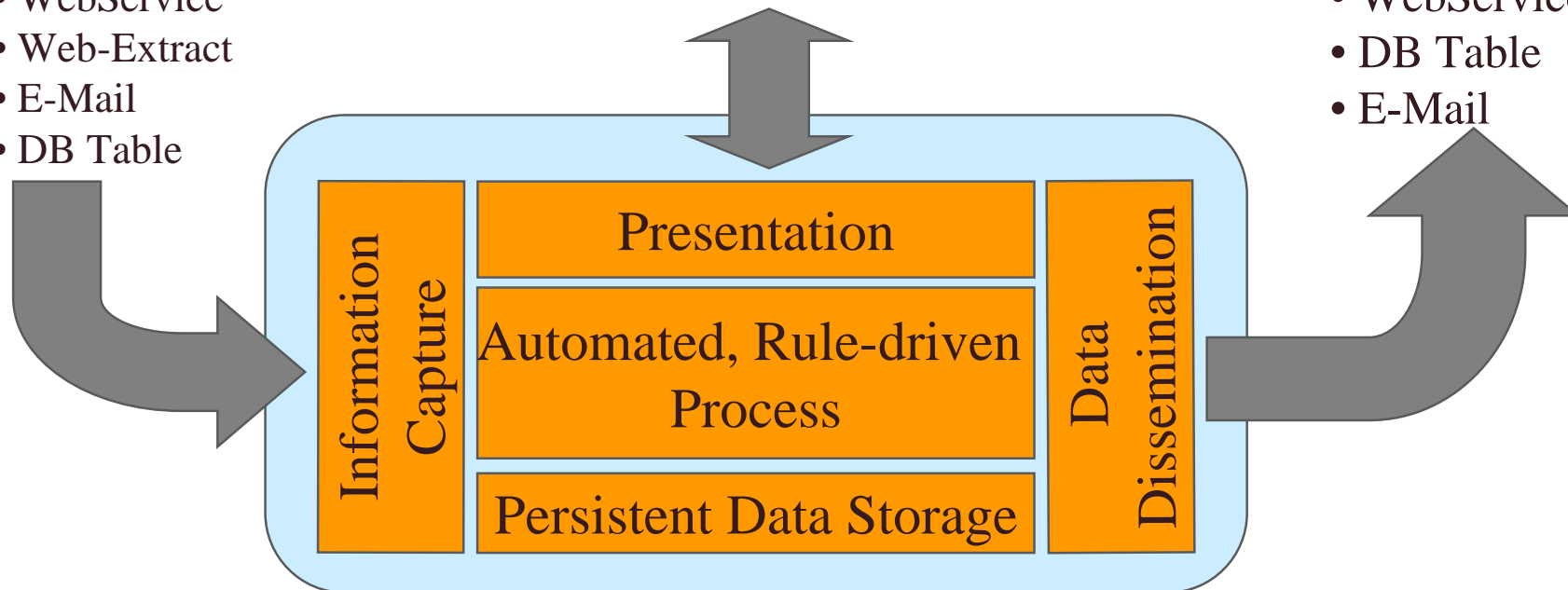
Features

- **Automated process,** minimal user interaction to:
  - handle exceptions
  - supervise the process

- **Rules are separated from software code**
  - process changes are implemented quickly
  - simple to edit, test, manager and deploy
  - business user is the functional owner

- Keeps **incomplete data** for later improvement
  - Active data quality improvement

- Integrates smoothly in any existing IT landscape

Commercial Background

- **Composite Product** (Caché, Java, Tomcat, VisualRules, Screen Scrapper, Log4Cache ...)

- Available on **any platform** running Caché

- **Product & services** offered by STABILIT as projects
  All products licenses are included in the project

- Contact: www.stabilit.ch

References

EUREX – SDPP (Static Data Pre-Processing) www.eurexrepo.com

Preparation of financial data from providers into a uniform data base suitable for the trading systems.

- **Functions**
  - Consolidation of data from Bloomberg and Swiss Federal Bank
  - Validation of all data according to business rules
  - Automatic dissemination into the trading platform
- **Benefits:**
  - Opening of new financial market (SecLend) (data increase by factor 10)
  - Cost saving
  - Degree of automation = 95%

Why Data Care Manager?

Benefits at a glance:

1. **Save effort & time**
   - ⇒ by eliminating manual data maintenance
   - ⇒ by handling only exceptions, not regular cases
   - ⇒ by automating maintenance process
2. **Increase data quality**
   - ⇒ By eliminating human factors
   - ⇒ By enforcing business rules
   - ⇒ By introducing a central data validation place
3. **Up-to-date data**
   - ⇒ By periodic data processing and checking at any date time

Do you need Data Care Manager?

Simple criteria:

- Is data maintenance an overwhelming effort?
- Do you have high data volume?
- Do you need up-to-date data?
- Is data quality critical to your business?

It's not about how many ideas you have,

but how many you make happen!