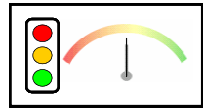


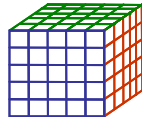


**Another thing from the past
Building Data Warehouses by hand**

DWH Projects



Performance Mgt



OLAP



Reports



Excel

What we want

Loading
Build History (of History)
Change Data Capture
Data Integrity
Create Data Warehouse Keys
Transformation
Integration
Extraction



Files



CRM



ERP



eBus

What we have

Project: ***Design Architecture***

- Inmon
- Kimball

Physical Design

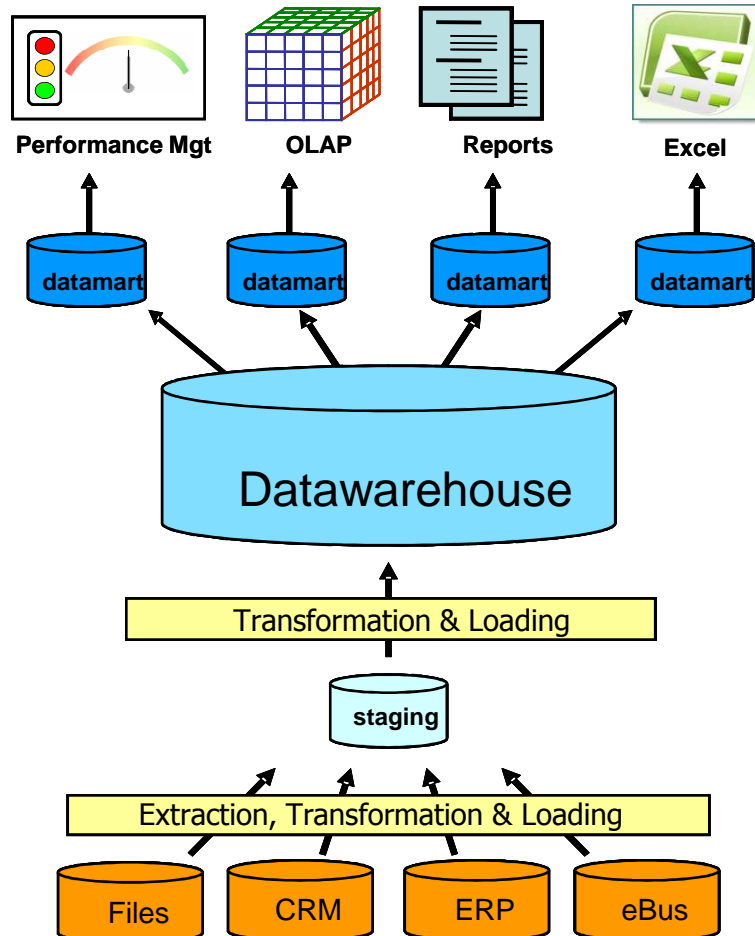
- Business Model
- Normalized
- Star Schemes
- Data Marts
- Data Vault

Data Processes

- *Logging*
- *Testing*

Adjustments

Traditional DWH



Building a BI-platform

- Complex ETL
- Complex Data Modeling
- Intensive Data Mart production

Maintaining a BI-platform

- With every change you have to redo most
 - Business changes
 - Additional requirements

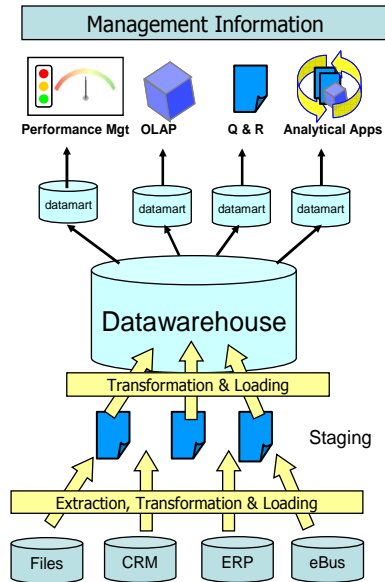
Result

- Inflexible environment
- High maintenance costs
- Information is not available on time
- Objectives not met
- Unsatisfied users
- Project dies



BIReady Product

Traditional DWH



BIReady DWH



Generic processes

Standards

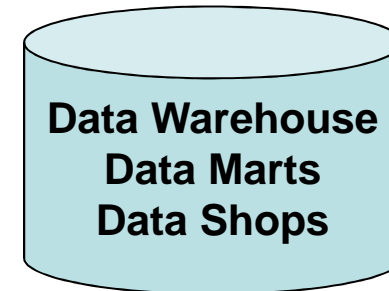
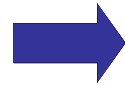
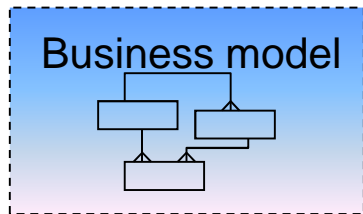
Best Practices

Model Driven

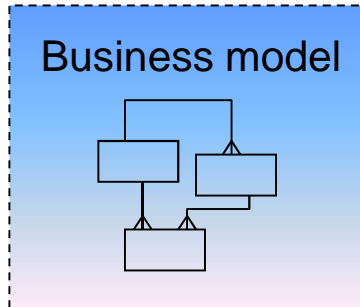
Generate



The DWH Generator



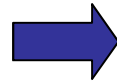
The Business Model



BIReady needs a Business Model (ERD)

If you have it ► Import it

Built with Modeling tool (I.e. Erwin, PowerDesigner)
IBM Industry Model, Teradata Logical Data Model

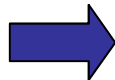


If you don't have it ► Build it within BIReady

By hand

By importing scripts

By reverse engineer (source, data warehouse/mart)



Add History requirements to the model

Attributes and relations

3 types of History



The Factory



Design: Staging area (ODS)

Normalized Enterprise Data Warehouse

Starschema Data Marts (Physical or Logical)

Create: DDL and execution

Load: Initial load (with existing history)

Updates (CDC automatically)

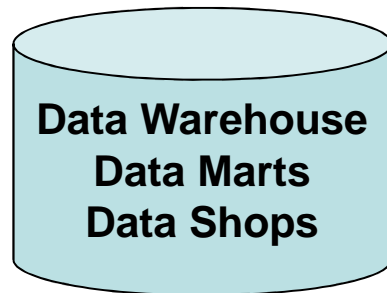
DWH keys, Integrity, Quality, History, Logging

How From sources by BIReady

Populate Staging Area yourself (ETL tool or code)

The result

Supported:



Oracle

Microsoft SQLserver and Access

IBM Infosphere

Netezza

Teradata

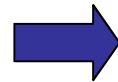
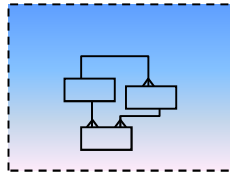
Excel (Data Shops)

Adjust

Changes

New increments

Change the model



Press the adjust button



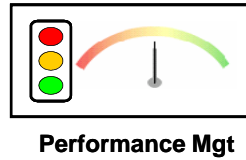
Update the data feeds

Data Warehouse
Data Marts

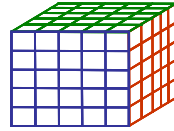


Model Driven Architecture

What we want



Performance Mgt



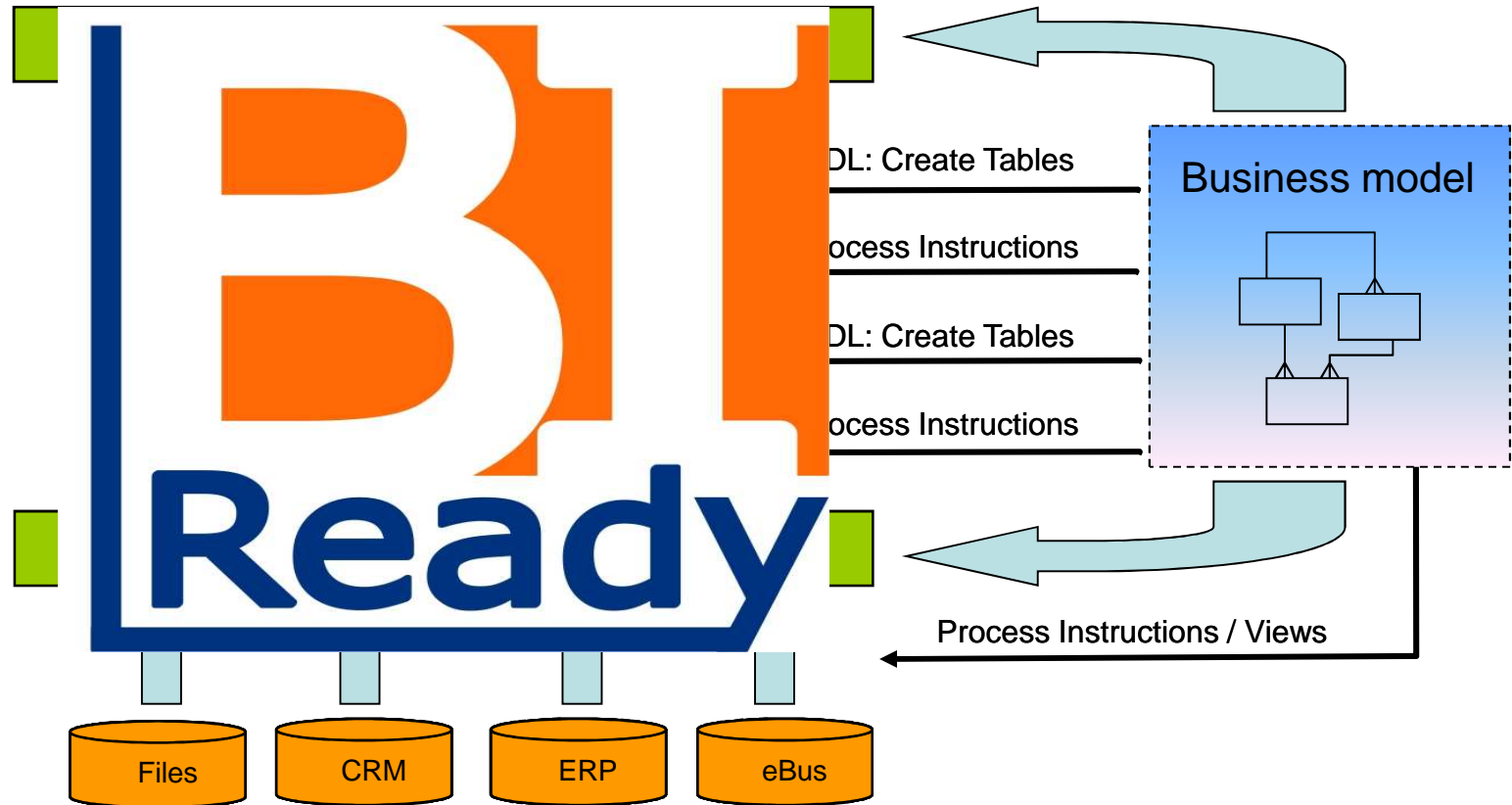
OLAP



Reports



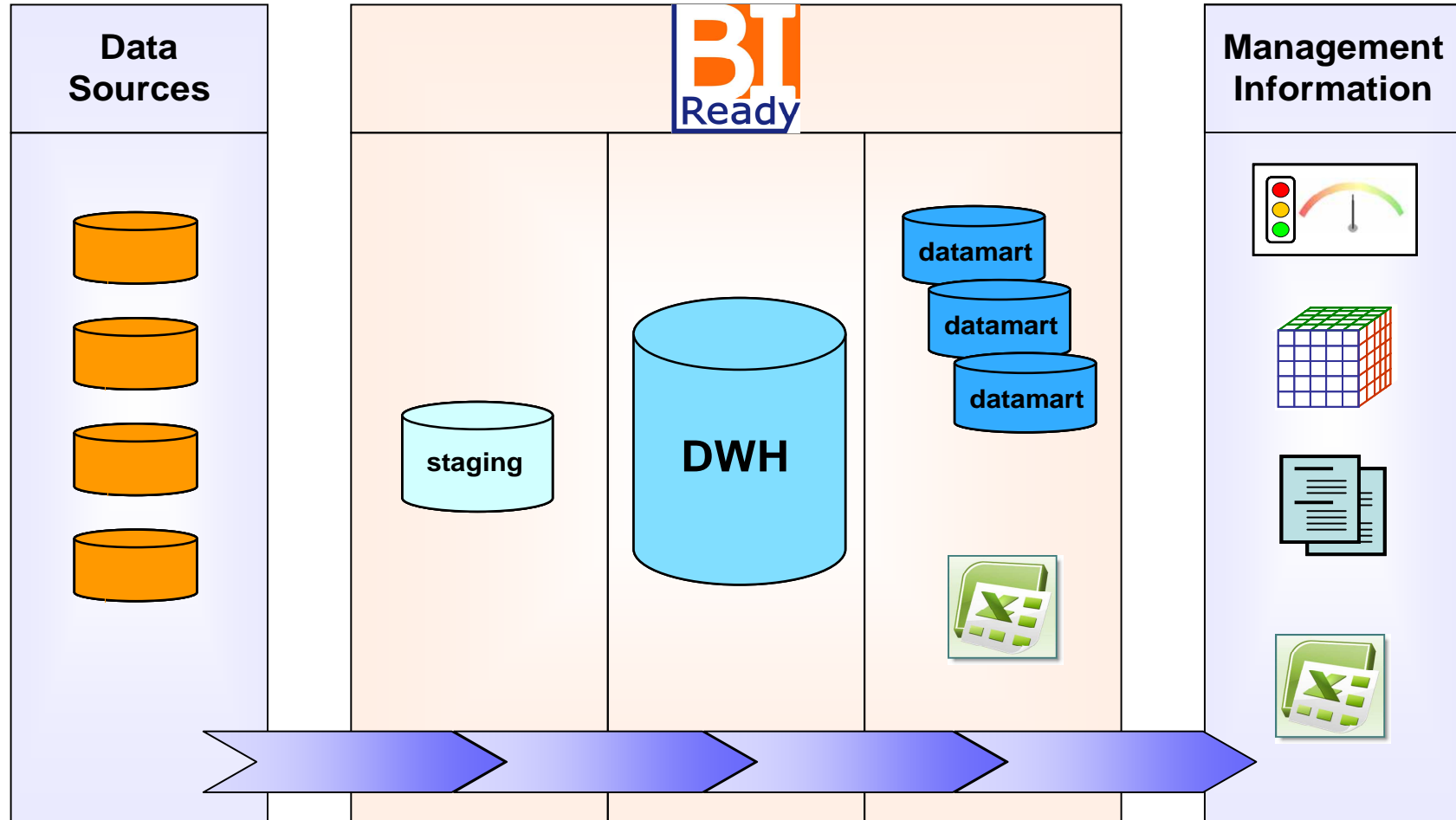
Excel



What we have



BI Ready Architecture



Savings

50%

**Costs and
time savings**

**EASY
FAST
COSTS
ADJUST
FLEXIBLE
SCALABLE
BETTER**

**to use
to implement
saving
changes
solution
for growth
result**

Example

1. Design and Implementation:

1. Define Business Model and History Requirements;
2. Define Data Warehouse
3. Create Data Warehouse;
4. Define Data Mart;
5. Create Data Mart;
6. Generate Process Instructions.

2. Production:

1. Initial Load;
2. Incremental Load.

3. 2nd Increment:

1. Expanding;
2. Changes;
3. Adjustment of Data Warehouse.

ERD of Northwind Example

1. Replace many-to-many
2. Not relevant (yet)
3. ®: “Root”-Entities
4. ¥ Will become “Fact”
5. Will become (roots for) dimensions

